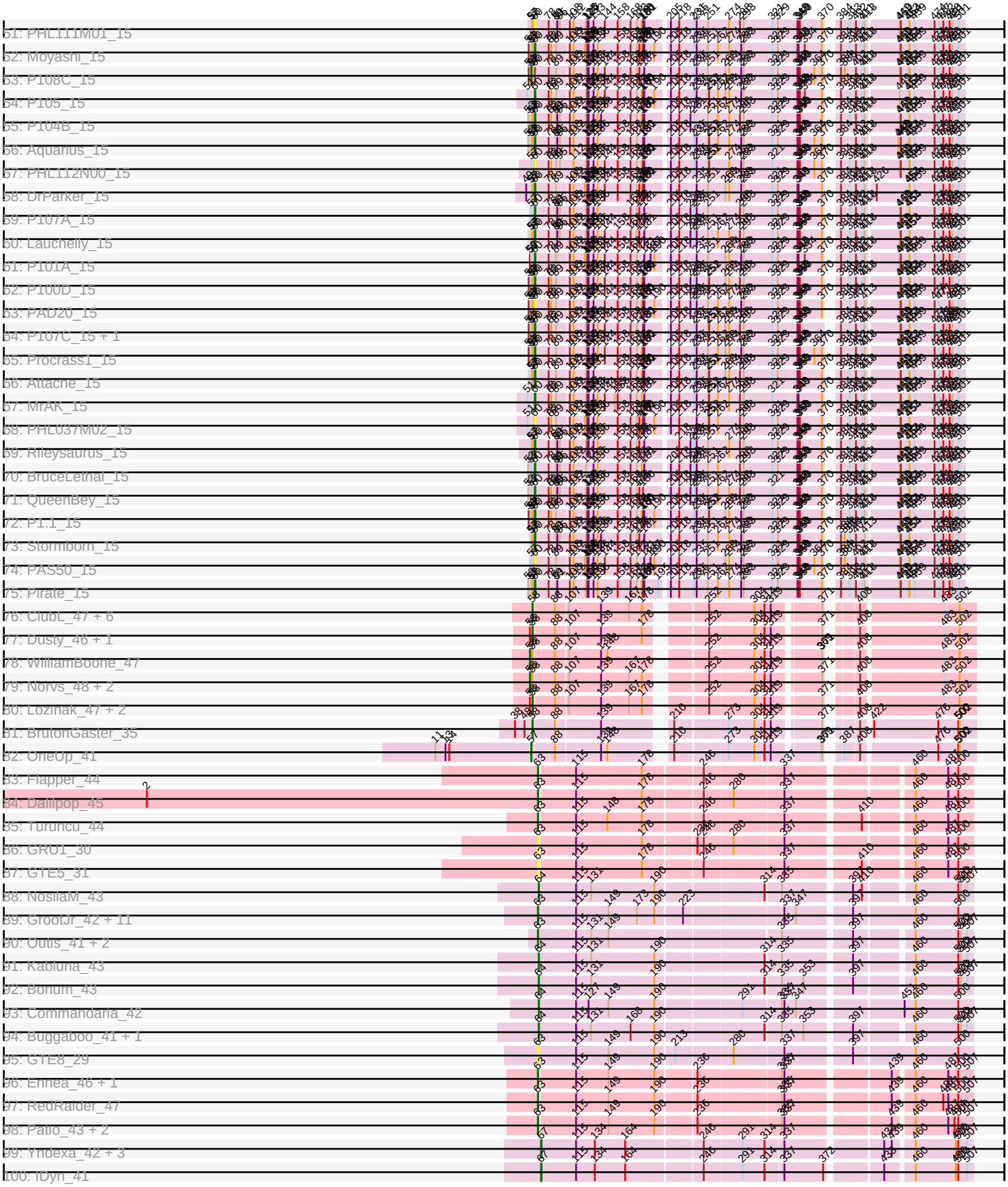
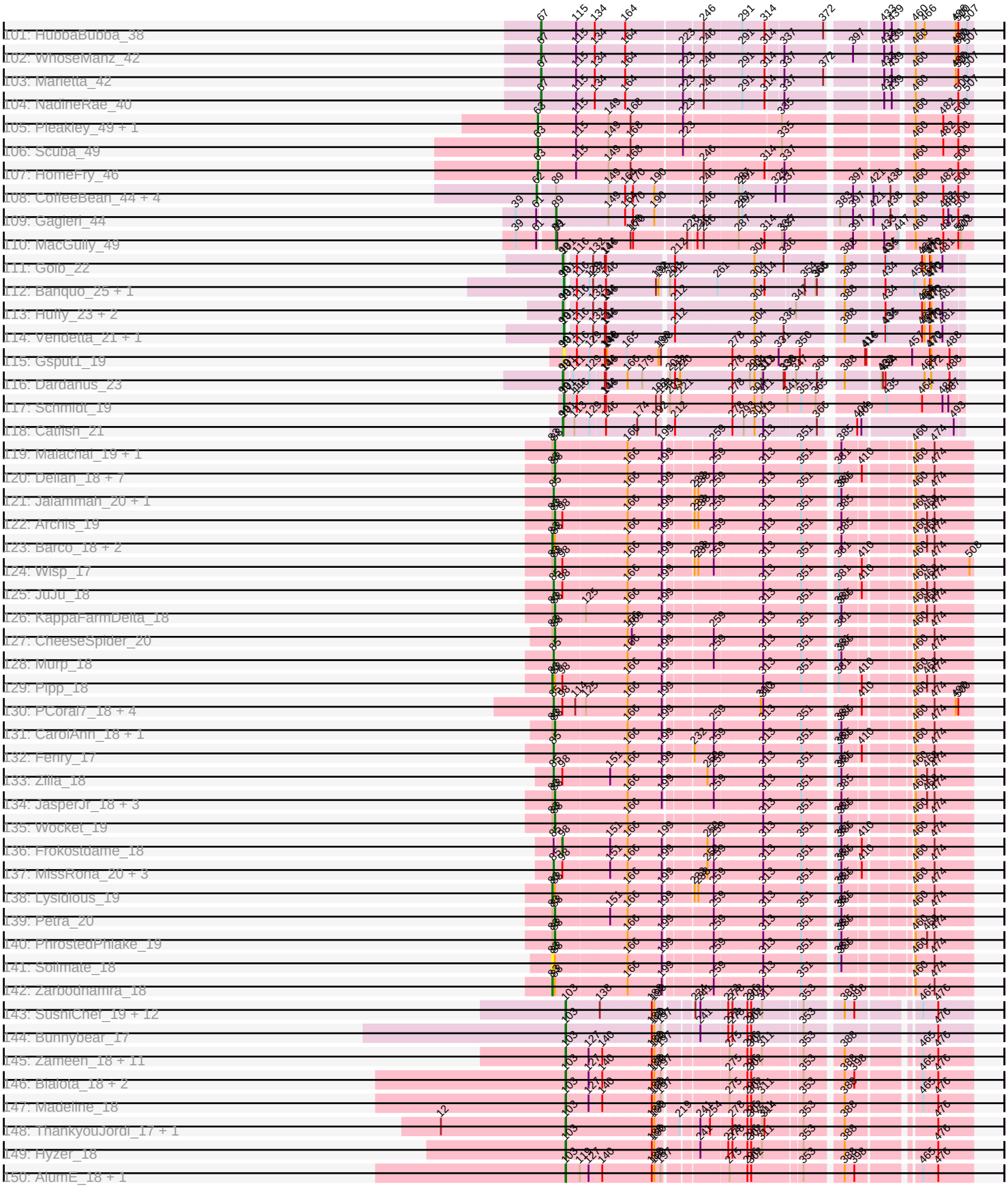
Pham 347036


1: JacoRen57_16
2: Maco6_18 + 1
3: FF47_20
4: Muddy_20
5: NoShow_17
6: LongHair_21 + 1
7: Farewell_15 + 1
8: MalagasyRose_23
9: Nergal_21
10: Weirdo19_18
11: JustASigh_17
12: Euratis_13
13: phiBT1_44
14: TG1_13
15: Vash_13
16: Liboooboo_13
17: Samora_13
18: Shawty_13
19: Heather_13
20: RemusLoopin_13
21: Sebastisaurus_13
22: Success_62 + 1
23: Spooks_61
24: Kubed_15
25: P9.1_15
26: Ouroboros_15
27: P14.4_15
28: PHL114L00_15
29: Enoki_15
30: Leviosa_15
31: Wizzo_15
32: MEAK_15
33: Solid_15
34: PHL113M01_15
35: P100A_15
36: P106A_15 + 4
37: Keiki_15
38: LilBandit_15
39: PHL067M10_15
40: P104A_15
41: Cota_15
42: PHL071N05_15
43: ATCC29399BT_15
44: SKKY_15
45: P100.1_15
46: PHL010M04_15
47: Enochoraptor_15
48: PA6_15
49: Supernova_15
50: PHL060L00_15

Pham 347036


51: PHL111M01_15
52: Moyashi_15
53: P108C_15
54: P105_15
55: P104B_15
56: Aquarius_15
57: PHL112N00_15
58: DrParker_15
59: P107A_15
60: Lauchelly_15
61: P101A_15
62: P100D_15
63: PAD20_15
64: P107C_15 + 1
65: Procrass1_15
66: Attache_15
67: MrAK_15
68: PHL037M02_15
69: Rileysaurus_15
70: BruceLethal_15
71: QueenBey_15
72: P1.1_15
73: Stormborn_15
74: PAS50_15
75: Pirate_15
76: ClubL_47 + 6
77: Dusty_46 + 1
78: WilliamBoone_47
79: Norvs_48 + 2
80: Lozinak_47 + 2
81: BrutonGaster_35
82: OneOp_41
83: Flapper_44
84: Dallipop_45
85: Turuncu_44
86: GRO1_30
87: GTE5_31
88: NosilaM_43
89: GrootJr_42 + 11
90: Outis_41 + 2
91: Kabluna_43
92: Bonum_43
93: Commandaria_42
94: Buggaboo_41 + 1
95: GTE8_29
96: Ennea_46 + 1
97: RedRaider_47
98: Patio_43 + 2
99: Yndexa_42 + 3
100: IDyn_41

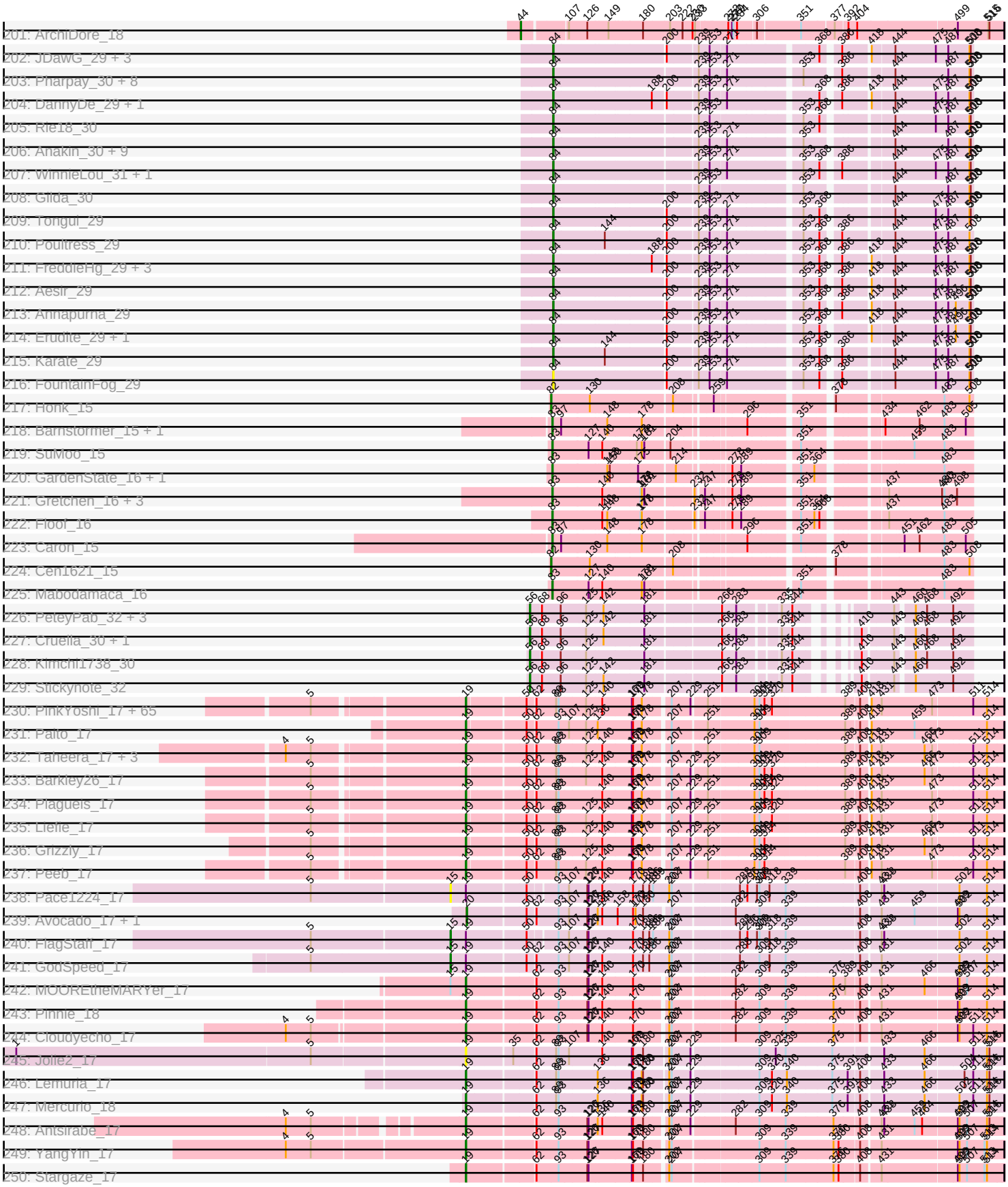
Pham 347036


I01: HubbaBubba_38
I02: WhoseManz_42
I03: Marietta_42
I04: NadineRae_40
I05: Pleakley_49 + 1
I06: Scuba_49
I07: HomeFry_46
I08: CoffeeBean_44 + 4
I09: Gaglen_44
I10: MacGully_49
I11: Golb_22
I12: Banquo_25 + 1
I13: Hully_23 + 2
I14: Vendetta_21 + 1
I15: Gsput1_19
I16: Dardanus_23
I17: Schmidt_19
I18: Catfish_21
I19: Malachai_19 + 1
I20: Delian_18 + 7
I21: Jalammah_20 + 1
I22: Archis_19
I23: Barco_18 + 2
I24: Wisp_17
I25: JuJu_18
I26: KappaFarmDelta_18
I27: CheeseSpider_20
I28: Murp_18
I29: Pipp_18
I30: PCoral7_18 + 4
I31: CarolAnn_18 + 1
I32: Fenry_17
I33: Zilla_18
I34: JasperJr_18 + 3
I35: Wocket_19
I36: Frokostdame_18
I37: MissRona_20 + 3
I38: Lysidious_19
I39: Petra_20
I40: PhrostedPhlake_19
I41: Solimate_18
I42: Zarboonamra_18
I43: SushiChef_19 + 12
I44: Bunnybear_17
I45: Zameen_18 + 11
I46: Bialota_18 + 2
I47: Madeline_18
I48: ThankyouJordi_17 + 1
I49: Hyzer_18
I50: AlumE_18 + 1

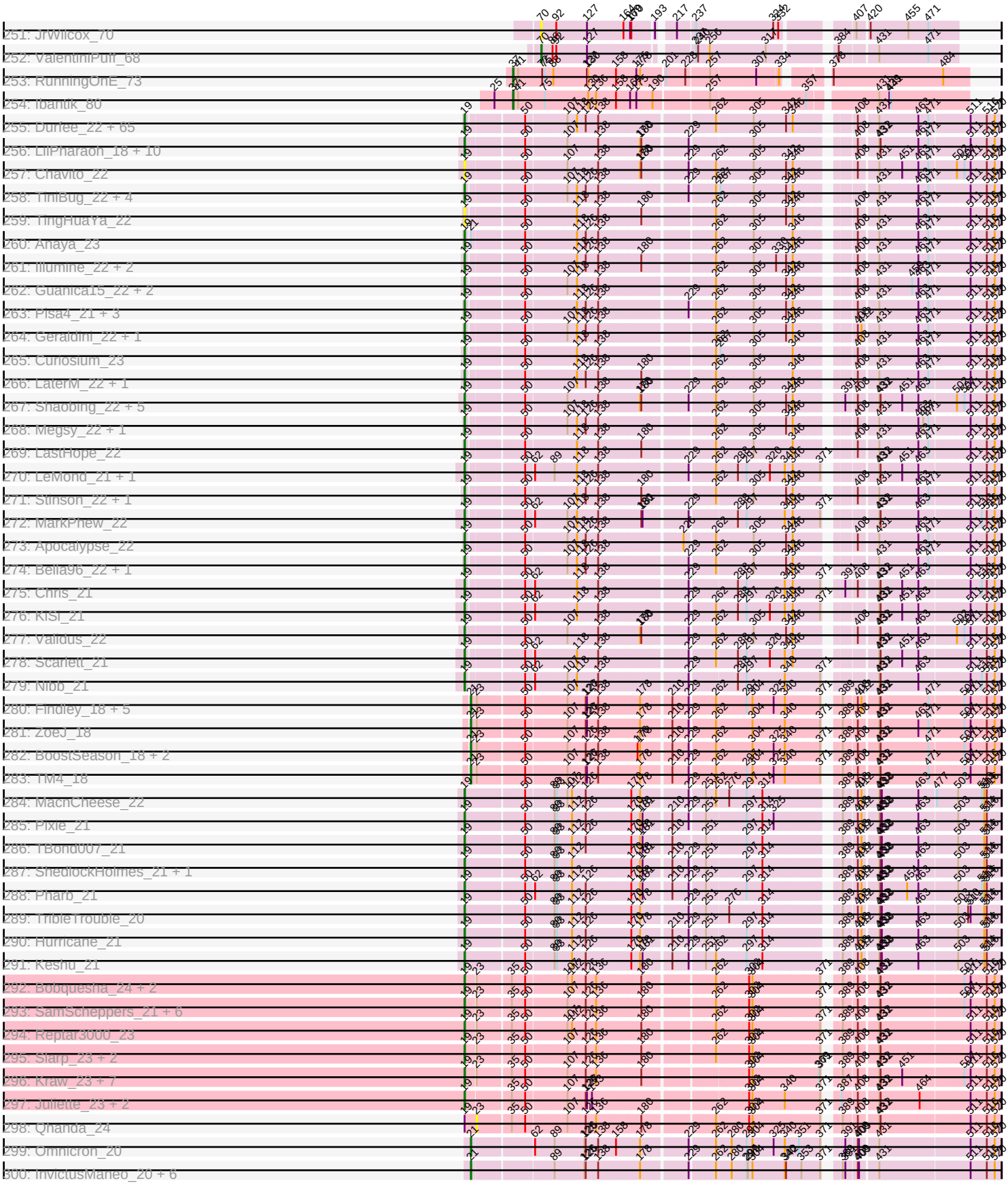
Pham 347036


151: Easley_19 + 1
152: Mcklovin_19
153: Annalisa_19 + 1
154: Howe_19 + 3
155: Domto_18
156: Beenie_19 + 2
157: Thimann_19
158: WinkNick_19 + 2
159: Sekhmet_19
160: Twinkie_19
161: PhriskyACE_18
162: Suerte_17
163: Tuti_19
164: Invectra_19
165: Powerball_18
166: DobbysSock_18
167: Sidious_18
168: Ghobes_15
169: Frizzle_15
170: Sapo_15
171: Archimedes_15
172: Cardigan_45
173: Yvonnetastic_44 + 1
174: Parada_21 + 6
175: DelRio_22 + 1
176: Ayotoya_21 + 3
177: SussRoboMann_21
178: Bock_21
179: Francois_21
180: GodonK_88
181: Phendrix_86
182: SpeedDemon_310
183: Towmatter_27 + 1
184: DatBoi_30
185: Bantam_29
186: Mollymur_30
187: Forza_100 + 3
188: Sixama_98
189: GMA2_29
190: Ewald_21
191: Manilisa_22 + 2
192: Vordon_21
193: Dogfish_20
194: Nycelrae_22
195: Phishy_21
196: Ruthy_18
197: DumpsterDude_18
198: Zodiarian_17
199: MakCheese_19
200: Sprinklemunch_17

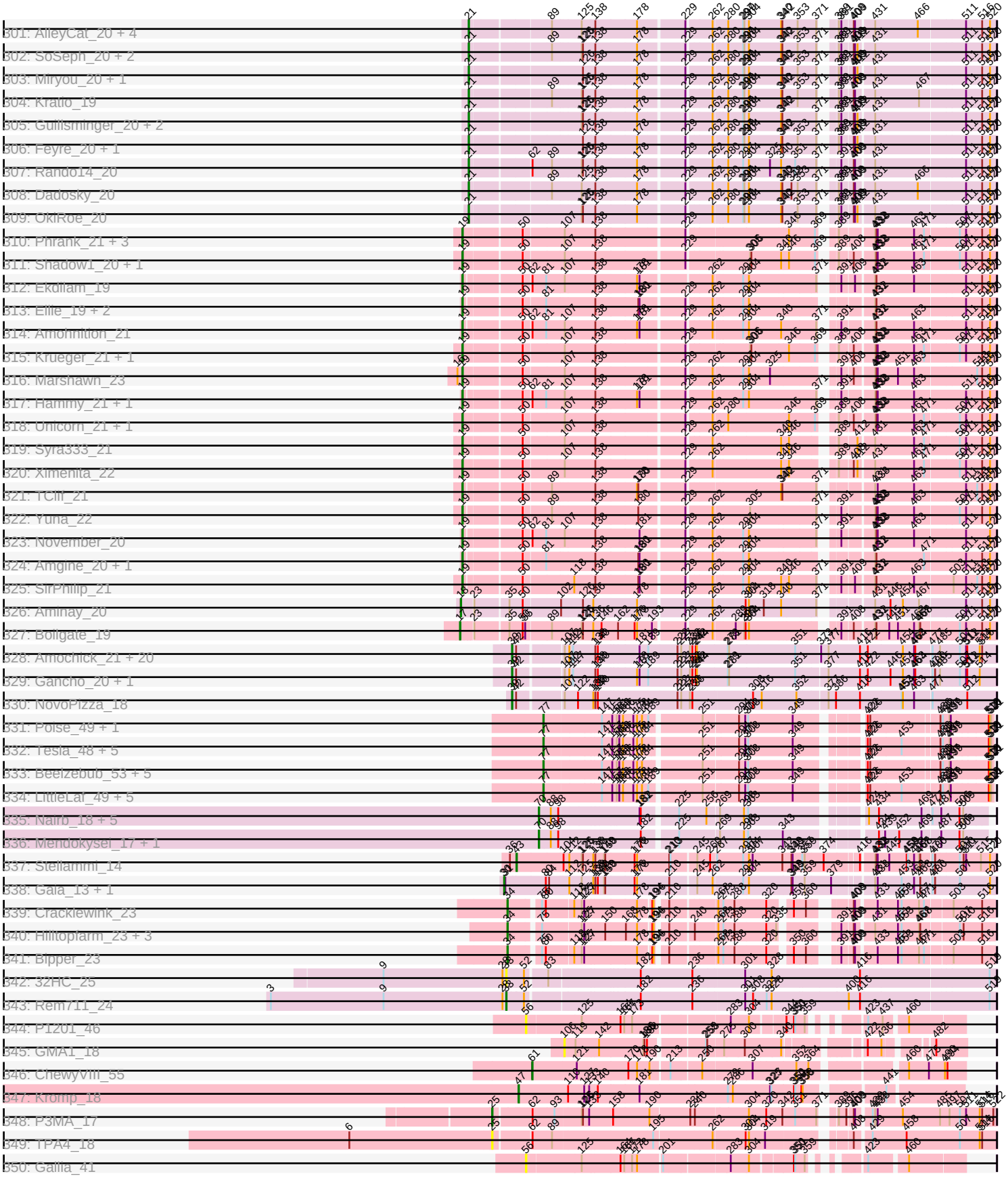
Pham 347036


201: ArchiDore_18
202: JDawG_29 + 3
203: Pharpay_30 + 8
204: DannyDe_29 + 1
205: Rie18_30
206: Anakin_30 + 9
207: WinnieLou_31 + 1
208: Gilda_30
209: Tongul_29
210: Poultress_29
211: FreddieHg_29 + 3
212: Aesir_29
213: Annapurna_29
214: Erudite_29 + 1
215: Karate_29
216: FountainFog_29
217: Honk_15
218: Barnstormer_15 + 1
219: SuMoo_15
220: GardenState_16 + 1
221: Gretchen_16 + 3
222: Floof_16
223: Caron_15
224: Cen1621_15
225: Mabodamaca_16
226: PeteyPab_32 + 3
227: Cruella_30 + 1
228: Kimchi1738_30
229: Stickynote_32
230: PinkYoshi_17 + 65
231: Paito_17
232: Taheera_17 + 3
233: Barkley26_17
234: Plagueis_17
235: Lielle_17
236: Grizzly_17
237: Peeb_17
238: Pace1224_17
239: Avocado_17 + 1
240: FlagStaff_17
241: GodSpeed_17
242: MOOREtheMARYer_17
243: Pinnie_18
244: Cloudyecho_17
245: Jolie2_17
246: Lemuria_17
247: Mercurio_18
248: Antsirabe_17
249: YangYin_17
250: Stargaze_17

Pham 347036


251: JrWilcox_70
252: ValentiniPuff_68
253: RunningOnE_73
254: Ibantik_80
255: Dunlee_22 + 65
256: LilPharaoh_18 + 10
257: Chavito_22
258: TiniBug_22 + 4
259: TingHuaYa_22
260: Anaya_23
261: Illumine_22 + 2
262: Guanica15_22 + 2
263: Pisa4_21 + 3
264: Geraldini_22 + 1
265: Curiosium_23
266: LaterM_22 + 1
267: Shaobing_22 + 5
268: Megsy_22 + 1
269: LastHope_22
270: LeMond_21 + 1
271: Stinson_22 + 1
272: MarkPhew_22
273: Apocalypse_22
274: Bella96_22 + 1
275: Chris_21
276: KISI_21
277: Validus_22
278: Scarlett_21
279: Nibb_21
280: Findley_18 + 5
281: ZoeJ_18
282: BoostSeason_18 + 2
283: TM4_18
284: MacnCheese_22
285: Pixie_21
286: TBond007_21
287: SherlockHolmes_21 + 1
288: Pharb_21
289: TribleTrouble_20
290: Hurricane_21
291: Keshu_21
292: BobqueSha_24 + 2
293: SamScheppers_21 + 6
294: Reptar3000_23
295: Slarp_23 + 2
296: Kraw_23 + 7
297: Juliette_23 + 2
298: Qhanda_24
299: Omnicron_20
300: InvictusMaheo_20 + 6

Pham 347036


301: AlleyCat_20 + 4
302: SoSeph_20 + 2
303: Miryou_20 + 1
304: Kratio_19
305: Gullsminger_20 + 2
306: Feyre_20 + 1
307: Rando14_20
308: Dadosky_20
309: OkiRoe_20
310: Phrank_21 + 3
311: Shadow1_20 + 1
312: Ekdiam_19
313: Ellie_19 + 2
314: Amonmtion_21
315: Krueger_21 + 1
316: Marshawn_23
317: Hammy_21 + 1
318: Unicorn_21 + 1
319: Syra333_21
320: Ximenita_22
321: TCM_21
322: Yuna_22
323: November_20
324: Amgine_20 + 1
325: SirPhilip_21
326: Aminay_20
327: Boilgate_19
328: Amochick_21 + 20
329: Gancho_20 + 1
330: NovoPizza_18
331: Poise_49 + 1
332: Tesla_48 + 5
333: Beelzebub_53 + 5
334: LittleLar_49 + 5
335: Nairb_18 + 5
336: Mendokyseki_17 + 1
337: Stellammi_14
338: Gaia_13 + 1
339: Cracklewink_23
340: Hilltopfarm_23 + 3
341: Bipper_23
342: 32HC_25
343: Rem711_24
344: P1201_46
345: GMA1_18
346: ChewyVM_55
347: Kromp_18
348: P3MA_17
349: TPA4_18
350: Galla_41

Pham 347036



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 347036 Report

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

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

Pham number 347036 has 779 members, 68 are drafts.

Phages represented in each track:
- Track 1 : JacoRen57_16
- Track 2 : Maco6_18, 8UZL_20
- Track 3 : FF47_20
- Track 4 : Muddy_20
- Track 5 : NoShow_17
- Track 6 : LongHai_21, Salvus_21
- Track 7 : Farewell_15, Sparky_15
- Track 8 : MalagasyRose_23
- Track 9 : Nergal_21
- Track 10 : Weirdo19_18
- Track 11 : JustASigh_17
- Track 12 : Euratis_13
- Track 13 : phiBT1_44
- Track 14 : TG1_13
- Track 15 : Vash_13
- Track 16 : Lilbooboo_13
- Track 17 : Samora_13
- Track 18 : Shawty_13
- Track 19 : Heather_13
- Track 20 : RemusLoopin_13
- Track 21 : Sebastisaurus_13
- Track 22 : Success_62, Bimmel_60
- Track 23 : Spooks_61
- Track 24 : Kubed_15
- Track 25 : P9.1_15
- Track 26 : Ouroboros_15
- Track 27 : P14.4_15
- Track 28 : PHL114L00_15
- Track 29 : Enoki_15
- Track 30 : Leviosa_15
- Track 31 : Wizzo_15
- Track 32 : MEAK_15
- Track 33 : Solid_15

• Track 34 : PHL113M01_15
• Track 35 : P100A_15
• Track 36 : P106A_15, P106I_15, P106C_15, P106M_15, P106L_15
• Track 37 : Keiki_15
• Track 38 : LilBandit_15
• Track 39 : PHL067M10_15
• Track 40 : P104A_15
• Track 41 : Cota_15
• Track 42 : PHL071N05_15
• Track 43 : ATCC29399BT_15
• Track 44 : SKKY_15
• Track 45 : P100.1_15
• Track 46 : PHL010M04_15
• Track 47 : Enochoraptor_15
• Track 48 : PA6_15
• Track 49 : Supernova_15
• Track 50 : PHL060L00_15
• Track 51 : PHL111M01_15
• Track 52 : Moyashi_15
• Track 53 : P108C_15
• Track 54 : P105_15
• Track 55 : P104B_15
• Track 56 : Aquarius_15
• Track 57 : PHL112N00_15
• Track 58 : DrParker_15
• Track 59 : P107A_15
• Track 60 : Lauchelly_15
• Track 61 : P101A_15
• Track 62 : P100D_15
• Track 63 : PAD20_15
• Track 64 : P107C_15, ATCC29399BC_15
• Track 65 : Procrass1_15
• Track 66 : Attacne_15
• Track 67 : MrAK_15
• Track 68 : PHL037M02_15
• Track 69 : Rileysaurus_15
• Track 70 : BruceLethal_15
• Track 71 : QueenBey_15
• Track 72 : P1.1_15
• Track 73 : Stormborn_15
• Track 74 : PAS50_15
• Track 75 : Pirate_15
• Track 76 : ClubL_47, Aphelion_47, Bachita_49, Toniann_47, Geeche_46, PhinkBoden_47, Cucurbita_49
• Track 77 : Dusty_46, Abscondus_46
• Track 78 : WilliamBoone_47
• Track 79 : Norvs_48, Smoothie_48, Culver_47
• Track 80 : Lozinak_47, Miskis_45, Engineer_48
• Track 81 : BrutonGaster_35
• Track 82 : OneUp_41
• Track 83 : Flapper_44
• Track 84 : Dalilpop_45
• Track 85 : Turuncu_44

• Track 86 : GRU1_30
• Track 87 : GTE5_31
• Track 88 : NosilaM_43
• Track 89 : GrootJr_42, Wheezy_40, Emianna_40, Jifall16_39, Kurt_40, NovumRegina_40, Tracker_40, Arti_40, NatB6_40, KidneyBean_40, Foxboro_41, Phomeo_39
• Track 90 : Outis_41, MerCougar_41, StarStruck_41
• Track 91 : Kabluna_43
• Track 92 : Bonum_43
• Track 93 : Commandaria_42
• Track 94 : Buggaboo_41, SuperSulley_41
• Track 95 : GTE8_29
• Track 96 : Ennea_46, Lollipop1437_45
• Track 97 : RedRaider_47
• Track 98 : Patio_43, Skysand_42, Float294_42
• Track 99 : Yndexa_42, BiPauneto_43, Sukkupi_42, Pemberton_43
• Track 100 : IDyn_41
• Track 101 : HubbaBubba_38
• Track 102 : WhoseManz_42
• Track 103 : Marietta_42
• Track 104 : NadineRae_40
• Track 105 : Pleakley_49, Fury_49
• Track 106 : Scuba_49
• Track 107 : HomeFry_46
• Track 108 : CoffeeBean_44, Maselop_44, Polyyuki_44, Apiary_44, Braxoaddie_44
• Track 109 : Gagieri_44
• Track 110 : MacGully_49
• Track 111 : Goib_22
• Track 112 : Banquo_25, TinaLin_24
• Track 113 : Huffy_23, DinoDaryn_23, TZGordon_23
• Track 114 : Vendetta_21, Splinter_21
• Track 115 : Gsput1_19
• Track 116 : Dardanus_23
• Track 117 : Schmidt_19
• Track 118 : Catfish_21
• Track 119 : Malachai_19, Begonia_19
• Track 120 : Delian_18, Obliviate_17, CaptainKirk2_18, UmaThurman_18, Mellie_17, Hitter_18, ZiggyZoo_17, Walrus_19
• Track 121 : Jalammah_20, Samba_18
• Track 122 : Archis_19
• Track 123 : Barco_18, Guacamole_18, Melba_18
• Track 124 : Wisp_17
• Track 125 : JuJu_18
• Track 126 : KappaFarmDelta_18
• Track 127 : CheeseSpider_20
• Track 128 : Murp_18
• Track 129 : Pipp_18
• Track 130 : PCoral7_18, William_18, PrincePatrick_18, Fairfaxidum_18, Toast_18
• Track 131 : CarolAnn_18, Blino_18
• Track 132 : Fenry_17
• Track 133 : Zilla_18
• Track 134 : JasperJr_18, MintFen_18, BlingBling_18, Utz_18
• Track 135 : Wocket_19

• Track 136 : Frokostdame_18
• Track 137 : MissRona_20, Gambino_20, Azula_20, Blueberry_20
• Track 138 : Lysidious_19
• Track 139 : Petra_20
• Track 140 : PhrostedPhlake_19
• Track 141 : Soilmate_18
• Track 142 : Zarbodnamra_18
• Track 143 : SushiChef_19, Madavieve_18, Eviarto_18, BatStarr_18, Ohgeesy_18, Yeezy_19, Nymphadora_18, PantheRoc_18, BaxterFox_17, Bosnia_18, Herod_18, Hugley_18, TimTam_18
• Track 144 : Bunnybear_17
• Track 145 : Zameen_18, Suscepit_18, Antonio_18, Dillpickles_19, Polly_18, Tayonia_18, Kita_18, Trumpet_18, Eudoria_18, Manasvini_18, Maridalia_17, Neobush_18
• Track 146 : Bialota_18, Agueybana_18, Zirinka_18
• Track 147 : Madeline_18
• Track 148 : ThankyouJordi_17, WelcomeAyanna_17
• Track 149 : Hyzer_18
• Track 150 : AlumE_18, BoyNamedSue_18
• Track 151 : Easley_19, Oregano_19
• Track 152 : Mcklovin_19
• Track 153 : Annalisa_19, Clark_19
• Track 154 : Howe_19, Adora_19, Shlim410_19, Hortense_19
• Track 155 : Dorito_18
• Track 156 : Beenie_19, Rizz_22, MichaelScott_19
• Track 157 : Thimann_19
• Track 158 : WinkNick_19, Samman98_19, Dolores_19
• Track 159 : Sekhmet_19
• Track 160 : Twinkle_19
• Track 161 : PhriskyACE_18
• Track 162 : Suerte_17
• Track 163 : Tuti_19
• Track 164 : Invectra_19
• Track 165 : Powerball_18
• Track 166 : DobbysSock_18
• Track 167 : Sidious_18
• Track 168 : Ghobes_15
• Track 169 : Frizzle_15
• Track 170 : Sapo_15
• Track 171 : Archimedes_15
• Track 172 : Cardigan_45
• Track 173 : Yvonnetastic_44, JonJames_46
• Track 174 : Parada_21, Mulch_21, Brylie_21, NancyRae_21, WheatThin_21, BetterKatz_21, Nadeem_21
• Track 175 : DelRio_22, Pimento_22
• Track 176 : Ayotoya_21, Hamood_21, Chop_21, GrandSlam_21
• Track 177 : SussRoloMann_21
• Track 178 : Bock_21
• Track 179 : Francois_21
• Track 180 : GodonK_88
• Track 181 : Phendrix_86
• Track 182 : SpeedDemon_310
• Track 183 : Towmatter_27, Daredevil_28

• Track 184 : DatBoi_30
• Track 185 : Bantam_29
• Track 186 : Mollymur_30
• Track 187 : Forza_100, Mareelih_98, BlueNGold_99, Boopy_100
• Track 188 : Sixama_98
• Track 189 : GMA2_29
• Track 190 : Ewald_21
• Track 191 : Manilisa_22, BabyMoney_20, Meyran_20
• Track 192 : Vordorf_21
• Track 193 : Dogfish_20
• Track 194 : Nyceirae_22
• Track 195 : Phishy_21
• Track 196 : Ruthy_18
• Track 197 : DumpsterDude_18
• Track 198 : Zodiariah_17
• Track 199 : MakCheese_19
• Track 200 : Sprinklemunch_17
• Track 201 : ArchiDore_18
• Track 202 : JDawG_29, Crestdrop_29, JingleBells_29, MortySmith_28
• Track 203 : Pharpay_30, CoolCookie_30, Rachella_30, Artiphact_30, AnnaSerena_30, Tedro_30, Tiggy93_30, PhunaPhoke_30, Haunter_30
• Track 204 : DannyDe_29, SilentWarrior_29
• Track 205 : Rie18_30
• Track 206 : Anakin_30, Krampus_30, Kate_30, OhDear_30, OverHedge_30, Potty_30, NarutoRun_30, SafetyGuy_30, Cybele_30, Neptune_30
• Track 207 : WinnieLou_31, Hager_31
• Track 208 : Gilda_30
• Track 209 : Tongui_29
• Track 210 : Poultress_29
• Track 211 : FreddieHg_29, Snakehole_30, Chivey_29, Hiddenleaf_29
• Track 212 : Aesir_29
• Track 213 : Annapurna_29
• Track 214 : Erudite_29, Dauntless_29
• Track 215 : Karate_29
• Track 216 : FountainFog_29
• Track 217 : Honk_15
• Track 218 : Barnstormer_15, UtzChips_15
• Track 219 : SuMoo_15
• Track 220 : GardenState_16, IAmGroot_16
• Track 221 : Gretchen_16, SuperHands_16, Forester_16, Percival_16
• Track 222 : Floof_16
• Track 223 : Caron_15
• Track 224 : Cen1621_15
• Track 225 : Mabodamaca_16
• Track 226 : PeteyPab_32, Zion_33, Darwin_33, PotatoChip_33
• Track 227 : Cruella_30, C3PO_30
• Track 228 : Kimchi1738_30
• Track 229 : Stickynote_32
• Track 230 : PinkYoshi_17, ForeverHowLong_17, DingDing_17, Jolene_17, Rattrick_17, Gideon_17, CassieYates_17, Angel_17, OctaviousRex_17, ECartman_17, Periodt_17, Phloodle_17, Avrafan_17, Sizemore_17, Schiebel_17, Cherrybomb426_17, Hope_17, Hotshotbaby7_17, DNAIII_0017, Marmie_17, Cedasite_17, Renaissance_17, AzulaCat_17, BPs_17, Jeilious_17, ZoMa_17,

LouisV14_17, BQuat_17, Coleslaw_17, DMoney_17, Neoh_17, Aroostook_17, Annihilator_17, Phreak_17, Kareem_17, Chance64_17, BruceB_17, Primanti_17, Crespo_17, Darionha_17, Frosty24_17, Gomashi_17, CLED96_17, Ruriko_17, AizenPogi_17, Remy19_17, TomBrady_17, Halo_17, Kasen3_17, Richarlison_17, Maliketh_17, Mowgli_17, Sweets_17, Olga_17, Zombie_17, MZKinsey_17, Camri_17, JorRay_17, ShaboiShabazz_17, Jane_17, Wendigo_17, Jonghyun_17, Phish_17, Terralys_17, TinaBug_17, GoldenAsh_17
• Track 231 : Paito_17
• Track 232 : Taheera_17, Rabbs_17, Terror_17, Sneeze_17
• Track 233 : Barkley26_17
• Track 234 : Plagueis_17
• Track 235 : Liefie_17
• Track 236 : Grizzly_17
• Track 237 : Peeb_17
• Track 238 : Pace1224_17
• Track 239 : Avocado_17, Cambiare_18
• Track 240 : FlagStaff_17
• Track 241 : GodSpeed_17
• Track 242 : MOOREtheMARYer_17
• Track 243 : Pinnie_18
• Track 244 : Cloudyecho_17
• Track 245 : Jolie2_17
• Track 246 : Lemuria_17
• Track 247 : Mercurio_18
• Track 248 : Antsirabe_17
• Track 249 : YangYin_17
• Track 250 : Stargaze_17
• Track 251 : JrWilcox_70
• Track 252 : ValentiniPuff_68
• Track 253 : RunningOnE_73
• Track 254 : Ibantik_80
• Track 255 : Durfee_22, BaghaKamala_22, Joy99_22, Adonis_22, Zavala_22, HedwigODU_22, Dalmuri_22, Inky_22, TreyKay_22, Capricorn_22, BGlluviae_22, Jeckyll_22, Lokum_22, CallaLilly_22, Veliki_22, Sulley_22, Ramen_22, Rapunzel97_22, Pokerus_21, Boiiii_22, YoureAdopted_21, Hyperbowlee_22, Belladonna_22, CheetoDust_22, Peel_22, Angelica_22, Jayhawk_22, Mynx_22, Asayake_22, Ganymede_23, AlishaPH_22, MacKat_22, Twitch_22, Emerson_22, CaseJules_22, BarrelRoll_22, Deby_22, Llorens_22, Piatt_22, JAWS_22, Prithvi_22, BEEST_22, Beezoo_22, Jarvi_22, TruffulaTree_22, Spock_22, QuincyRose_21, Slimphazie_22, Tiri_22, Adephagia_22, Tachez_22, Topper_22, CREW_22, ActinUp_22, LindNT_22, Padpat_22, Blizzard_22, Atiba_22, Homura_22, Clipper_22, Padfoot_22, Rosmarinus_22, CrimD_22, ShiaSurprise_22, Zabiza_22, Lunahalos_22
• Track 256 : LilPharaoh_18, Nutello_18, Teejan_18, SgtBeansprout_18, Trice_18, Enkosi_18, Amelie_18, Biglebops_18, Mdavu_18, Torres_18, Nikao_18
• Track 257 : Chavito_22
• Track 258 : TiniBug_22, Anma_22, Urkel_22, DrHayes_22, SamuelLPlaqson_22
• Track 259 : TingHuaYa_22
• Track 260 : Anaya_23
• Track 261 : Illumine_22, Devera_22, Dole_22
• Track 262 : Guanica15_22, Yunkel11_22, Efra2_22
• Track 263 : Pisa4_21, Kheparia_24, Bern_22, Pisa1_21
• Track 264 : Geraldini_22, MeaningOfLife_22
• Track 265 : Curiosium_23

• Track 266 : LaterM_22, Murucutumbu_22
• Track 267 : Shaobing_22, Dartin_22, McMater_22, Peanam_22, Richo_22, Niklas_22
• Track 268 : Megsy_22, TaiwanKao_23
• Track 269 : LastHope_22
• Track 270 : LeMond_21, Oscar_21
• Track 271 : Stinson_22, Ageofdapage_22
• Track 272 : MarkPhew_22
• Track 273 : Apocalypse_22
• Track 274 : Bella96_22, DartGoblin_22
• Track 275 : Chris_21
• Track 276 : KiSi_21
• Track 277 : Validus_22
• Track 278 : Scarlett_21
• Track 279 : Nibb_21
• Track 280 : Findley_18, Strobilo_18, DismalStressor_18, DismalFunk_18, Milly_18, Marcoliusprime_18
• Track 281 : ZoeJ_18
• Track 282 : BoostSeason_18, Doughnut_18, Mufasa_18
• Track 283 : TM4_18
• Track 284 : MacnCheese_22
• Track 285 : Pixie_21
• Track 286 : TBond007_21
• Track 287 : ShedlockHolmes_21, Lea83_21
• Track 288 : Pharb_21
• Track 289 : TribleTrouble_20
• Track 290 : Hurricane_21
• Track 291 : Keshu_21
• Track 292 : Bobquesha_24, MissDaisy_23, Patt_23
• Track 293 : SamScheppers_21, DanSyl44_24, OmniCritical_23, Mitti_23, Lebo14_23, Nolwazi_24, Taquito_21
• Track 294 : Reptar3000_23
• Track 295 : Slarp_23, Cheetobro_23, Chancellor_23
• Track 296 : Kraw_23, Fionnbharth_23, JF1_23, YasnayaPolyana_23, Wintermute_23, Malthus_24, Y10_23, Y2_23
• Track 297 : Juliette_23, Ruthiejr_22, Eponine_23
• Track 298 : Qhanda_24
• Track 299 : Omnicron_20
• Track 300 : InvictusManeo_20, ViviJ_19, Agent47_20, LilDirt_19, Collard_20, DoubleChamp_20, BananenDer11_20
• Track 301 : AlleyCat_20, Edugator_19, Neighly_20, Psycho_20, Larva_20
• Track 302 : SoSeph_20, Heftyboy_20, Gengar_20
• Track 303 : Miryou_20, Thyatira_20
• Track 304 : Kratio_19
• Track 305 : Guillsminger_20, Leston_20, Paola_20
• Track 306 : Feyre_20, Waterfoul_20
• Track 307 : Rando14_20
• Track 308 : Dadosky_20
• Track 309 : OkiRoe_20
• Track 310 : Phrank_21, Bryler_21, Cain_21, Tierra_21
• Track 311 : Shadow1_20, Sunflower1121_20
• Track 312 : Ekdilam_19
• Track 313 : Ellie_19, Applecrisp_20, Fefferhead_21

• Track 314 : Amohnition_21
• Track 315 : Krueger_21, Tigress9_21
• Track 316 : Marshawn_23
• Track 317 : Hammy_21, DarthP_21
• Track 318 : Unicorn_21, PhelpsODU_21
• Track 319 : Syra333_21
• Track 320 : Ximenita_22
• Track 321 : TClif_21
• Track 322 : Yuna_22
• Track 323 : November_20
• Track 324 : Amgine_20, Lavahound_20
• Track 325 : SirPhilip_21
• Track 326 : Aminay_20
• Track 327 : Boilgate_19
• Track 328 : Amochick_21, Amymech_21, Giles_21, Webster2_21, LilHazelnut_21, Forge_21, Kinbote_21, BloominB_21, Evanesce_21, HH92_21, Wishmaker_21, Hail_21, Ein37_21, Daegal_22, Hadrien_21, Dewey_21, Luke_21, Ubuntu_21, DeepSoil15_21, OBUpride_21, Luna22_21
• Track 329 : Gancho_20, Gravaillia_21
• Track 330 : NovoPizza_18
• Track 331 : Poise_49, Blackbeetle_49
• Track 332 : Tesla_48, Caprice_48, RedRaider77_49, Gattaca_48, MosMoris_47, Raela_49
• Track 333 : Beelzebub_53, GoongGoong_48, Marvin_47, Pringar_49, VasuNzinga_49, JoieB_50
• Track 334 : LittleLaf_49, FeliMaine_51, Huphlepuff_51, Lilbit_48, Corazon_47, Clarkson_50
• Track 335 : Nairb_18, ZenTime222_18, Ibrahim_18, Whitty_18, Bernal13_18, RonRayGun_18
• Track 336 : Mendokysei_17, Nette_18
• Track 337 : Stellammi_14
• Track 338 : Gaia_13, Nebkiss_14
• Track 339 : Cracklewink_23
• Track 340 : Hilltopfarm_23, AuntGwenStacy_23, Faiyaz_23, Typha_23
• Track 341 : Bipper_23
• Track 342 : 32HC_25
• Track 343 : Rem711_24
• Track 344 : P1201_46
• Track 345 : GMA1_18
• Track 346 : ChewyVIII_55
• Track 347 : Kromp_18
• Track 348 : P3MA_17
• Track 349 : TPA4_18
• Track 350 : Gallia_41
• Track 351 : Sleepyhead_17
• Track 352 : Finkle_18
• Track 353 : Ponzi_55
• Track 354 : TinyDot_18

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

The start number called the most often in the published annotations is 19, it was called in 250 of the 711 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ActinUp_22, Adephagia_22, Adonis_22, Ageofdapage_22, AizenPogi_17, AlishaPH_22, Amelie_18, Amgine_20, Amohnition_21, Anaya_23, Angel_17, Angelica_22, Anma_22, Annihilator_17, Antsirabe_17, Apocalypse_22, Applecrisp_20, Aroostook_17, Asayake_22, Atiba_22, Avrafan_17, AzulaCat_17, BEEST_22, BGlluviae_22, BPs_17, BQuat_17, BaghaKamala_22, Barkley26_17, BarrelRoll_22, Beezoo_22, Bella96_22, Belladonna_22, Bern_22, Biglebops_18, Blizzard_22, Bobquesha_24, Boiiii_22, BruceB_17, Bryler_21, CLED96_17, CREW_22, Cain_21, CallaLilly_22, Camri_17, Capricorn_22, CaseJules_22, CassieYates_17, Cedasite_17, Chance64_17, Chancellor_23, Chavito_22, CheetoDust_22, Cheetobro_23, Cherrybomb426_17, Chris_21, Clipper_22, Cloudyecho_17, Coleslaw_17, Crespo_17, CrimD_22, Curiosium_23, DMoney_17, DNAIII_0017, Dalmuri_22, DanSyl44_24, Darionha_17, DartGoblin_22, DarthP_21, Dartin_22, Deby_22, Devera_22, DingDing_17, Dole_22, DrHayes_22, Durfee_22, ECartman_17, Efra2_22, Ekdilam_19, Ellie_19, Emerson_22, Enkosi_18, Eponine_23, Fefferhead_21, Fionnbharth_23, ForeverHowLong_17, Frosty24_17, Ganymede_23, Geraldini_22, Gideon_17, GoldenAsh_17, Gomashi_17, Grizzly_17, Guanica15_22, Halo_17, Hammy_21, HedwigODU_22, Homura_22, Hope_17, Hotshotbaby7_17, Hurricane_21, Hyperbowlee_22, Illumine_22, Inky_22, JAWS_22, JF1_23, Jane_17, Jarvi_22, Jayhawk_22, Jeckyll_22, Jeilious_17, Jolene_17, Jolie2_17, Jonghyun_17, JorRay_17, Joy99_22, Juliette_23, Kareem_17, Kasen3_17, Keshu_21, Kheparia_24, KiSi_21, Kraw_23, Krueger_21, LastHope_22, LaterM_22, Lavahound_20, LeMond_21, Lea83_21, Lebo14_23, Lemuria_17, Liefie_17, LilPharaoh_18, LindNT_22, Llorens_22, Lokum_22, LouisV14_17, Lunahalos_22, MOOREtheMARYer_17, MZKinsey_17, MacKat_22, MacnCheese_22, Maliketh_17, Malthus_24, MarkPhew_22, Marmie_17, Marshawn_23, McMater_22, Mdavu_18, MeaningOfLife_22, Megsy_22, Mercurio_18, MissDaisy_23, Mitti_23, Mowgli_17, Murucutumbu_22, Mynx_22, Neoh_17, Nibb_21, Nikao_18, Niklas_22, Nolwazi_24, November_20, Nutello_18, OctaviousRex_17, Olga_17, OmniCritical_23, Oscar_21, Padfoot_22, Padpat_22, Paito_17, Patt_23, Peanam_22, Peeb_17, Peel_22, Periodt_17, Pharb_21, PhelpsODU_21, Phish_17, Phloodle_17, Phrank_21, Phreak_17, Piatt_22, PinkYoshi_17, Pinnie_18, Pisa1_21, Pisa4_21, Pixie_21, Plagueis_17, Pokerus_21, Primanti_17, Prithvi_22, QuincyRose_21, Rabbs_17, Ramen_22, Rapunzel97_22, Rattrick_17, Remy19_17, Renaissance_17, Reptar3000_23, Richarlison_17, Richo_22, Rosmarinus_22, Ruriko_17, Ruthiejr_22, SamScheppers_21, SamuelLPlaqson_22, Scarlett_21, Schiebel_17, SgtBeansprout_18, ShaboiShabazz_17, Shadow1_20, Shaobing_22, ShedlockHolmes_21, ShiaSurprise_22, SirPhilip_21, Sizemore_17, Slarp_23, Slimphazie_22, Sneeze_17, Spock_22, Stargaze_17, Stinson_22, Sulley_22, Sunflower1121_20, Sweets_17, Syra333_21, TBond007_21, TClif_21, Tachez_22, Taheera_17, TaiwanKao_23, Taquito_21, Teejan_18, Terralys_17, Terror_17, Tierra_21, Tigress9_21, TinaBug_17, TingHuaYa_22, TiniBug_22, Tiri_22, TomBrady_17, Topper_22, Torres_18, TreyKay_22, TribleTrouble_20, Trice_18, TruffulaTree_22, Twitch_22, Unicorn_21, Urkel_22, Validus_22, Veliki_22, Wendigo_17, Wintermute_23, Ximenita_22, Y10_23, Y2_23, YangYin_17, YasnayaPolyana_23, YoureAdopted_21, Yuna_22, Yunkel11_22, Zabiza_22, Zavala_22, ZoMa_17, Zombie_17,

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

• FlagStaff_17, GodSpeed_17, Pace1224_17, Qhanda_24,

Genes that do not have the "Most Annotated" start:
• 32HC_25, 8UZL_20, ATCC29399BC_15, ATCC29399BT_15, Abscondus_46, Adora_19, Aesir_29, Agent47_20, Agueybana_18, AlleyCat_20, AlumE_18, Aminay_20, Amochick_21, Amymech_21, Anakin_30, AnnaSerena_30, Annalisa_19, Annapurna_29, Antonio_18, Aphelion_47, Apiary_44, Aquarius_15, ArchiDore_18, Archimedes_15, Archis_19, Arti_40, Artiphact_30, Attacne_15, AuntGwenStacy_23, Avocado_17, Ayotoya_21, Azula_20, BabyMoney_20, Bachita_49, BananenDer11_20, Banquo_25, Bantam_29, Barco_18, Barnstormer_15, BatStarr_18, BaxterFox_17, Beelzebub_53, Beenie_19, Begonia_19, Bernal13_18, BetterKatz_21, BiPauneto_43, Bialota_18, Bimmel_60, Bipper_23, Blackbeetle_49, BlingBling_18, Blino_18, BloominB_21, BlueNGold_99, Blueberry_20, Bock_21, Boilgate_19, Bonum_43, Boopy_100, BoostSeason_18, Bosnia_18, BoyNamedSue_18, Braxoaddie_44, BruceLethal_15, BrutonGaster_35, Brylie_21, Buggaboo_41, Bunnybear_17, C3PO_30, Cambiare_18, Caprice_48, CaptainKirk2_18, Cardigan_45, CarolAnn_18, Caron_15, Catfish_21, Cen1621_15, CheeseSpider_20, ChewyVIII_55, Chivey_29, Chop_21, Clark_19, Clarkson_50, ClubL_47, CoffeeBean_44, Collard_20, Commandaria_42, CoolCookie_30, Corazon_47, Cota_15, Cracklewink_23, Crestdrop_29, Cruella_30, Cucurbita_49, Culver_47, Cybele_30, Dadosky_20, Daegal_22, Dalilpop_45, DannyDe_29, Dardanus_23, Daredevil_28, Darwin_33, DatBoi_30, Dauntless_29, DeepSoil15_21, DelRio_22, Delian_18, Dewey_21, Dillpickles_19, DinoDaryn_23, DismalFunk_18, DismalStressor_18, DobbysSock_18, Dogfish_20, Dolores_19, Dorito_18, DoubleChamp_20, Doughnut_18, DrParker_15, DumpsterDude_18, Dusty_46, Easley_19, Edugator_19, Ein37_21, Emianna_40, Engineer_48, Ennea_46, Enochoraptor_15, Enoki_15, Erudite_29, Eudoria_18, Euratis_13, Evanesce_21, Eviarto_18, Ewald_21, FF47_20, Fairfaxidum_18, Faiyaz_23, Farewell_15, FeliMaine_51, Fenry_17, Feyre_20, Findley_18, Finkle_18, Flapper_44, Float294_42, Floof_16, Forester_16, Forge_21, Forza_100, FountainFog_29, Foxboro_41, Francois_21, FreddieHg_29, Frizzle_15, Frokostdame_18, Fury_49, GMA1_18, GMA2_29, GRU1_30, GTE5_31, GTE8_29, Gagieri_44, Gaia_13, Gallia_41, Gambino_20, Gancho_20, GardenState_16, Gattaca_48, Geeche_46, Gengar_20, Ghobes_15, Gilda_30, Giles_21, GodonK_88, Goib_22, GoongGoong_48, GrandSlam_21, Gravaillia_21, Gretchen_16, GrootJr_42, Gsput1_19, Guacamole_18, Guillsminger_20, HH92_21, Hadrien_21, Hager_31, Hail_21, Hamood_21, Haunter_30, Heather_13, Heftyboy_20, Herod_18, Hiddenleaf_29, Hilltopfarm_23, Hitter_18, HomeFry_46, Honk_15, Hortense_19, Howe_19, HubbaBubba_38, Huffy_23, Hugley_18, Huphlepuff_51, Hyzer_18, IAmGroot_16, IDyn_41, Ibantik_80, Ibrahim_18, Invectra_19, InvictusManeo_20, JDawG_29, JacoRen57_16, Jalammah_20, JasperJr_18, Jifall16_39, JingleBells_29, JoieB_50, JonJames_46, JrWilcox_70, JuJu_18, JustASigh_17, Kabluna_43, KappaFarmDelta_18, Karate_29, Kate_30, Keiki_15, KidneyBean_40, Kimchi1738_30, Kinbote_21, Kita_18, Krampus_30, Kratio_19, Kromp_18, Kubed_15, Kurt_40, Larva_20, Lauchelly_15, Leston_20, Leviosa_15, LilBandit_15, LilDirt_19, LilHazelnut_21, Lilbit_48, Lilbooboo_13, LittleLaf_49, Lollipop1437_45, LongHai_21, Lozinak_47, Luke_21, Luna22_21, Lysidious_19, MEAK_15, Mabodamaca_16, MacGully_49, Maco6_18, Madavieve_18, Madeline_18, MakCheese_19, Malachai_19, MalagasyRose_23, Manasvini_18, Manilisa_22, Marcoliusprime_18, Mareelih_98, Maridalia_17, Marietta_42, Marvin_47, Maselop_44, Mcklovin_19, Melba_18, Mellie_17, Mendokysei_17, MerCougar_41, Meyran_20, MichaelScott_19, Milly_18, MintFen_18, Miryou_20, Miskis_45, MissRona_20, Mollymur_30, MortySmith_28, MosMoris_47, Moyashi_15, MrAK_15,

Muddy_20, Mufasa_18, Mulch_21, Murp_18, Nadeem_21, NadineRae_40, Nairb_18, NancyRae_21, NarutoRun_30, NatB6_40, Nebkiss_14, Neighly_20, Neobush_18, Neptune_30, Nergal_21, Nette_18, NoShow_17, Norvs_48, NosilaM_43, NovoPizza_18, NovumRegina_40, Nyceirae_22, Nymphadora_18, OBUpride_21, Obliviate_17, OhDear_30, Ohgeesy_18, OkiRoe_20, Omnicron_20, OneUp_41, Oregano_19, Ouroboros_15, Outis_41, OverHedge_30, P1.1_15, P100.1_15, P100A_15, P100D_15, P101A_15, P104A_15, P104B_15, P105_15, P106A_15, P106C_15, P106I_15, P106L_15, P106M_15, P107A_15, P107C_15, P108C_15, P1201_46, P14.4_15, P3MA_17, P9.1_15, PA6_15, PAD20_15, PAS50_15, PCoral7_18, PHL010M04_15, PHL037M02_15, PHL060L00_15, PHL067M10_15, PHL071N05_15, PHL111M01_15, PHL112N00_15, PHL113M01_15, PHL114L00_15, PantheRoc_18, Paola_20, Parada_21, Patio_43, Pemberton_43, Percival_16, PeteyPab_32, Petra_20, Pharpay_30, Phendrix_86, PhinkBoden_47, Phishy_21, Phomeo_39, PhriskyACE_18, PhrostedPhlake_19, PhunaPhoke_30, Pimento_22, Pipp_18, Pirate_15, Pleakley_49, Poise_49, Polly_18, Polyyuki_44, Ponzi_55, PotatoChip_33, Potty_30, Poultress_29, Powerball_18, PrincePatrick_18, Pringar_49, Procrass1_15, Psycho_20, QueenBey_15, Rachella_30, Raela_49, Rando14_20, RedRaider77_49, RedRaider_47, Rem711_24, RemusLoopin_13, Rie18_30, Rileysaurus_15, Rizz_22, RonRayGun_18, RunningOnE_73, Ruthy_18, SKKY_15, SafetyGuy_30, Salvus_21, Samba_18, Samman98_19, Samora_13, Sapo_15, Schmidt_19, Scuba_49, Sebastisaurus_13, Sekhmet_19, Shawty_13, Shlim410_19, Sidious_18, SilentWarrior_29, Sixama_98, Skysand_42, Sleepyhead_17, Smoothie_48, Snakehole_30, SoSeph_20, Soilmate_18, Solid_15, Sparky_15, SpeedDemon_310, Splinter_21, Spooks_61, Sprinklemunch_17, StarStruck_41, Stellammi_14, Stickynote_32, Stormborn_15, Strobilo_18, SuMoo_15, Success_62, Suerte_17, Sukkupi_42, SuperHands_16, SuperSulley_41, Supernova_15, Suscepit_18, SushiChef_19, SussRoloMann_21, TG1_13, TM4_18, TPA4_18, TZGordon_23, Tayonia_18, Tedro_30, Tesla_48, ThankyouJordi_17, Thimann_19, Thyatira_20, Tiggy93_30, TimTam_18, TinaLin_24, TinyDot_18, Toast_18, Tongui_29, Toniann_47, Towmatter_27, Tracker_40, Trumpet_18, Turuncu_44, Tuti_19, Twinkle_19, Typha_23, Ubuntu_21, UmaThurman_18, UtzChips_15, Utz_18, ValentiniPuff_68, Vash_13, VasuNzinga_49, Vendetta_21, ViviJ_19, Vordorf_21, Walrus_19, Waterfoul_20, Webster2_21, Weirdo19_18, WelcomeAyanna_17, WheatThin_21, Wheezy_40, Whitty_18, WhoseManz_42, WilliamBoone_47, William_18, WinkNick_19, WinnieLou_31, Wishmaker_21, Wisp_17, Wizzo_15, Wocket_19, Yeezy_19, Yndexa_42, Yvonnetastic_44, Zameen_18, Zarbodnamra_18, ZenTime222_18, ZiggyZoo_17, Zilla_18, Zion_33, Zirinka_18, Zodiariah_17, ZoeJ_18, phiBT1_44,

Summary by start number:

Start 15:
• Found in 4 of 779 (0.5%) of genes in pham
• Manual Annotations of this start: 2 of 711
• Called 75.0% of time when present
• Phage (with cluster) where this start called: FlagStaff_17 (G2), GodSpeed_17 (G2), Pace1224_17 (G2),

Start 17:
• Found in 1 of 779 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Boilgate_19 (K8),

Start 18:
• Found in 1 of 779 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aminay_20 (K7),

Start 19:
• Found in 271 of 779 (34.8%) of genes in pham
• Manual Annotations of this start: 250 of 711
• Called 98.5% of time when present
• Phage (with cluster) where this start called: ActinUp_22 (K1), Adephagia_22 (K1), Adonis_22 (K1), Ageofdapage_22 (K1), AizenPogi_17 (G1), AlishaPH_22 (K1), Amelie_18 (K1), Amgine_20 (K6), Amohnition_21 (K6), Anaya_23 (K1), Angel_17 (G1), Angelica_22 (K1), Anma_22 (K1), Annihilator_17 (G1), Antsirabe_17 (G5), Apocalypse_22 (K1), Applecrisp_20 (K6), Aroostook_17 (G1), Asayake_22 (K1), Atiba_22 (K1), Avrafan_17 (G1), AzulaCat_17 (G1), BEEST_22 (K1), BGlluviae_22 (K1), BPs_17 (G1), BQuat_17 (G1), BaghaKamala_22 (K1), Barkley26_17 (G1), BarrelRoll_22 (K1), Beezoo_22 (K1), Bella96_22 (K1), Belladonna_22 (K1), Bern_22 (K1), Biglebops_18 (K1), Blizzard_22 (K1), Bobquesha_24 (K4), Boiiii_22 (K1), BruceB_17 (G1), Bryler_21 (K6), CLED96_17 (G1), CREW_22 (K1), Cain_21 (K6), CallaLilly_22 (K1), Camri_17 (G1), Capricorn_22 (K1), CaseJules_22 (K1), CassieYates_17 (G1), Cedasite_17 (G1), Chance64_17 (G1), Chancellor_23 (K4), Chavito_22 (K1), CheetoDust_22 (K1), Cheetobro_23 (K4), Cherrybomb426_17 (G1), Chris_21 (K1), Clipper_22 (K1), Cloudyecho_17 (G3), Coleslaw_17 (G1), Crespo_17 (G1), CrimD_22 (K1), Curiosium_23 (K1), DMoney_17 (G1), DNAIII_0017 (G1), Dalmuri_22 (K1), DanSyl44_24 (K4), Darionha_17 (G1), DartGoblin_22 (K1), DarthP_21 (K6), Dartin_22 (K1), Deby_22 (K1), Devera_22 (K1), DingDing_17 (G1), Dole_22 (K1), DrHayes_22 (K1), Durfee_22 (K1), ECartman_17 (G1), Efra2_22 (K1), Ekdilam_19 (K6), Ellie_19 (K6), Emerson_22 (K1), Enkosi_18 (K1), Eponine_23 (K4), Fefferhead_21 (K6), Fionnbharth_23 (K4), ForeverHowLong_17 (G1), Frosty24_17 (G1), Ganymede_23 (K1), Geraldini_22 (K1), Gideon_17 (G1), GoldenAsh_17 (G1), Gomashi_17 (G1), Grizzly_17 (G1), Guanica15_22 (K1), Halo_17 (G1), Hammy_21 (K6), HedwigODU_22 (K1), Homura_22 (K1), Hope_17 (G1), Hotshotbaby7_17 (G1), Hurricane_21 (K3), Hyperbowlee_22 (K1), Illumine_22 (K1), Inky_22 (K1), JAWS_22 (K1), JF1_23 (K4), Jane_17 (G1), Jarvi_22 (K1), Jayhawk_22 (K1), Jeckyll_22 (K1), Jeilious_17 (G), Jolene_17 (G1), Jolie2_17 (G4), Jonghyun_17 (G1), JorRay_17 (G1), Joy99_22 (K1), Juliette_23 (K4), Kareem_17 (G1), Kasen3_17 (G1), Keshu_21 (K3), Kheparia_24 (K1), KiSi_21 (K1), Kraw_23 (K4), Krueger_21 (K6), LastHope_22 (K1), LaterM_22 (K1), Lavahound_20 (K6), LeMond_21 (K1), Lea83_21 (K3), Lebo14_23 (K4), Lemuria_17 (G4), Liefie_17 (G1), LilPharaoh_18 (K1), LindNT_22 (K1), Llorens_22 (K1), Lokum_22 (K1), LouisV14_17 (G1), Lunahalos_22 (K1), MOOREtheMARYer_17 (G3), MZKinsey_17 (G1), MacKat_22 (K1), MacnCheese_22 (K3), Maliketh_17 (G1), Malthus_24 (K4), MarkPhew_22 (K1), Marmie_17 (G1), Marshawn_23 (K6), McMater_22 (K1), Mdavu_18 (K1), MeaningOfLife_22 (K1), Megsy_22 (K1), Mercurio_18 (G4), MissDaisy_23 (K4), Mitti_23 (K4), Mowgli_17 (G1), Murucutumbu_22 (K1), Mynx_22 (K1), Neoh_17 (G), Nibb_21 (K1), Nikao_18 (K1), Niklas_22 (K1), Nolwazi_24 (K4), November_20 (K6), Nutello_18 (K1), OctaviousRex_17 (G1), Olga_17 (G1), OmniCritical_23 (K4), Oscar_21 (K1), Padfoot_22 (K1), Padpat_22 (K1), Paito_17 (G1), Patt_23 (K4), Peanam_22 (K1), Peeb_17 (G1), Peel_22 (K1), Periodt_17 (G1), Pharb_21 (K3), PhelpsODU_21 (K6), Phish_17 (G1), Phloodle_17 (G1), Phrank_21 (K6), Phreak_17 (G1), Piatt_22 (K1), PinkYoshi_17 (G1), Pinnie_18 (G3), Pisa1_21 (K1), Pisa4_21 (K1), Pixie_21 (K3),

Plagueis_17 (G1), Pokerus_21 (K1), Primanti_17 (G1), Prithvi_22 (K1), QuincyRose_21 (K1), Rabbs_17 (G1), Ramen_22 (K1), Rapunzel97_22 (K1), Rattrick_17 (G1), Remy19_17 (G1), Renaissance_17 (G1), Reptar3000_23 (K4), Richarlison_17 (G1), Richo_22 (K1), Rosmarinus_22 (K1), Ruriko_17 (G1), Ruthiejr_22 (K4), SamScheppers_21 (K4), SamuelLPlaqson_22 (K1), Scarlett_21 (K1), Schiebel_17 (G1), SgtBeansprout_18 (K1), ShaboiShabazz_17 (G1), Shadow1_20 (K6), Shaobing_22 (K1), ShedlockHolmes_21 (K3), ShiaSurprise_22 (K1), SirPhilip_21 (K6), Sizemore_17 (G1), Slarp_23 (K4), Slimphazie_22 (K1), Sneeze_17 (G1), Spock_22 (K1), Stargaze_17 (G5), Stinson_22 (K1), Sulley_22 (K1), Sunflower1121_20 (K6), Sweets_17 (G1), Syra333_21 (K6), TBond007_21 (K3), TClif_21 (K6), Tachez_22 (K1), Taheera_17 (G1), TaiwanKao_23 (K1), Taquito_21 (K4), Teejan_18 (K1), Terralys_17 (G1), Terror_17 (G1), Tierra_21 (K6), Tigress9_21 (K6), TinaBug_17 (G1), TingHuaYa_22 (K1), TiniBug_22 (K1), Tiri_22 (K1), TomBrady_17 (G1), Topper_22 (K1), Torres_18 (K1), TreyKay_22 (K1), TribleTrouble_20 (K3), Trice_18 (K1), TruffulaTree_22 (K1), Twitch_22 (K1), Unicorn_21 (K6), Urkel_22 (K1), Validus_22 (K1), Veliki_22 (K1), Wendigo_17 (G1), Wintermute_23 (K4), Ximenita_22 (K6), Y10_23 (K4), Y2_23 (K4), YangYin_17 (G5), YasnayaPolyana_23 (K4), YoureAdopted_21 (K1), Yuna_22 (K6), Yunkel11_22 (K1), Zabiza_22 (K1), Zavala_22 (K1), ZoMa_17 (G1), Zombie_17 (G1),

Start 20:
• Found in 2 of 779 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Avocado_17 (G2), Cambiare_18 (G2),

Start 21:
• Found in 39 of 779 (5.0%) of genes in pham
• Manual Annotations of this start: 36 of 711
• Called 97.4% of time when present
• Phage (with cluster) where this start called: Agent47_20 (K5), AlleyCat_20 (K5), BananenDer11_20 (K5), BoostSeason_18 (K2), Collard_20 (K5), Dadosky_20 (K5), DismalFunk_18 (K2), DismalStressor_18 (K2), DoubleChamp_20 (K5), Doughnut_18 (K2), Edugator_19 (K5), Feyre_20 (K5), Findley_18 (K2), Gengar_20 (K5), Guillsminger_20 (K5), Heftyboy_20 (K5), InvictusManeo_20 (K5), Kratio_19 (K5), Larva_20 (K5), Leston_20 (K5), LilDirt_19 (K5), Marcoliusprime_18 (K2), Milly_18 (K2), Miryou_20 (K5), Mufasa_18 (K2), Neighly_20 (K3), OkiRoe_20 (K5), Omnicron_20 (K5), Paola_20 (K5), Psycho_20 (K5), Rando14_20 (K5), SoSeph_20 (K5), Strobilo_18 (K2), TM4_18 (K2), Thyatira_20 (K5), ViviJ_19 (K5), Waterfoul_20 (K5), ZoeJ_18 (K2),

Start 22:
• Found in 8 of 779 (1.0%) of genes in pham
• Manual Annotations of this start: 4 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 8UZL_20 (AB), FF47_20 (AB), JacoRen57_16 (AB), LongHai_21 (AB), Maco6_18 (AB), Muddy_20 (AB), NoShow_17 (AB), Salvus_21 (AB),

Start 23:
• Found in 36 of 779 (4.6%) of genes in pham
• No Manual Annotations of this start.
• Called 2.8% of time when present

• Phage (with cluster) where this start called: Qhanda_24 (K4),

Start 25:
• Found in 3 of 779 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 711
• Called 66.7% of time when present
• Phage (with cluster) where this start called: P3MA_17 (singleton), TPA4_18 (singleton),

Start 26:
• Found in 1 of 779 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nergal_21 (AG),

Start 30:
• Found in 2 of 779 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gaia_13 (X), Nebkiss_14 (X),

Start 31:
• Found in 3 of 779 (0.4%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Sprinklemunch_17 (DW),

Start 32:
• Found in 2 of 779 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JustASigh_17 (AH), Weirdo19_18 (AH),

Start 33:
• Found in 2 of 779 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 32HC_25 (Z), Rem711_24 (Z),

Start 34:
• Found in 7 of 779 (0.9%) of genes in pham
• Manual Annotations of this start: 7 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AuntGwenStacy_23 (Y), Bipper_23 (Y), Cracklewink_23 (Y), Faiyaz_23 (Y), Hilltopfarm_23 (Y), MalagasyRose_23 (AG), Typha_23 (Y),

Start 37:
• Found in 6 of 779 (0.8%) of genes in pham
• Manual Annotations of this start: 5 of 711
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Bimmel_60 (BT), Ibantik_80 (JN), RunningOnE_73 (JN), Spooks_61 (BT), Success_62 (BT),

Start 39:
• Found in 28 of 779 (3.6%) of genes in pham
• Manual Annotations of this start: 24 of 711
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Amochick_21 (Q), Amymech_21 (Q), BloominB_21 (Q), Daegal_22 (Q), DeepSoil15_21 (Q), Dewey_21 (Q), Ein37_21 (Q), Evanesce_21 (Q), Forge_21 (Q), Gancho_20 (Q), Giles_21 (Q), Gravaillia_21 (Q), HH92_21 (Q), Hadrien_21 (Q), Hail_21 (Q), Kinbote_21 (Q), LilHazelnut_21 (Q), Luke_21 (Q), Luna22_21 (Q), NovoPizza_18 (Q), OBUpride_21 (Q), Ubuntu_21 (Q), Webster2_21 (Q), Wishmaker_21 (Q),

Start 40:
• Found in 2 of 779 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 711
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Zodiariah_17 (DW),

Start 43:
• Found in 1 of 779 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stellammi_14 (UNK),

Start 44:
• Found in 20 of 779 (2.6%) of genes in pham
• Manual Annotations of this start: 18 of 711
• Called 90.0% of time when present
• Phage (with cluster) where this start called: ArchiDore_18 (DW), Ayotoya_21 (DI), BetterKatz_21 (DI), Bock_21 (DI), Brylie_21 (DI), Chop_21 (DI), DelRio_22 (DI), DumpsterDude_18 (DW), Francois_21 (DI), GrandSlam_21 (DI), Hamood_21 (DI), Mulch_21 (DI), Nadeem_21 (DI), NancyRae_21 (DI), Parada_21 (DI), Pimento_22 (DI), Ruthy_18 (DW), WheatThin_21 (DI),

Start 45:
• Found in 2 of 779 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: MakCheese_19 (DW),

Start 46:
• Found in 3 of 779 (0.4%) of genes in pham
• Manual Annotations of this start: 3 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cardigan_45 (DD), JonJames_46 (DD), Yvonnetastic_44 (DD),

Start 47:
• Found in 1 of 779 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kromp_18 (singleton),

Start 48:
• Found in 2 of 779 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 711
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Ponzi_55 (singleton),

Start 56:
• Found in 30 of 779 (3.9%) of genes in pham
• Manual Annotations of this start: 19 of 711
• Called 70.0% of time when present
• Phage (with cluster) where this start called: Bantam_29 (DL), C3PO_30 (EN), Cruella_30 (EN), Culver_47 (CQ1), Daredevil_28 (DL), Darwin_33 (EN), DatBoi_30 (DL), Gallia_41 (singleton), Kimchi1738_30 (EN), Mollymur_30 (DL), Norvs_48 (CQ1), Nyceirae_22 (DT), P1201_46 (singleton), PeteyPab_32 (EN), PotatoChip_33 (EN), Smoothie_48 (CQ1), SpeedDemon_310 (DL), Stickynote_32 (EN), Towmatter_27 (DL), WilliamBoone_47 (CQ1), Zion_33 (EN),

Start 57:
• Found in 61 of 779 (7.8%) of genes in pham
• Manual Annotations of this start: 8 of 711
• Called 18.0% of time when present
• Phage (with cluster) where this start called: BabyMoney_20 (DT), Dogfish_20 (DT), Ewald_21 (DT), Farewell_15 (AF), Manilisa_22 (DT), Meyran_20 (DT), OneUp_41 (CQ2), P108C_15 (BU), Phishy_21 (DT), Sparky_15 (AF), Vordorf_21 (DT),

Start 58:
• Found in 48 of 779 (6.2%) of genes in pham
• Manual Annotations of this start: 12 of 711
• Called 27.1% of time when present
• Phage (with cluster) where this start called: Abscondus_46 (CQ1), Aphelion_47 (CQ1), Bachita_49 (CQ1), BrutonGaster_35 (CQ2), ClubL_47 (CQ1), Cucurbita_49 (CQ1), Dusty_46 (CQ1), Engineer_48 (CQ1), Geeche_46 (CQ1), Lozinak_47 (CQ1), Miskis_45 (CQ1), PhinkBoden_47 (CQ1), Toniann_47 (CQ1),

Start 60:
• Found in 57 of 779 (7.3%) of genes in pham
• Manual Annotations of this start: 44 of 711
• Called 98.2% of time when present
• Phage (with cluster) where this start called: ATCC29399BC_15 (BU), ATCC29399BT_15 (BU), Aquarius_15 (BU), Attacne_15 (BU), BruceLethal_15 (BU), Cota_15 (BU), DrParker_15 (BU), Enochoraptor_15 (BU), Enoki_15 (BU), Keiki_15 (BU), Kubed_15 (BU), Lauchelly_15 (BU), Leviosa_15 (BU), LilBandit_15 (BU), MEAK_15 (BU), Moyashi_15 (BU), MrAK_15 (BU), Ouroboros_15 (BU), P1.1_15 (BU), P100.1_15 (BU), P100A_15 (BU), P100D_15 (BU), P101A_15 (BU), P104A_15 (BU), P104B_15 (BU), P105_15 (BU), P106A_15 (BU), P106C_15 (BU), P106I_15 (BU), P106L_15 (BU), P106M_15 (BU), P107A_15 (BU), P107C_15 (BU), P14.4_15 (BU), P9.1_15 (BU), PA6_15 (BU), PAD20_15 (BU), PAS50_15 (BU), PHL010M04_15 (BU), PHL037M02_15 (BU), PHL060L00_15 (BU), PHL067M10_15 (BU), PHL071N05_15 (BU), PHL111M01_15 (BU), PHL112N00_15 (BU), PHL113M01_15 (BU), PHL114L00_15 (BU), Pirate_15 (BU), Procrass1_15 (BU), QueenBey_15 (BU), Rileysaurus_15 (BU), SKKY_15 (BU), Solid_15 (BU), Stormborn_15 (BU), Supernova_15 (BU), Wizzo_15 (BU),

Start 61:
• Found in 13 of 779 (1.7%) of genes in pham
• Manual Annotations of this start: 1 of 711
• Called 7.7% of time when present
• Phage (with cluster) where this start called: ChewyVIII_55 (singleton),

Start 62:
• Found in 110 of 779 (14.1%) of genes in pham
• Manual Annotations of this start: 5 of 711
• Called 4.5% of time when present
• Phage (with cluster) where this start called: Apiary_44 (CR6), Braxoaddie_44 (CR6), CoffeeBean_44 (CR6), Maselop_44 (CR6), Polyyuki_44 (CR6),

Start 63:
• Found in 31 of 779 (4.0%) of genes in pham
• Manual Annotations of this start: 28 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arti_40 (CR2), Dalilpop_45 (CR1), Emianna_40 (CR2), Ennea_46 (CR3), Flapper_44 (CR1), Float294_42 (CR3), Foxboro_41 (CR2), Fury_49 (CR5), GRU1_30 (CR1), GTE5_31 (CR1), GTE8_29 (CR2), GrootJr_42 (CR2), HomeFry_46 (CR5), Jifall16_39 (CR2), KidneyBean_40 (CR2), Kurt_40 (CR2), Lollipop1437_45 (CR3), MerCougar_41 (CR2), NatB6_40 (CR2), NovumRegina_40 (CR2), Outis_41 (CR2), Patio_43 (CR3), Phomeo_39 (CR2), Pleakley_49 (CR5), RedRaider_47 (CR3), Scuba_49 (CR5), Skysand_42 (CR3), StarStruck_41 (CR2), Tracker_40 (CR2), Turuncu_44 (CR1), Wheezy_40 (CR2),

Start 64:
• Found in 6 of 779 (0.8%) of genes in pham
• Manual Annotations of this start: 6 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bonum_43 (CR2), Buggaboo_41 (CR2), Commandaria_42 (CR2), Kabluna_43 (CR2), NosilaM_43 (CR2), SuperSulley_41 (CR2),

Start 66:
• Found in 2 of 779 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GodonK_88 (DK), Phendrix_86 (DK),

Start 67:
• Found in 14 of 779 (1.8%) of genes in pham
• Manual Annotations of this start: 9 of 711
• Called 64.3% of time when present
• Phage (with cluster) where this start called: BiPauneto_43 (CR4), HubbaBubba_38 (CR4), IDyn_41 (CR4), Marietta_42 (CR4), NadineRae_40 (CR4), Pemberton_43 (CR4), Sukkupi_42 (CR4), WhoseManz_42 (CR4), Yndexa_42 (CR4),

Start 70:
• Found in 10 of 779 (1.3%) of genes in pham
• Manual Annotations of this start: 8 of 711
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Bernal13_18 (T), Ibrahim_18 (T), JrWilcox_70 (GL), Mendokysei_17 (T), Nairb_18 (T), Nette_18 (T), RonRayGun_18 (T), ValentiniPuff_68 (GL), Whitty_18 (T), ZenTime222_18 (T),

Start 71:
• Found in 1 of 779 (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: GMA2_29 (DS),

Start 76:
• Found in 5 of 779 (0.6%) of genes in pham
• Manual Annotations of this start: 5 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlueNGold_99 (DS), Boopy_100 (DS), Forza_100 (DS), Mareelih_98 (DS), Sixama_98 (DS),

Start 77:
• Found in 20 of 779 (2.6%) of genes in pham
• Manual Annotations of this start: 20 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beelzebub_53 (S), Blackbeetle_49 (S), Caprice_48 (S), Clarkson_50 (S), Corazon_47 (S), FeliMaine_51 (S), Gattaca_48 (S), GoongGoong_48 (S), Huphlepuff_51 (S), JoieB_50 (S), Lilbit_48 (S), LittleLaf_49 (S), Marvin_47 (S), MosMoris_47 (S), Poise_49 (S), Pringar_49 (S), Raela_49 (S), RedRaider77_49 (S), Tesla_48 (S), VasuNzinga_49 (S),

Start 82:
• Found in 32 of 779 (4.1%) of genes in pham
• Manual Annotations of this start: 2 of 711
• Called 6.2% of time when present
• Phage (with cluster) where this start called: Cen1621_15 (EH), Honk_15 (EH),

Start 83:
• Found in 60 of 779 (7.7%) of genes in pham
• Manual Annotations of this start: 18 of 711
• Called 31.7% of time when present
• Phage (with cluster) where this start called: Barco_18 (CV), Barnstormer_15 (EH), Caron_15 (EH), Floof_16 (EH), Forester_16 (EH), GardenState_16 (EH), Gretchen_16 (EH), Guacamole_18 (CV), IAmGroot_16 (EH), Lysidious_19 (CV), Mabodamaca_16 (EH), Melba_18 (CV), Percival_16 (EH), Pipp_18 (CV), Soilmate_18 (CV), SuMoo_15 (EH), SuperHands_16 (EH), UtzChips_15 (EH), Zarbodnamra_18 (CV),

Start 84:
• Found in 43 of 779 (5.5%) of genes in pham
• Manual Annotations of this start: 37 of 711
• Called 95.3% of time when present
• Phage (with cluster) where this start called: Aesir_29 (EF), Anakin_30 (EF), AnnaSerena_30 (EF), Annapurna_29 (EF), Artiphact_30 (EF), Chivey_29 (EF), CoolCookie_30 (EF), Crestdrop_29 (EF), Cybele_30 (EF), DannyDe_29 (EF), Dauntless_29 (EF), Erudite_29 (EF), FountainFog_29 (EF), FreddieHg_29 (EF), Gilda_30 (EF), Hager_31 (EF), Haunter_30 (EF), Hiddenleaf_29 (EF), JDawG_29

(EF), JingleBells_29 (EF), Karate_29 (EF), Kate_30 (EF), Krampus_30 (EF), MortySmith_28 (EF), NarutoRun_30 (EF), Neptune_30 (EF), OhDear_30 (EF), OverHedge_30 (EF), Pharpay_30 (EF), PhunaPhoke_30 (EF), Potty_30 (EF), Poultress_29 (EF), Rachella_30 (EF), Rie18_30 (EF), SafetyGuy_30 (EF), SilentWarrior_29 (EF), Snakehole_30 (EF), Tedro_30 (EF), Tiggy93_30 (EF), Tongui_29 (EF), WinnieLou_31 (EF),

Start 85:
• Found in 16 of 779 (2.1%) of genes in pham
• Manual Annotations of this start: 15 of 711
• Called 93.8% of time when present
• Phage (with cluster) where this start called: Azula_20 (CV), Blueberry_20 (CV), Fairfaxidum_18 (CV), Fenry_17 (CV), Gambino_20 (CV), Jalammah_20 (CV), JuJu_18 (CV), MissRona_20 (CV), Murp_18 (CV), PCoral7_18 (CV), PrincePatrick_18 (CV), Samba_18 (CV), Toast_18 (CV), William_18 (CV), Zilla_18 (CV),

Start 87:
• Found in 6 of 779 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 711
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Sapo_15 (DA),

Start 88:
• Found in 63 of 779 (8.1%) of genes in pham
• Manual Annotations of this start: 25 of 711
• Called 39.7% of time when present
• Phage (with cluster) where this start called: Archis_19 (CV), Begonia_19 (CV), BlingBling_18 (CV), Blino_18 (CV), CaptainKirk2_18 (CV), CarolAnn_18 (CV), CheeseSpider_20 (CV), Delian_18 (CV), Frizzle_15 (DA), Ghobes_15 (DA), Hitter_18 (CV), JasperJr_18 (CV), KappaFarmDelta_18 (CV), Malachai_19 (CV), Mellie_17 (CV), MintFen_18 (CV), Obliviate_17 (CV), Petra_20 (CV), PhrostedPhlake_19 (CV), UmaThurman_18 (CV), Utz_18 (CV), Walrus_19 (CV), Wisp_17 (CV), Wocket_19 (CV), ZiggyZoo_17 (CV),

Start 89:
• Found in 185 of 779 (23.7%) of genes in pham
• Manual Annotations of this start: 3 of 711
• Called 1.6% of time when present
• Phage (with cluster) where this start called: Archimedes_15 (DA), Gagieri_44 (CR6), MacGully_49 (CR7),

Start 93:
• Found in 116 of 779 (14.9%) of genes in pham
• No Manual Annotations of this start.
• Called 0.9% of time when present
• Phage (with cluster) where this start called: SussRoloMann_21 (DI),

Start 95:
• Found in 35 of 779 (4.5%) of genes in pham
• Manual Annotations of this start: 9 of 711
• Called 28.6% of time when present

• Phage (with cluster) where this start called: Euratis_13 (BB1), Heather_13 (BB2), Lilbooboo_13 (BB1), RemusLoopin_13 (BB2), Samora_13 (BB1), Sebastisaurus_13 (BB2), Shawty_13 (BB1), TG1_13 (BB1), Vash_13 (BB1), phiBT1_44 (BB1),

Start 97:
• Found in 26 of 779 (3.3%) of genes in pham
• Manual Annotations of this start: 19 of 711
• Called 76.9% of time when present
• Phage (with cluster) where this start called: Adora_19 (CZ4), Annalisa_19 (CZ4), Beenie_19 (CZ4), Clark_19 (CZ4), Dolores_19 (CZ4), Dorito_18 (CZ4), Easley_19 (CZ4), Hortense_19 (CZ4), Howe_19 (CZ4), Invectra_19 (CZ4), Mcklovin_19 (CZ4), MichaelScott_19 (CZ4), Oregano_19 (CZ4), PhriskyACE_18 (CZ4), Rizz_22 (CZ4), Samman98_19 (CZ4), Sekhmet_19 (CZ4), Shlim410_19 (CZ4), Tuti_19 (CZ4), WinkNick_19 (CZ4),

Start 98:
• Found in 23 of 779 (3.0%) of genes in pham
• Manual Annotations of this start: 1 of 711
• Called 4.3% of time when present
• Phage (with cluster) where this start called: Frokostdame_18 (CV),

Start 99:
• Found in 12 of 779 (1.5%) of genes in pham
• Manual Annotations of this start: 6 of 711
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Catfish_21 (CU5), Dardanus_23 (CU3), DinoDaryn_23 (CU1), Goib_22 (CU1), Huffy_23 (CU1), TZGordon_23 (CU1),

Start 101:
• Found in 12 of 779 (1.5%) of genes in pham
• Manual Annotations of this start: 5 of 711
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Banquo_25 (CU1), Gsput1_19 (CU2), Schmidt_19 (CU4), Splinter_21 (CU1), TinaLin_24 (CU1), Vendetta_21 (CU1),

Start 103:
• Found in 61 of 779 (7.8%) of genes in pham
• Manual Annotations of this start: 37 of 711
• Called 67.2% of time when present
• Phage (with cluster) where this start called: Agueybana_18 (CZ1), AlumE_18 (CZ1), Antonio_18 (CZ1), BatStarr_18 (CZ1), BaxterFox_17 (CZ3), Bialota_18 (CZ1), Bosnia_18 (CZ1), BoyNamedSue_18 (CZ1), Bunnybear_17 (CZ), Dillpickles_19 (CZ1), DobbysSock_18 (CZ4), Eudoria_18 (CZ1), Eviarto_18 (CZ1), Herod_18 (CZ1), Hugley_18 (CZ1), Hyzer_18 (CZ1), Kita_18 (CZ1), Madavieve_18 (CZ1), Madeline_18 (CZ1), Manasvini_18 (CZ1), Maridalia_17 (CZ1), Neobush_18 (CZ1), Nymphadora_18 (CZ1), Ohgeesy_18 (CZ), PantheRoc_18 (CZ3), Polly_18 (CZ1), Powerball_18 (CZ4), Sidious_18 (CZ7), Suerte_17 (CZ4), Suscepit_18 (CZ1), SushiChef_19 (CZ), Tayonia_18 (CZ1), ThankyouJordi_17 (CZ1), Thimann_19 (CZ4), TimTam_18 (CZ1), Trumpet_18 (CZ1), Twinkle_19 (CZ4), WelcomeAyanna_17 (CZ1), Yeezy_19 (CZ3), Zameen_18 (CZ1), Zirinka_18 (CZ1),

Start 105:
• Found in 1 of 779 (0.1%) of genes in pham

• Manual Annotations of this start: 1 of 711
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TinyDot_18 (singleton),

Start 106:
• Found in 3 of 779 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 711
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Finkle_18 (singleton), GMA1_18 (singleton),

Start 131:
• Found in 9 of 779 (1.2%) of genes in pham
• Manual Annotations of this start: 1 of 711
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Sleepyhead_17 (singleton),

Summary by clusters:

There are 63 clusters represented in this pham: singleton, DK, DI, CZ3, DD, CZ1, DL, CZ4, DA, K3, BU, K1, AB, K7, K6, K5, K4, DW, DT, K8, DS, UNK, G5, G4, CU3, G2, G1, CR7, CQ2, CQ1, BB2, BB1, G3, EN, EH, G, AF, AH, EF, CU5, CZ7, Q, CZ, S, CU4, T, BT, Y, X, GL, CV, CU2, CR2, CR3, CR1, CR6, CU1, CR4, K2, Z, CR5, JN, AG,

Info for manual annotations of cluster AB:
•Start number 22 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AF:
•Start number 57 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:
•Start number 26 was manually annotated 1 time for cluster AG.
•Start number 34 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AH:
•Start number 32 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster BB1:
•Start number 95 was manually annotated 6 times for cluster BB1.

Info for manual annotations of cluster BB2:
•Start number 95 was manually annotated 3 times for cluster BB2.

Info for manual annotations of cluster BT:
•Start number 37 was manually annotated 3 times for cluster BT.

Info for manual annotations of cluster BU:
•Start number 57 was manually annotated 1 time for cluster BU.
•Start number 60 was manually annotated 44 times for cluster BU.

Info for manual annotations of cluster CQ1:
•Start number 56 was manually annotated 4 times for cluster CQ1.

•Start number 58 was manually annotated 11 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 57 was manually annotated 1 time for cluster CQ2.
•Start number 58 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CR1:
•Start number 63 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:
•Start number 63 was manually annotated 15 times for cluster CR2.
•Start number 64 was manually annotated 6 times for cluster CR2.

Info for manual annotations of cluster CR3:
•Start number 63 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:
•Start number 67 was manually annotated 9 times for cluster CR4.

Info for manual annotations of cluster CR5:
•Start number 63 was manually annotated 4 times for cluster CR5.

Info for manual annotations of cluster CR6:
•Start number 62 was manually annotated 5 times for cluster CR6.
•Start number 89 was manually annotated 1 time for cluster CR6.

Info for manual annotations of cluster CR7:
•Start number 89 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CU1:
•Start number 99 was manually annotated 4 times for cluster CU1.
•Start number 101 was manually annotated 4 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 99 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 101 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 99 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:
•Start number 83 was manually annotated 6 times for cluster CV.
•Start number 85 was manually annotated 15 times for cluster CV.
•Start number 88 was manually annotated 23 times for cluster CV.
•Start number 98 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CZ:
•Start number 103 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ1:

•Start number 103 was manually annotated 26 times for cluster CZ1.

Info for manual annotations of cluster CZ3:
•Start number 103 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:
•Start number 97 was manually annotated 19 times for cluster CZ4.
•Start number 103 was manually annotated 5 times for cluster CZ4.

Info for manual annotations of cluster CZ7:
•Start number 103 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster DA:
•Start number 87 was manually annotated 1 time for cluster DA.
•Start number 88 was manually annotated 2 times for cluster DA.
•Start number 89 was manually annotated 1 time for cluster DA.

Info for manual annotations of cluster DD:
•Start number 46 was manually annotated 3 times for cluster DD.

Info for manual annotations of cluster DI:
•Start number 44 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DK:
•Start number 66 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:
•Start number 56 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DS:
•Start number 76 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster DT:
•Start number 56 was manually annotated 1 time for cluster DT.
•Start number 57 was manually annotated 4 times for cluster DT.

Info for manual annotations of cluster DW:
•Start number 40 was manually annotated 1 time for cluster DW.
•Start number 44 was manually annotated 3 times for cluster DW.

Info for manual annotations of cluster EF:
•Start number 84 was manually annotated 37 times for cluster EF.

Info for manual annotations of cluster EH:
•Start number 82 was manually annotated 2 times for cluster EH.
•Start number 83 was manually annotated 12 times for cluster EH.

Info for manual annotations of cluster EN:
•Start number 56 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster G:
•Start number 19 was manually annotated 2 times for cluster G.

Info for manual annotations of cluster G1:
•Start number 19 was manually annotated 70 times for cluster G1.

Info for manual annotations of cluster G2:
•Start number 15 was manually annotated 2 times for cluster G2.
•Start number 20 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster G3:
•Start number 19 was manually annotated 3 times for cluster G3.

Info for manual annotations of cluster G4:
•Start number 19 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:
•Start number 19 was manually annotated 3 times for cluster G5.

Info for manual annotations of cluster GL:
•Start number 70 was manually annotated 1 time for cluster GL.

Info for manual annotations of cluster JN:
•Start number 37 was manually annotated 2 times for cluster JN.

Info for manual annotations of cluster K1:
•Start number 19 was manually annotated 113 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 21 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 19 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 19 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:
•Start number 21 was manually annotated 25 times for cluster K5.

Info for manual annotations of cluster K6:
•Start number 19 was manually annotated 26 times for cluster K6.

Info for manual annotations of cluster K7:
•Start number 18 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 17 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster Q:
•Start number 39 was manually annotated 24 times for cluster Q.

Info for manual annotations of cluster S:
•Start number 77 was manually annotated 20 times for cluster S.

Info for manual annotations of cluster T:

•Start number 70 was manually annotated 7 times for cluster T.

Info for manual annotations of cluster UNK:
•Start number 43 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster X:
•Start number 30 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:
•Start number 34 was manually annotated 6 times for cluster Y.

Info for manual annotations of cluster Z:
•Start number 33 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_25 Start: 17876, Stop: 18982, Start Num: 33
Candidate Starts for 32HC_25:
(9, 17579), (28, 17867), (Start: 33 @17876 has 1 MA's), (52, 17915), (Start: 83 @17960 has 18 MA's), (182, 18167), (236, 18287), (301, 18401), (328, 18461), (416, 18668), (519, 18968),

Gene: 8UZL_20 Start: 14891, Stop: 16003, Start Num: 22
Candidate Starts for 8UZL_20:
(Start: 22 @14891 has 4 MA's), (24, 14939), (Start: 83 @15047 has 18 MA's), (Start: 89 @15056 has 3 MA's), (127, 15125), (133, 15137), (139, 15152), (202, 15299), (264, 15407), (304, 15482), (307, 15491), (322, 15527), (353, 15596), (371, 15638), (408, 15683), (412, 15692), (442, 15749), (477, 15854), (514, 15965),

Gene: ATCC29399BC_15 Start: 11283, Stop: 12224, Start Num: 60
Candidate Starts for ATCC29399BC_15:
(54, 11268), (Start: 57 @11274 has 8 MA's), (Start: 58 @11277 has 12 MA's), (Start: 60 @11283 has 44 MA's), (78, 11316), (Start: 82 @11322 has 2 MA's), (Start: 89 @11334 has 3 MA's), (108, 11361), (112, 11370), (125, 11400), (126, 11403), (127, 11406), (133, 11418), (136, 11427), (144, 11442), (158, 11472), (168, 11502), (173, 11517), (180, 11532), (181, 11535), (205, 11583), (218, 11601), (231, 11637), (235, 11643), (251, 11670), (252, 11673), (262, 11694), (269, 11712), (274, 11721), (288, 11745), (293, 11754), (321, 11817), (329, 11829), (348, 11871), (349, 11874), (350, 11877), (384, 11943), (393, 11964), (402, 11979), (411, 11994), (413, 12000), (449, 12072), (450, 12075), (453, 12093), (454, 12096), (459, 12105), (474, 12153), (477, 12165), (482, 12174), (485, 12183), (488, 12189), (491, 12195), (501, 12210),

Gene: ATCC29399BT_15 Start: 11281, Stop: 12228, Start Num: 60
Candidate Starts for ATCC29399BT_15:
(Start: 57 @11272 has 8 MA's), (Start: 60 @11281 has 44 MA's), (78, 11314), (Start: 82 @11320 has 2 MA's), (Start: 89 @11332 has 3 MA's), (Start: 95 @11341 has 9 MA's), (112, 11374), (125, 11404), (126, 11407), (127, 11410), (133, 11422), (139, 11437), (144, 11446), (158, 11476), (168, 11506), (173, 11521), (178, 11533), (180, 11536), (181, 11539), (218, 11605), (231, 11641), (235, 11647), (251, 11674), (252, 11677), (274, 11725), (288, 11749), (293, 11758), (329, 11833), (349, 11878), (350, 11881), (351, 11884), (384, 11947), (393, 11968), (402, 11983), (411, 11998), (413, 12004), (449, 12076), (450, 12079), (453, 12097), (454, 12100), (474, 12157), (477, 12169), (482, 12178), (488, 12193), (491, 12199), (501, 12214),

Gene: Abscondus_46 Start: 28440, Stop: 29321, Start Num: 58
Candidate Starts for Abscondus_46:
(Start: 56 @28434 has 19 MA's), (Start: 58 @28440 has 12 MA's), (Start: 88 @28488 has 25 MA's), (107, 28515), (139, 28587), (178, 28683), (252, 28791), (304, 28884), (314, 28908), (319, 28923), (371, 29019), (408, 29067), (483, 29247), (502, 29283),

Gene: ActinUp_22 Start: 16020, Stop: 17156, Start Num: 19
Candidate Starts for ActinUp_22:
(Start: 19 @16020 has 250 MA's), (50, 16137), (107, 16227), (118, 16248), (126, 16269), (138, 16296), (262, 16551), (305, 16632), (342, 16707), (346, 16722), (408, 16833), (431, 16875), (463, 16968), (471, 16992), (511, 17085), (516, 17124), (520, 17142),

Gene: Adephagia_22 Start: 16017, Stop: 17153, Start Num: 19
Candidate Starts for Adephagia_22:
(Start: 19 @16017 has 250 MA's), (50, 16134), (107, 16224), (118, 16245), (126, 16266), (138, 16293), (262, 16548), (305, 16629), (342, 16704), (346, 16719), (408, 16830), (431, 16872), (463, 16965), (471, 16989), (511, 17082), (516, 17121), (520, 17139),

Gene: Adonis_22 Start: 16023, Stop: 17159, Start Num: 19
Candidate Starts for Adonis_22:
(Start: 19 @16023 has 250 MA's), (50, 16140), (107, 16230), (118, 16251), (126, 16272), (138, 16299), (262, 16554), (305, 16635), (342, 16710), (346, 16725), (408, 16836), (431, 16878), (463, 16971), (471, 16995), (511, 17088), (516, 17127), (520, 17145),

Gene: Adora_19 Start: 17022, Stop: 17858, Start Num: 97
Candidate Starts for Adora_19:
(Start: 97 @17022 has 19 MA's), (Start: 103 @17031 has 37 MA's), (123, 17073), (138, 17106), (146, 17121), (166, 17169), (190, 17232), (193, 17238), (219, 17277), (255, 17331), (261, 17346), (275, 17370), (278, 17376), (296, 17412), (311, 17442), (315, 17451), (388, 17601), (436, 17691), (476, 17778),

Gene: Aesir_29 Start: 17532, Stop: 18422, Start Num: 84
Candidate Starts for Aesir_29:
(Start: 84 @17532 has 37 MA's), (200, 17787), (239, 17856), (253, 17880), (271, 17913), (353, 18069), (368, 18102), (386, 18135), (418, 18192), (444, 18243), (475, 18333), (487, 18363), (508, 18414), (510, 18417),

Gene: Agent47_20 Start: 16419, Stop: 17549, Start Num: 21
Candidate Starts for Agent47_20:
(Start: 21 @16419 has 36 MA's), (Start: 89 @16593 has 3 MA's), (125, 16659), (126, 16662), (138, 16689), (178, 16788), (229, 16890), (262, 16944), (280, 16974), (297, 17010), (299, 17013), (304, 17022), (340, 17097), (342, 17100), (353, 17136), (371, 17178), (389, 17196), (391, 17202), (408, 17226), (409, 17229), (431, 17268), (511, 17478), (516, 17517), (520, 17535),

Gene: Ageofdapage_22 Start: 15951, Stop: 17087, Start Num: 19
Candidate Starts for Ageofdapage_22:
(Start: 19 @15951 has 250 MA's), (50, 16068), (118, 16179), (126, 16200), (138, 16227), (180, 16329), (262, 16482), (305, 16563), (342, 16638), (346, 16653), (408, 16764), (431, 16806), (463, 16899), (471, 16923), (511, 17016), (516, 17055), (520, 17073),

Gene: Agueybana_18 Start: 16953, Stop: 17780, Start Num: 103
Candidate Starts for Agueybana_18:

(Start: 103 @16953 has 37 MA's), (127, 17007), (140, 17034), (188, 17148), (190, 17154), (197, 17169), (275, 17292), (296, 17334), (302, 17343), (353, 17448), (388, 17523), (398, 17544), (465, 17667), (476, 17700),

Gene: AizenPogi_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for AizenPogi_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: AlishaPH_22 Start: 16010, Stop: 17146, Start Num: 19
Candidate Starts for AlishaPH_22:
(Start: 19 @16010 has 250 MA's), (50, 16127), (107, 16217), (118, 16238), (126, 16259), (138, 16286), (262, 16541), (305, 16622), (342, 16697), (346, 16712), (408, 16823), (431, 16865), (463, 16958), (471, 16982), (511, 17075), (516, 17114), (520, 17132),

Gene: AlleyCat_20 Start: 16301, Stop: 17431, Start Num: 21
Candidate Starts for AlleyCat_20:
(Start: 21 @16301 has 36 MA's), (Start: 89 @16475 has 3 MA's), (125, 16541), (138, 16571), (178, 16670), (229, 16772), (262, 16826), (280, 16856), (297, 16892), (299, 16895), (304, 16904), (340, 16979), (342, 16982), (353, 17018), (371, 17060), (389, 17078), (391, 17084), (408, 17108), (409, 17111), (431, 17150), (466, 17252), (511, 17360), (516, 17399), (520, 17417),

Gene: AlumE_18 Start: 16952, Stop: 17779, Start Num: 103
Candidate Starts for AlumE_18:
(Start: 103 @16952 has 37 MA's), (119, 16985), (127, 17006), (140, 17033), (188, 17147), (190, 17153), (197, 17168), (275, 17291), (296, 17333), (302, 17342), (353, 17447), (388, 17522), (398, 17543), (465, 17666), (476, 17699),

Gene: Amelie_18 Start: 15554, Stop: 16696, Start Num: 19
Candidate Starts for Amelie_18:
(Start: 19 @15554 has 250 MA's), (50, 15677), (107, 15767), (138, 15836), (178, 15935), (180, 15938), (229, 16037), (305, 16172), (408, 16373), (431, 16415), (432, 16418), (463, 16508), (471, 16532), (511, 16625), (516, 16664), (520, 16682),

Gene: Amgine_20 Start: 16119, Stop: 17255, Start Num: 19
Candidate Starts for Amgine_20:
(Start: 19 @16119 has 250 MA's), (50, 16236), (81, 16287), (138, 16395), (180, 16497), (181, 16500), (229, 16596), (262, 16650), (297, 16716), (304, 16728), (431, 16974), (432, 16977), (471, 17091), (511, 17184), (516, 17223), (520, 17241),

Gene: Aminay_20 Start: 16296, Stop: 17435, Start Num: 18
Candidate Starts for Aminay_20:
(Start: 18 @16296 has 1 MA's), (23, 16320), (35, 16392), (50, 16422), (102, 16506), (126, 16554), (136, 16578), (178, 16680), (229, 16782), (262, 16836), (302, 16905), (304, 16911), (318, 16947), (340, 16986), (371, 17064), (431, 17154), (446, 17190), (454, 17220), (467, 17259), (511, 17364), (516, 17403), (520, 17421),

Gene: Amochick_21 Start: 16318, Stop: 17412, Start Num: 39
Candidate Starts for Amochick_21:

(Start: 39 @16318 has 24 MA's), (42, 16327), (107, 16423), (112, 16432), (117, 16441), (138, 16492), (140, 16498), (181, 16594), (189, 16612), (222, 16681), (227, 16690), (233, 16711), (236, 16717), (242, 16723), (244, 16726), (279, 16798), (281, 16801), (351, 16957), (373, 17008), (377, 17026), (416, 17098), (422, 17116), (454, 17200), (463, 17227), (464, 17230), (477, 17266), (485, 17284), (507, 17326), (511, 17341), (512, 17344), (514, 17374), (516, 17380),

Gene: Amohnition_21 Start: 16493, Stop: 17629, Start Num: 19
Candidate Starts for Amohnition_21:
(Start: 19 @16493 has 250 MA's), (50, 16610), (Start: 62 @16628 has 5 MA's), (81, 16661), (107, 16700), (138, 16769), (178, 16868), (181, 16874), (229, 16970), (262, 17024), (297, 17090), (304, 17102), (340, 17177), (371, 17258), (391, 17282), (431, 17348), (432, 17351), (463, 17441), (511, 17558), (516, 17597), (520, 17615),

Gene: Amymech_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for Amymech_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: Anakin_30 Start: 17786, Stop: 18676, Start Num: 84
Candidate Starts for Anakin_30:
(Start: 84 @17786 has 37 MA's), (239, 18110), (253, 18134), (271, 18167), (353, 18323), (444, 18497), (487, 18617), (508, 18668), (510, 18671),

Gene: Anaya_23 Start: 16036, Stop: 17172, Start Num: 19
Candidate Starts for Anaya_23:
(Start: 19 @16036 has 250 MA's), (Start: 21 @16042 has 36 MA's), (50, 16153), (118, 16264), (126, 16285), (138, 16312), (262, 16567), (305, 16648), (346, 16738), (408, 16849), (431, 16891), (463, 16984), (471, 17008), (511, 17101), (516, 17140), (520, 17158),

Gene: Angel_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Angel_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Angelica_22 Start: 15985, Stop: 17121, Start Num: 19
Candidate Starts for Angelica_22:
(Start: 19 @15985 has 250 MA's), (50, 16102), (107, 16192), (118, 16213), (126, 16234), (138, 16261), (262, 16516), (305, 16597), (342, 16672), (346, 16687), (408, 16798), (431, 16840), (463, 16933), (471, 16957), (511, 17050), (516, 17089), (520, 17107),

Gene: Anma_22 Start: 15965, Stop: 17101, Start Num: 19
Candidate Starts for Anma_22:
(Start: 19 @15965 has 250 MA's), (50, 16082), (107, 16172), (118, 16193), (126, 16214), (138, 16241), (229, 16442), (262, 16496), (267, 16502), (305, 16577), (342, 16652), (346, 16667), (431, 16820), (463, 16913), (471, 16937), (511, 17030), (516, 17069), (520, 17087),

Gene: AnnaSerena_30 Start: 17795, Stop: 18685, Start Num: 84

Candidate Starts for AnnaSerena_30:
(Start: 84 @17795 has 37 MA's), (239, 18119), (253, 18143), (271, 18176), (353, 18332), (386, 18398), (444, 18506), (487, 18626), (508, 18677), (510, 18680),

Gene: Annalisa_19 Start: 16513, Stop: 17349, Start Num: 97
Candidate Starts for Annalisa_19:
(Start: 97 @16513 has 19 MA's), (Start: 103 @16522 has 37 MA's), (123, 16564), (138, 16597), (146, 16612), (190, 16723), (193, 16729), (219, 16768), (255, 16822), (275, 16861), (296, 16903), (311, 16933), (315, 16942), (388, 17092), (436, 17182), (476, 17269),

Gene: Annapurna_29 Start: 16994, Stop: 17884, Start Num: 84
Candidate Starts for Annapurna_29:
(Start: 84 @16994 has 37 MA's), (200, 17249), (239, 17318), (253, 17342), (271, 17375), (353, 17531), (368, 17564), (386, 17597), (418, 17654), (444, 17705), (475, 17795), (487, 17825), (496, 17843), (508, 17876), (510, 17879),

Gene: Annihilator_17 Start: 15468, Stop: 16640, Start Num: 19
Candidate Starts for Annihilator_17:
(5, 15135), (Start: 19 @15468 has 250 MA's), (50, 15588), (Start: 62 @15606 has 5 MA's), (Start: 89 @15651 has 3 MA's), (93, 15657), (125, 15720), (140, 15756), (169, 15825), (170, 15828), (178, 15849), (207, 15903), (229, 15948), (251, 15978), (304, 16080), (309, 16092), (314, 16104), (320, 16122), (389, 16287), (408, 16317), (418, 16335), (431, 16359), (473, 16479), (511, 16569), (514, 16602),

Gene: Antonio_18 Start: 16949, Stop: 17776, Start Num: 103
Candidate Starts for Antonio_18:
(Start: 103 @16949 has 37 MA's), (127, 17003), (140, 17030), (188, 17144), (190, 17150), (197, 17165), (275, 17288), (296, 17330), (302, 17339), (311, 17360), (353, 17444), (388, 17519), (465, 17663), (476, 17696),

Gene: Antsirabe_17 Start: 15810, Stop: 16985, Start Num: 19
Candidate Starts for Antsirabe_17:
(4, 15441), (5, 15501), (Start: 19 @15810 has 250 MA's), (Start: 62 @15951 has 5 MA's), (93, 16002), (126, 16068), (127, 16071), (136, 16092), (140, 16101), (169, 16170), (170, 16173), (180, 16197), (202, 16242), (207, 16248), (229, 16293), (282, 16383), (309, 16437), (339, 16497), (376, 16605), (408, 16662), (431, 16704), (433, 16710), (459, 16782), (464, 16800), (499, 16878), (502, 16881), (507, 16899), (514, 16947), (516, 16953),

Gene: Aphelion_47 Start: 28709, Stop: 29590, Start Num: 58
Candidate Starts for Aphelion_47:
(Start: 58 @28709 has 12 MA's), (Start: 88 @28757 has 25 MA's), (107, 28784), (139, 28856), (167, 28922), (178, 28952), (252, 29060), (304, 29153), (314, 29177), (319, 29192), (371, 29288), (408, 29336), (483, 29516), (502, 29552),

Gene: Apiary_44 Start: 30416, Stop: 31342, Start Num: 62
Candidate Starts for Apiary_44:
(Start: 62 @30416 has 5 MA's), (Start: 89 @30452 has 3 MA's), (149, 30569), (164, 30608), (170, 30626), (190, 30677), (246, 30776), (287, 30851), (291, 30860), (325, 30935), (337, 30956), (397, 31094), (421, 31130), (438, 31169), (460, 31211), (482, 31274), (500, 31307),

Gene: Apocalypse_22 Start: 15988, Stop: 17124, Start Num: 19
Candidate Starts for Apocalypse_22:

(Start: 19 @15988 has 250 MA's), (50, 16105), (107, 16195), (118, 16216), (126, 16237), (138, 16264), (226, 16453), (262, 16519), (305, 16600), (342, 16675), (346, 16690), (408, 16801), (431, 16843), (463, 16936), (471, 16960), (511, 17053), (516, 17092), (520, 17110),

Gene: Applecrisp_20 Start: 16530, Stop: 17666, Start Num: 19
Candidate Starts for Applecrisp_20:
(Start: 19 @16530 has 250 MA's), (50, 16647), (81, 16698), (138, 16806), (180, 16908), (181, 16911), (229, 17007), (262, 17061), (297, 17127), (304, 17139), (431, 17385), (432, 17388), (511, 17595), (516, 17634), (520, 17652),

Gene: Aquarius_15 Start: 11300, Stop: 12247, Start Num: 60
Candidate Starts for Aquarius_15:
(53, 11285), (Start: 57 @11291 has 8 MA's), (Start: 58 @11294 has 12 MA's), (Start: 60 @11300 has 44 MA's), (78, 11333), (Start: 89 @11351 has 3 MA's), (91, 11354), (Start: 95 @11360 has 9 MA's), (108, 11384), (112, 11393), (125, 11423), (126, 11426), (127, 11429), (133, 11441), (136, 11450), (158, 11495), (168, 11525), (173, 11540), (180, 11555), (181, 11558), (205, 11606), (218, 11624), (231, 11660), (235, 11666), (251, 11693), (252, 11696), (262, 11717), (274, 11744), (289, 11771), (293, 11777), (321, 11840), (329, 11852), (348, 11894), (349, 11897), (350, 11900), (364, 11933), (370, 11951), (384, 11966), (402, 12002), (411, 12017), (413, 12023), (448, 12092), (449, 12095), (450, 12098), (453, 12116), (454, 12119), (459, 12128), (474, 12176), (477, 12188), (482, 12197), (488, 12212), (491, 12218), (501, 12233),

Gene: ArchiDore_18 Start: 15181, Stop: 16242, Start Num: 44
Candidate Starts for ArchiDore_18:
(Start: 44 @15181 has 18 MA's), (107, 15274), (126, 15316), (149, 15364), (180, 15442), (203, 15502), (222, 15532), (230, 15556), (233, 15562), (272, 15634), (277, 15643), (279, 15646), (284, 15655), (306, 15697), (351, 15796), (377, 15865), (392, 15892), (404, 15913), (499, 16138), (515, 16210), (516, 16213),

Gene: Archimedes_15 Start: 13707, Stop: 14570, Start Num: 89
Candidate Starts for Archimedes_15:
(Start: 83 @13698 has 18 MA's), (Start: 89 @13707 has 3 MA's), (123, 13767), (189, 13914), (201, 13941), (226, 13983), (263, 14052), (283, 14088), (326, 14178), (352, 14235), (353, 14238), (395, 14325), (423, 14361), (436, 14391), (439, 14400),

Gene: Archis_19 Start: 16004, Stop: 16864, Start Num: 88
Candidate Starts for Archis_19:
(Start: 83 @15998 has 18 MA's), (Start: 88 @16004 has 25 MA's), (Start: 98 @16019 has 1 MA's), (166, 16160), (199, 16241), (232, 16298), (238, 16307), (259, 16340), (313, 16448), (351, 16532), (385, 16604), (460, 16733), (468, 16760), (474, 16775),

Gene: Aroostook_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Aroostook_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Arti_40 Start: 28866, Stop: 29807, Start Num: 63
Candidate Starts for Arti_40:
(Start: 63 @28866 has 28 MA's), (115, 28953), (149, 29028), (173, 29094), (190, 29136), (223, 29193), (337, 29406), (347, 29433), (397, 29544), (460, 29676), (500, 29772),

Gene: Artiphact_30 Start: 17787, Stop: 18677, Start Num: 84
Candidate Starts for Artiphact_30:
(Start: 84 @17787 has 37 MA's), (239, 18111), (253, 18135), (271, 18168), (353, 18324), (386, 18390), (444, 18498), (487, 18618), (508, 18669), (510, 18672),

Gene: Asayake_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Asayake_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Atiba_22 Start: 15980, Stop: 17116, Start Num: 19
Candidate Starts for Atiba_22:
(Start: 19 @15980 has 250 MA's), (50, 16097), (107, 16187), (118, 16208), (126, 16229), (138, 16256), (262, 16511), (305, 16592), (342, 16667), (346, 16682), (408, 16793), (431, 16835), (463, 16928), (471, 16952), (511, 17045), (516, 17084), (520, 17102),

Gene: Attacne_15 Start: 11286, Stop: 12227, Start Num: 60
Candidate Starts for Attacne_15:
(Start: 57 @11277 has 8 MA's), (Start: 58 @11280 has 12 MA's), (Start: 60 @11286 has 44 MA's), (78, 11319), (Start: 89 @11337 has 3 MA's), (108, 11364), (112, 11373), (125, 11403), (126, 11406), (127, 11409), (133, 11421), (158, 11475), (168, 11505), (173, 11520), (178, 11532), (180, 11535), (181, 11538), (205, 11586), (218, 11604), (231, 11640), (235, 11646), (251, 11673), (252, 11676), (269, 11715), (274, 11724), (288, 11748), (293, 11757), (321, 11820), (329, 11832), (348, 11874), (349, 11877), (350, 11880), (370, 11931), (384, 11946), (393, 11967), (402, 11982), (411, 11997), (413, 12003), (449, 12075), (450, 12078), (453, 12096), (454, 12099), (459, 12108), (474, 12156), (477, 12168), (482, 12177), (488, 12192), (491, 12198), (501, 12213),

Gene: AuntGwenStacy_23 Start: 18613, Stop: 19611, Start Num: 34
Candidate Starts for AuntGwenStacy_23:
(Start: 34 @18613 has 7 MA's), (75, 18679), (125, 18769), (127, 18775), (150, 18823), (168, 18871), (178, 18898), (194, 18925), (196, 18928), (210, 18949), (240, 19000), (268, 19051), (273, 19060), (288, 19087), (320, 19162), (335, 19186), (391, 19276), (408, 19300), (409, 19303), (431, 19339), (451, 19393), (453, 19402), (467, 19444), (468, 19447), (507, 19528), (510, 19537), (516, 19582),

Gene: Avocado_17 Start: 15733, Stop: 16914, Start Num: 20
Candidate Starts for Avocado_17:
(Start: 20 @15733 has 2 MA's), (50, 15862), (Start: 62 @15880 has 5 MA's), (93, 15931), (107, 15955), (126, 15997), (127, 16000), (136, 16021), (140, 16030), (158, 16066), (170, 16102), (172, 16108), (180, 16126), (207, 16177), (282, 16312), (309, 16366), (339, 16426), (408, 16591), (431, 16633), (459, 16711), (499, 16807), (502, 16810), (514, 16876),

Gene: Avrafan_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Avrafan_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Ayotoya_21 Start: 17079, Stop: 18140, Start Num: 44
Candidate Starts for Ayotoya_21:

(Start: 44 @17079 has 18 MA's), (74, 17124), (93, 17154), (149, 17262), (212, 17412), (233, 17460), (279, 17544), (284, 17553), (306, 17595), (380, 17772), (418, 17841), (480, 18003), (499, 18036), (515, 18108), (516, 18111),

Gene: Azula_20 Start: 16105, Stop: 16965, Start Num: 85
Candidate Starts for Azula_20:
(Start: 85 @16105 has 15 MA's), (Start: 98 @16120 has 1 MA's), (151, 16222), (166, 16261), (199, 16342), (250, 16426), (259, 16441), (313, 16549), (351, 16633), (381, 16699), (385, 16705), (410, 16744), (460, 16834), (474, 16876),

Gene: AzulaCat_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for AzulaCat_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: BEEST_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for BEEST_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: BGlluviae_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for BGlluviae_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: BPs_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for BPs_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: BQuat_17 Start: 15468, Stop: 16640, Start Num: 19
Candidate Starts for BQuat_17:
(5, 15135), (Start: 19 @15468 has 250 MA's), (50, 15588), (Start: 62 @15606 has 5 MA's), (Start: 89 @15651 has 3 MA's), (93, 15657), (125, 15720), (140, 15756), (169, 15825), (170, 15828), (178, 15849), (207, 15903), (229, 15948), (251, 15978), (304, 16080), (309, 16092), (314, 16104), (320, 16122), (389, 16287), (408, 16317), (418, 16335), (431, 16359), (473, 16479), (511, 16569), (514, 16602),

Gene: BabyMoney_20 Start: 17148, Stop: 18008, Start Num: 57
Candidate Starts for BabyMoney_20:
(Start: 57 @17148 has 8 MA's), (Start: 61 @17154 has 1 MA's), (Start: 82 @17190 has 2 MA's), (Start: 83 @17193 has 18 MA's), (166, 17361), (171, 17376), (176, 17388), (243, 17484), (245, 17487), (249, 17496), (256, 17508), (262, 17523), (330, 17652), (407, 17772), (422, 17793), (432, 17814), (448, 17844), (477, 17934),

Gene: Bachita_49 Start: 29142, Stop: 30023, Start Num: 58
Candidate Starts for Bachita_49:
(Start: 58 @29142 has 12 MA's), (Start: 88 @29190 has 25 MA's), (107, 29217), (139, 29289), (167, 29355), (178, 29385), (252, 29493), (304, 29586), (314, 29610), (319, 29625), (371, 29721), (408, 29769), (483, 29949), (502, 29985),

Gene: BaghaKamala_22 Start: 15980, Stop: 17116, Start Num: 19
Candidate Starts for BaghaKamala_22:
(Start: 19 @15980 has 250 MA's), (50, 16097), (107, 16187), (118, 16208), (126, 16229), (138, 16256), (262, 16511), (305, 16592), (342, 16667), (346, 16682), (408, 16793), (431, 16835), (463, 16928), (471, 16952), (511, 17045), (516, 17084), (520, 17102),

Gene: BananenDer11_20 Start: 16380, Stop: 17510, Start Num: 21
Candidate Starts for BananenDer11_20:
(Start: 21 @16380 has 36 MA's), (Start: 89 @16554 has 3 MA's), (125, 16620), (126, 16623), (138, 16650), (178, 16749), (229, 16851), (262, 16905), (280, 16935), (297, 16971), (299, 16974), (304, 16983), (340, 17058), (342, 17061), (353, 17097), (371, 17139), (389, 17157), (391, 17163), (408, 17187), (409, 17190), (431, 17229), (511, 17439), (516, 17478), (520, 17496),

Gene: Banquo_25 Start: 16992, Stop: 17822, Start Num: 101
Candidate Starts for Banquo_25:
(Start: 99 @16989 has 6 MA's), (Start: 101 @16992 has 5 MA's), (116, 17007), (129, 17037), (132, 17046), (146, 17070), (192, 17184), (196, 17190), (203, 17202), (212, 17214), (261, 17313), (304, 17400), (314, 17424), (354, 17508), (365, 17532), (366, 17535), (388, 17571), (434, 17652), (459, 17718), (466, 17742), (470, 17754), (472, 17757),

Gene: Bantam_29 Start: 26180, Stop: 27064, Start Num: 56
Candidate Starts for Bantam_29:
(Start: 56 @26180 has 19 MA's), (Start: 67 @26201 has 9 MA's), (139, 26327), (144, 26336), (208, 26456), (237, 26507), (245, 26516), (262, 26552), (304, 26624), (306, 26630), (371, 26759), (408, 26807), (448, 26882), (462, 26930),

Gene: Barco_18 Start: 15787, Stop: 16653, Start Num: 83
Candidate Starts for Barco_18:
(Start: 83 @15787 has 18 MA's), (Start: 88 @15793 has 25 MA's), (166, 15949), (199, 16030), (259, 16129), (313, 16237), (351, 16321), (385, 16393), (460, 16522), (468, 16549), (474, 16564),

Gene: Barkley26_17 Start: 15480, Stop: 16652, Start Num: 19
Candidate Starts for Barkley26_17:
(5, 15147), (Start: 19 @15480 has 250 MA's), (50, 15600), (Start: 62 @15618 has 5 MA's), (Start: 89 @15663 has 3 MA's), (93, 15669), (125, 15732), (140, 15768), (169, 15837), (170, 15840), (178, 15861), (207, 15915), (229, 15960), (251, 15990), (304, 16092), (309, 16104), (314, 16116), (320, 16134), (389, 16299), (408, 16329), (418, 16347), (431, 16371), (466, 16473), (473, 16491), (511, 16581), (514, 16614),

Gene: Barnstormer_15 Start: 12284, Stop: 13150, Start Num: 83
Candidate Starts for Barnstormer_15:
(Start: 83 @12284 has 18 MA's), (Start: 97 @12305 has 19 MA's), (148, 12410), (178, 12488), (296, 12695), (351, 12797), (434, 12947), (462, 13022), (483, 13082), (505, 13133),

Gene: BarrelRoll_22 Start: 16003, Stop: 17139, Start Num: 19
Candidate Starts for BarrelRoll_22:

(Start: 19 @16003 has 250 MA's), (50, 16120), (107, 16210), (118, 16231), (126, 16252), (138, 16279), (262, 16534), (305, 16615), (342, 16690), (346, 16705), (408, 16816), (431, 16858), (463, 16951), (471, 16975), (511, 17068), (516, 17107), (520, 17125),

Gene: BatStarr_18 Start: 16940, Stop: 17767, Start Num: 103
Candidate Starts for BatStarr_18:
(Start: 103 @16940 has 37 MA's), (138, 17015), (188, 17135), (190, 17141), (234, 17207), (241, 17219), (272, 17276), (278, 17285), (296, 17321), (302, 17330), (311, 17351), (353, 17435), (388, 17510), (398, 17531), (465, 17654), (476, 17687),

Gene: BaxterFox_17 Start: 16279, Stop: 17106, Start Num: 103
Candidate Starts for BaxterFox_17:
(Start: 103 @16279 has 37 MA's), (138, 16354), (188, 16474), (190, 16480), (234, 16546), (241, 16558), (272, 16615), (278, 16624), (296, 16660), (302, 16669), (311, 16690), (353, 16774), (388, 16849), (398, 16870), (465, 16993), (476, 17026),

Gene: Beelzebub_53 Start: 26710, Stop: 27672, Start Num: 77
Candidate Starts for Beelzebub_53:
(Start: 77 @26710 has 20 MA's), (147, 26842), (157, 26866), (161, 26875), (163, 26881), (166, 26890), (175, 26914), (178, 26923), (184, 26935), (251, 27061), (294, 27142), (301, 27157), (303, 27163), (349, 27271), (422, 27397), (426, 27403), (486, 27553), (489, 27559), (497, 27571), (499, 27574), (518, 27661), (520, 27664), (521, 27667),

Gene: Beenie_19 Start: 16864, Stop: 17706, Start Num: 97
Candidate Starts for Beenie_19:
(Start: 97 @16864 has 19 MA's), (Start: 103 @16873 has 37 MA's), (123, 16915), (138, 16948), (146, 16963), (166, 17011), (185, 17059), (190, 17074), (193, 17080), (219, 17119), (255, 17173), (275, 17212), (278, 17218), (296, 17254), (311, 17284), (315, 17293), (388, 17449), (476, 17626),

Gene: Beezoo_22 Start: 16027, Stop: 17163, Start Num: 19
Candidate Starts for Beezoo_22:
(Start: 19 @16027 has 250 MA's), (50, 16144), (107, 16234), (118, 16255), (126, 16276), (138, 16303), (262, 16558), (305, 16639), (342, 16714), (346, 16729), (408, 16840), (431, 16882), (463, 16975), (471, 16999), (511, 17092), (516, 17131), (520, 17149),

Gene: Begonia_19 Start: 16271, Stop: 17131, Start Num: 88
Candidate Starts for Begonia_19:
(Start: 83 @16265 has 18 MA's), (Start: 88 @16271 has 25 MA's), (166, 16427), (199, 16508), (259, 16607), (313, 16715), (351, 16799), (385, 16871), (460, 17000), (474, 17042),

Gene: Bella96_22 Start: 15947, Stop: 17083, Start Num: 19
Candidate Starts for Bella96_22:
(Start: 19 @15947 has 250 MA's), (50, 16064), (107, 16154), (118, 16175), (126, 16196), (138, 16223), (229, 16424), (262, 16478), (305, 16559), (342, 16634), (346, 16649), (431, 16802), (463, 16895), (471, 16919), (511, 17012), (516, 17051), (520, 17069),

Gene: Belladonna_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Belladonna_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Bern_22 Start: 15975, Stop: 17111, Start Num: 19

Candidate Starts for Bern_22:
(Start: 19 @15975 has 250 MA's), (50, 16092), (118, 16203), (126, 16224), (138, 16251), (229, 16452), (262, 16506), (305, 16587), (342, 16662), (346, 16677), (408, 16788), (431, 16830), (463, 16923), (471, 16947), (511, 17040), (516, 17079), (520, 17097),

Gene: Bernal13_18 Start: 16018, Stop: 16983, Start Num: 70
Candidate Starts for Bernal13_18:
(Start: 70 @16018 has 8 MA's), (Start: 88 @16045 has 25 MA's), (Start: 98 @16063 has 1 MA's), (181, 16240), (182, 16243), (225, 16318), (256, 16384), (269, 16411), (298, 16468), (303, 16477), (424, 16714), (434, 16738), (469, 16837), (477, 16858), (487, 16879), (506, 16918), (509, 16927),

Gene: BetterKatz_21 Start: 16552, Stop: 17613, Start Num: 44
Candidate Starts for BetterKatz_21:
(Start: 44 @16552 has 18 MA's), (74, 16597), (93, 16627), (149, 16735), (212, 16885), (233, 16933), (279, 17017), (284, 17026), (306, 17068), (380, 17245), (399, 17278), (418, 17314), (499, 17509), (515, 17581), (516, 17584),

Gene: BiPauneto_43 Start: 28641, Stop: 29561, Start Num: 67
Candidate Starts for BiPauneto_43:
(Start: 67 @28641 has 9 MA's), (115, 28722), (134, 28767), (164, 28836), (246, 29004), (291, 29088), (314, 29139), (337, 29172), (433, 29370), (439, 29388), (460, 29430), (496, 29520), (500, 29526), (507, 29547),

Gene: Bialota_18 Start: 16952, Stop: 17779, Start Num: 103
Candidate Starts for Bialota_18:
(Start: 103 @16952 has 37 MA's), (127, 17006), (140, 17033), (188, 17147), (190, 17153), (197, 17168), (275, 17291), (296, 17333), (302, 17342), (353, 17447), (388, 17522), (398, 17543), (465, 17666), (476, 17699),

Gene: Biglebops_18 Start: 15554, Stop: 16696, Start Num: 19
Candidate Starts for Biglebops_18:
(Start: 19 @15554 has 250 MA's), (50, 15677), (107, 15767), (138, 15836), (178, 15935), (180, 15938), (229, 16037), (305, 16172), (408, 16373), (431, 16415), (432, 16418), (463, 16508), (471, 16532), (511, 16625), (516, 16664), (520, 16682),

Gene: Bimmel_60 Start: 37721, Stop: 38719, Start Num: 37
Candidate Starts for Bimmel_60:
(Start: 37 @37721 has 5 MA's), (41, 37733), (91, 37814), (127, 37889), (139, 37916), (175, 38003), (224, 38102), (257, 38162), (292, 38231), (309, 38267), (349, 38327), (355, 38345), (357, 38348), (432, 38504), (451, 38555), (483, 38651), (484, 38654),

Gene: Bipper_23 Start: 18745, Stop: 19743, Start Num: 34
Candidate Starts for Bipper_23:
(Start: 34 @18745 has 7 MA's), (75, 18811), (80, 18820), (118, 18883), (125, 18901), (127, 18907), (178, 19030), (194, 19057), (196, 19060), (210, 19081), (268, 19183), (273, 19192), (288, 19219), (320, 19294), (350, 19336), (360, 19363), (391, 19408), (408, 19432), (409, 19435), (433, 19477), (451, 19525), (453, 19534), (467, 19576), (471, 19588), (503, 19645), (516, 19714),

Gene: Blackbeetle_49 Start: 25756, Stop: 26718, Start Num: 77
Candidate Starts for Blackbeetle_49:
(Start: 77 @25756 has 20 MA's), (147, 25888), (157, 25912), (161, 25921), (163, 25927), (166, 25936), (175, 25960), (178, 25969), (184, 25981), (189, 25993), (251, 26107), (294, 26188), (301, 26203), (303, 26209), (349, 26317), (422, 26443), (426, 26449), (486, 26599), (489, 26605), (497, 26617),

(499, 26620), (518, 26707), (520, 26710), (521, 26713),

Gene: BlingBling_18 Start: 15793, Stop: 16653, Start Num: 88
Candidate Starts for BlingBling_18:
(Start: 83 @15787 has 18 MA's), (Start: 88 @15793 has 25 MA's), (166, 15949), (199, 16030), (259, 16129), (313, 16237), (351, 16321), (385, 16393), (460, 16522), (468, 16549), (474, 16564),

Gene: Blino_18 Start: 15761, Stop: 16621, Start Num: 88
Candidate Starts for Blino_18:
(Start: 83 @15755 has 18 MA's), (Start: 88 @15761 has 25 MA's), (166, 15917), (199, 15998), (259, 16097), (313, 16205), (351, 16289), (381, 16355), (385, 16361), (460, 16490), (474, 16532),

Gene: Blizzard_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Blizzard_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: BloominB_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for BloominB_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: BlueNGold_99 Start: 59080, Stop: 60015, Start Num: 76
Candidate Starts for BlueNGold_99:
(Start: 76 @59080 has 5 MA's), (Start: 87 @59095 has 1 MA's), (90, 59101), (94, 59107), (152, 59224), (154, 59227), (171, 59278), (186, 59314), (255, 59449), (279, 59485), (295, 59515), (413, 59767), (433, 59812), (446, 59842), (449, 59848), (459, 59875), (471, 59914), (502, 59983),

Gene: Blueberry_20 Start: 16105, Stop: 16965, Start Num: 85
Candidate Starts for Blueberry_20:
(Start: 85 @16105 has 15 MA's), (Start: 98 @16120 has 1 MA's), (151, 16222), (166, 16261), (199, 16342), (250, 16426), (259, 16441), (313, 16549), (351, 16633), (381, 16699), (385, 16705), (410, 16744), (460, 16834), (474, 16876),

Gene: Bobquesha_24 Start: 17234, Stop: 18367, Start Num: 19
Candidate Starts for Bobquesha_24:
(Start: 19 @17234 has 250 MA's), (23, 17252), (35, 17324), (50, 17354), (107, 17444), (112, 17453), (126, 17486), (136, 17510), (180, 17615), (262, 17768), (302, 17837), (304, 17843), (371, 17996), (389, 18014), (408, 18044), (431, 18086), (432, 18089), (507, 18281), (511, 18296), (516, 18335), (520, 18353),

Gene: Bock_21 Start: 16302, Stop: 17363, Start Num: 44
Candidate Starts for Bock_21:
(Start: 44 @16302 has 18 MA's), (74, 16347), (93, 16377), (140, 16470), (149, 16485), (212, 16635), (233, 16683), (279, 16767), (284, 16776), (306, 16818), (380, 16995), (399, 17028), (418, 17064), (499, 17259), (515, 17331), (516, 17334),

Gene: Boiiii_22 Start: 16053, Stop: 17189, Start Num: 19
Candidate Starts for Boiiii_22:

(Start: 19 @16053 has 250 MA's), (50, 16170), (107, 16260), (118, 16281), (126, 16302), (138, 16329), (262, 16584), (305, 16665), (342, 16740), (346, 16755), (408, 16866), (431, 16908), (463, 17001), (471, 17025), (511, 17118), (516, 17157), (520, 17175),

Gene: Boilgate_19 Start: 16429, Stop: 17568, Start Num: 17
Candidate Starts for Boilgate_19:
(Start: 17 @16429 has 1 MA's), (23, 16453), (35, 16525), (50, 16555), (55, 16561), (Start: 89 @16618 has 3 MA's), (125, 16684), (126, 16687), (136, 16711), (146, 16729), (162, 16768), (176, 16807), (178, 16813), (193, 16846), (229, 16915), (262, 16969), (289, 17017), (299, 17035), (302, 17038), (304, 17044), (391, 17221), (408, 17245), (431, 17287), (432, 17290), (445, 17320), (451, 17341), (463, 17380), (467, 17392), (468, 17395), (507, 17482), (511, 17497), (516, 17536), (520, 17554),

Gene: Bonum_43 Start: 29225, Stop: 30142, Start Num: 64
Candidate Starts for Bonum_43:
(Start: 64 @29225 has 6 MA's), (115, 29306), (Start: 131 @29342 has 1 MA's), (190, 29489), (314, 29723), (335, 29750), (353, 29801), (397, 29894), (460, 30011), (500, 30107), (503, 30113), (507, 30128),

Gene: Boopy_100 Start: 59092, Stop: 60027, Start Num: 76
Candidate Starts for Boopy_100:
(Start: 76 @59092 has 5 MA's), (Start: 87 @59107 has 1 MA's), (90, 59113), (94, 59119), (152, 59236), (154, 59239), (171, 59290), (186, 59326), (255, 59461), (279, 59497), (295, 59527), (413, 59779), (433, 59824), (446, 59854), (449, 59860), (459, 59887), (471, 59926), (502, 59995),

Gene: BoostSeason_18 Start: 13915, Stop: 15042, Start Num: 21
Candidate Starts for BoostSeason_18:
(Start: 21 @13915 has 36 MA's), (23, 13924), (50, 14026), (107, 14116), (126, 14158), (138, 14185), (176, 14278), (178, 14284), (210, 14347), (229, 14386), (262, 14440), (304, 14518), (325, 14569), (340, 14593), (371, 14671), (389, 14689), (408, 14719), (431, 14761), (432, 14764), (471, 14878), (507, 14956), (511, 14971), (516, 15010), (520, 15028),

Gene: Bosnia_18 Start: 16940, Stop: 17767, Start Num: 103
Candidate Starts for Bosnia_18:
(Start: 103 @16940 has 37 MA's), (138, 17015), (188, 17135), (190, 17141), (234, 17207), (241, 17219), (272, 17276), (278, 17285), (296, 17321), (302, 17330), (311, 17351), (353, 17435), (388, 17510), (398, 17531), (465, 17654), (476, 17687),

Gene: BoyNamedSue_18 Start: 16952, Stop: 17779, Start Num: 103
Candidate Starts for BoyNamedSue_18:
(Start: 103 @16952 has 37 MA's), (119, 16985), (127, 17006), (140, 17033), (188, 17147), (190, 17153), (197, 17168), (275, 17291), (296, 17333), (302, 17342), (353, 17447), (388, 17522), (398, 17543), (465, 17666), (476, 17699),

Gene: Braxoaddie_44 Start: 30405, Stop: 31331, Start Num: 62
Candidate Starts for Braxoaddie_44:
(Start: 62 @30405 has 5 MA's), (Start: 89 @30441 has 3 MA's), (149, 30558), (164, 30597), (170, 30615), (190, 30666), (246, 30765), (287, 30840), (291, 30849), (325, 30924), (337, 30945), (397, 31083), (421, 31119), (438, 31158), (460, 31200), (482, 31263), (500, 31296),

Gene: BruceB_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for BruceB_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178,

15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: BruceLethal_15 Start: 11290, Stop: 12237, Start Num: 60
Candidate Starts for BruceLethal_15:
(53, 11275), (Start: 57 @11281 has 8 MA's), (Start: 60 @11290 has 44 MA's), (78, 11323), (Start: 89 @11341 has 3 MA's), (91, 11344), (Start: 95 @11350 has 9 MA's), (108, 11374), (112, 11383), (125, 11413), (133, 11431), (136, 11440), (158, 11485), (168, 11515), (173, 11530), (178, 11542), (181, 11548), (205, 11596), (218, 11614), (229, 11641), (231, 11650), (235, 11656), (251, 11683), (262, 11707), (288, 11758), (293, 11767), (321, 11830), (329, 11842), (348, 11884), (349, 11887), (350, 11890), (370, 11941), (384, 11956), (393, 11977), (402, 11992), (411, 12007), (413, 12013), (449, 12085), (450, 12088), (453, 12106), (454, 12109), (459, 12118), (474, 12166), (477, 12178), (482, 12187), (488, 12202), (491, 12208), (501, 12223),

Gene: BrutonGaster_35 Start: 25054, Stop: 25935, Start Num: 58
Candidate Starts for BrutonGaster_35:
(38, 25015), (Start: 48 @25036 has 1 MA's), (Start: 58 @25054 has 12 MA's), (Start: 88 @25102 has 25 MA's), (139, 25201), (210, 25333), (273, 25444), (304, 25498), (314, 25522), (319, 25537), (371, 25633), (408, 25681), (422, 25699), (476, 25846), (500, 25894), (502, 25897),

Gene: Bryler_21 Start: 15211, Stop: 16350, Start Num: 19
Candidate Starts for Bryler_21:
(Start: 19 @15211 has 250 MA's), (50, 15331), (107, 15421), (138, 15490), (229, 15691), (346, 15916), (369, 15976), (389, 15997), (431, 16069), (432, 16072), (433, 16075), (463, 16162), (471, 16186), (507, 16264), (511, 16279), (516, 16318), (520, 16336),

Gene: Brylie_21 Start: 16293, Stop: 17354, Start Num: 44
Candidate Starts for Brylie_21:
(Start: 44 @16293 has 18 MA's), (74, 16338), (93, 16368), (149, 16476), (212, 16626), (233, 16674), (279, 16758), (284, 16767), (306, 16809), (380, 16986), (399, 17019), (418, 17055), (499, 17250), (515, 17322), (516, 17325),

Gene: Buggaboo_41 Start: 29704, Stop: 30621, Start Num: 64
Candidate Starts for Buggaboo_41:
(Start: 64 @29704 has 6 MA's), (115, 29785), (Start: 131 @29821 has 1 MA's), (168, 29911), (190, 29968), (314, 30202), (335, 30229), (353, 30280), (397, 30373), (460, 30490), (500, 30586), (503, 30592), (507, 30607),

Gene: Bunnybear_17 Start: 16957, Stop: 17784, Start Num: 103
Candidate Starts for Bunnybear_17:
(Start: 103 @16957 has 37 MA's), (188, 17152), (190, 17158), (197, 17173), (241, 17236), (272, 17293), (278, 17302), (296, 17338), (302, 17347), (353, 17452), (476, 17704),

Gene: C3PO_30 Start: 27616, Stop: 28482, Start Num: 56
Candidate Starts for C3PO_30:
(Start: 56 @27616 has 19 MA's), (68, 27640), (96, 27685), (125, 27745), (142, 27784), (181, 27880), (266, 28042), (283, 28075), (335, 28150), (344, 28174), (410, 28249), (443, 28315), (460, 28351), (468, 28378), (492, 28435),

Gene: CLED96_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for CLED96_17:

(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: CREW_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for CREW_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Cain_21 Start: 15199, Stop: 16338, Start Num: 19
Candidate Starts for Cain_21:
(Start: 19 @15199 has 250 MA's), (50, 15319), (107, 15409), (138, 15478), (229, 15679), (346, 15904), (369, 15964), (389, 15985), (431, 16057), (432, 16060), (433, 16063), (463, 16150), (471, 16174), (507, 16252), (511, 16267), (516, 16306), (520, 16324),

Gene: CallaLilly_22 Start: 15974, Stop: 17110, Start Num: 19
Candidate Starts for CallaLilly_22:
(Start: 19 @15974 has 250 MA's), (50, 16091), (107, 16181), (118, 16202), (126, 16223), (138, 16250), (262, 16505), (305, 16586), (342, 16661), (346, 16676), (408, 16787), (431, 16829), (463, 16922), (471, 16946), (511, 17039), (516, 17078), (520, 17096),

Gene: Cambiare_18 Start: 16198, Stop: 17379, Start Num: 20
Candidate Starts for Cambiare_18:
(Start: 20 @16198 has 2 MA's), (50, 16327), (Start: 62 @16345 has 5 MA's), (93, 16396), (107, 16420), (126, 16462), (127, 16465), (136, 16486), (140, 16495), (158, 16531), (170, 16567), (172, 16573), (180, 16591), (207, 16642), (282, 16777), (309, 16831), (339, 16891), (408, 17056), (431, 17098), (459, 17176), (499, 17272), (502, 17275), (514, 17341),

Gene: Camri_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Camri_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Caprice_48 Start: 25826, Stop: 26788, Start Num: 77
Candidate Starts for Caprice_48:
(Start: 77 @25826 has 20 MA's), (147, 25958), (157, 25982), (161, 25991), (163, 25997), (166, 26006), (175, 26030), (178, 26039), (184, 26051), (251, 26177), (294, 26258), (301, 26273), (303, 26279), (349, 26387), (422, 26513), (426, 26519), (453, 26594), (486, 26669), (489, 26675), (497, 26687), (499, 26690), (518, 26777), (520, 26780), (521, 26783),

Gene: Capricorn_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Capricorn_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: CaptainKirk2_18 Start: 15817, Stop: 16677, Start Num: 88

Candidate Starts for CaptainKirk2_18:
(Start: 83 @15811 has 18 MA's), (Start: 88 @15817 has 25 MA's), (166, 15973), (199, 16054), (259, 16153), (313, 16261), (351, 16345), (381, 16411), (410, 16456), (460, 16546), (474, 16588),

Gene: Cardigan_45 Start: 29891, Stop: 30787, Start Num: 46
Candidate Starts for Cardigan_45:
(Start: 46 @29891 has 3 MA's), (107, 29978), (136, 30044), (144, 30059), (243, 30236), (273, 30293), (304, 30347), (314, 30371), (364, 30470), (371, 30488), (408, 30536), (422, 30554), (433, 30578), (500, 30746),

Gene: CarolAnn_18 Start: 15760, Stop: 16620, Start Num: 88
Candidate Starts for CarolAnn_18:
(Start: 83 @15754 has 18 MA's), (Start: 88 @15760 has 25 MA's), (166, 15916), (199, 15997), (259, 16096), (313, 16204), (351, 16288), (381, 16354), (385, 16360), (460, 16489), (474, 16531),

Gene: Caron_15 Start: 12326, Stop: 13192, Start Num: 83
Candidate Starts for Caron_15:
(Start: 83 @12326 has 18 MA's), (Start: 97 @12347 has 19 MA's), (148, 12452), (178, 12530), (296, 12737), (351, 12839), (451, 13028), (462, 13064), (483, 13124), (505, 13175),

Gene: CaseJules_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for CaseJules_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: CassieYates_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for CassieYates_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Catfish_21 Start: 17616, Stop: 18467, Start Num: 99
Candidate Starts for Catfish_21:
(Start: 99 @17616 has 6 MA's), (Start: 101 @17619 has 5 MA's), (113, 17640), (129, 17676), (146, 17709), (174, 17778), (192, 17823), (212, 17853), (278, 17988), (293, 18015), (304, 18039), (313, 18060), (366, 18180), (404, 18246), (409, 18252), (493, 18447),

Gene: Cedasite_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Cedasite_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Cen1621_15 Start: 11346, Stop: 12224, Start Num: 82
Candidate Starts for Cen1621_15:
(Start: 82 @11346 has 2 MA's), (130, 11436), (208, 11619), (378, 11919), (483, 12156), (508, 12216),

Gene: Chance64_17 Start: 15477, Stop: 16649, Start Num: 19

Candidate Starts for Chance64_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Chancellor_23 Start: 17500, Stop: 18633, Start Num: 19
Candidate Starts for Chancellor_23:
(Start: 19 @17500 has 250 MA's), (23, 17518), (35, 17590), (50, 17620), (107, 17710), (126, 17752), (136, 17776), (180, 17881), (262, 18034), (302, 18103), (304, 18109), (371, 18262), (389, 18280), (408, 18310), (431, 18352), (432, 18355), (511, 18562), (516, 18601), (520, 18619),

Gene: Chavito_22 Start: 15385, Stop: 16524, Start Num: 19
Candidate Starts for Chavito_22:
(Start: 19 @15385 has 250 MA's), (50, 15505), (107, 15595), (138, 15664), (178, 15763), (180, 15766), (229, 15865), (262, 15919), (305, 16000), (342, 16075), (346, 16090), (408, 16201), (431, 16243), (451, 16297), (463, 16336), (471, 16360), (502, 16420), (507, 16438), (511, 16453), (516, 16492), (520, 16510),

Gene: CheeseSpider_20 Start: 16159, Stop: 17019, Start Num: 88
Candidate Starts for CheeseSpider_20:
(Start: 83 @16153 has 18 MA's), (Start: 88 @16159 has 25 MA's), (166, 16315), (169, 16324), (199, 16396), (259, 16495), (313, 16603), (351, 16687), (381, 16753), (460, 16888), (474, 16930),

Gene: CheetoDust_22 Start: 16028, Stop: 17164, Start Num: 19
Candidate Starts for CheetoDust_22:
(Start: 19 @16028 has 250 MA's), (50, 16145), (107, 16235), (118, 16256), (126, 16277), (138, 16304), (262, 16559), (305, 16640), (342, 16715), (346, 16730), (408, 16841), (431, 16883), (463, 16976), (471, 17000), (511, 17093), (516, 17132), (520, 17150),

Gene: Cheetobro_23 Start: 17497, Stop: 18630, Start Num: 19
Candidate Starts for Cheetobro_23:
(Start: 19 @17497 has 250 MA's), (23, 17515), (35, 17587), (50, 17617), (107, 17707), (126, 17749), (136, 17773), (180, 17878), (262, 18031), (302, 18100), (304, 18106), (371, 18259), (389, 18277), (408, 18307), (431, 18349), (432, 18352), (511, 18559), (516, 18598), (520, 18616),

Gene: Cherrybomb426_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Cherrybomb426_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: ChewyVIII_55 Start: 37234, Stop: 38175, Start Num: 61
Candidate Starts for ChewyVIII_55:
(Start: 61 @37234 has 1 MA's), (121, 37336), (170, 37456), (178, 37477), (190, 37507), (213, 37546), (250, 37612), (307, 37726), (352, 37828), (364, 37855), (460, 38038), (475, 38086), (490, 38125), (494, 38131),

Gene: Chivey_29 Start: 16948, Stop: 17838, Start Num: 84
Candidate Starts for Chivey_29:

(Start: 84 @16948 has 37 MA's), (188, 17176), (200, 17203), (239, 17272), (253, 17296), (271, 17329), (353, 17485), (368, 17518), (386, 17551), (418, 17608), (444, 17659), (475, 17749), (487, 17779), (508, 17830), (510, 17833),

Gene: Chop_21 Start: 16827, Stop: 17888, Start Num: 44
Candidate Starts for Chop_21:
(Start: 44 @16827 has 18 MA's), (74, 16872), (93, 16902), (149, 17010), (212, 17160), (233, 17208), (279, 17292), (284, 17301), (306, 17343), (380, 17520), (418, 17589), (480, 17751), (499, 17784), (515, 17856), (516, 17859),

Gene: Chris_21 Start: 15243, Stop: 16379, Start Num: 19
Candidate Starts for Chris_21:
(Start: 19 @15243 has 250 MA's), (50, 15360), (Start: 62 @15378 has 5 MA's), (118, 15471), (138, 15519), (229, 15720), (288, 15819), (297, 15840), (340, 15927), (346, 15945), (371, 16008), (391, 16032), (408, 16056), (431, 16098), (432, 16101), (451, 16152), (463, 16191), (511, 16308), (513, 16335), (516, 16347), (520, 16365),

Gene: Clark_19 Start: 16513, Stop: 17349, Start Num: 97
Candidate Starts for Clark_19:
(Start: 97 @16513 has 19 MA's), (Start: 103 @16522 has 37 MA's), (123, 16564), (138, 16597), (146, 16612), (190, 16723), (193, 16729), (219, 16768), (255, 16822), (275, 16861), (296, 16903), (311, 16933), (315, 16942), (388, 17092), (436, 17182), (476, 17269),

Gene: Clarkson_50 Start: 26438, Stop: 27400, Start Num: 77
Candidate Starts for Clarkson_50:
(Start: 77 @26438 has 20 MA's), (147, 26570), (157, 26594), (161, 26603), (163, 26609), (166, 26618), (175, 26642), (178, 26651), (184, 26663), (189, 26675), (251, 26789), (294, 26870), (301, 26885), (303, 26891), (349, 26999), (422, 27125), (426, 27131), (453, 27206), (486, 27281), (489, 27287), (497, 27299), (499, 27302), (518, 27389), (520, 27392), (521, 27395),

Gene: Clipper_22 Start: 16028, Stop: 17164, Start Num: 19
Candidate Starts for Clipper_22:
(Start: 19 @16028 has 250 MA's), (50, 16145), (107, 16235), (118, 16256), (126, 16277), (138, 16304), (262, 16559), (305, 16640), (342, 16715), (346, 16730), (408, 16841), (431, 16883), (463, 16976), (471, 17000), (511, 17093), (516, 17132), (520, 17150),

Gene: Cloudyecho_17 Start: 15656, Stop: 16834, Start Num: 19
Candidate Starts for Cloudyecho_17:
(4, 15257), (5, 15317), (Start: 19 @15656 has 250 MA's), (Start: 62 @15800 has 5 MA's), (93, 15851), (126, 15917), (127, 15920), (140, 15950), (170, 16022), (202, 16091), (207, 16097), (282, 16232), (309, 16286), (339, 16346), (376, 16454), (408, 16511), (431, 16553), (499, 16727), (502, 16730), (511, 16763), (514, 16796),

Gene: ClubL_47 Start: 28631, Stop: 29512, Start Num: 58
Candidate Starts for ClubL_47:
(Start: 58 @28631 has 12 MA's), (Start: 88 @28679 has 25 MA's), (107, 28706), (139, 28778), (167, 28844), (178, 28874), (252, 28982), (304, 29075), (314, 29099), (319, 29114), (371, 29210), (408, 29258), (483, 29438), (502, 29474),

Gene: CoffeeBean_44 Start: 30363, Stop: 31289, Start Num: 62
Candidate Starts for CoffeeBean_44:
(Start: 62 @30363 has 5 MA's), (Start: 89 @30399 has 3 MA's), (149, 30516), (164, 30555), (170, 30573), (190, 30624), (246, 30723), (287, 30798), (291, 30807), (325, 30882), (337, 30903), (397,

31041), (421, 31077), (438, 31116), (460, 31158), (482, 31221), (500, 31254),

Gene: Coleslaw_17 Start: 15468, Stop: 16640, Start Num: 19
Candidate Starts for Coleslaw_17:
(5, 15135), (Start: 19 @15468 has 250 MA's), (50, 15588), (Start: 62 @15606 has 5 MA's), (Start: 89 @15651 has 3 MA's), (93, 15657), (125, 15720), (140, 15756), (169, 15825), (170, 15828), (178, 15849), (207, 15903), (229, 15948), (251, 15978), (304, 16080), (309, 16092), (314, 16104), (320, 16122), (389, 16287), (408, 16317), (418, 16335), (431, 16359), (473, 16479), (511, 16569), (514, 16602),

Gene: Collard_20 Start: 16380, Stop: 17510, Start Num: 21
Candidate Starts for Collard_20:
(Start: 21 @16380 has 36 MA's), (Start: 89 @16554 has 3 MA's), (125, 16620), (126, 16623), (138, 16650), (178, 16749), (229, 16851), (262, 16905), (280, 16935), (297, 16971), (299, 16974), (304, 16983), (340, 17058), (342, 17061), (353, 17097), (371, 17139), (389, 17157), (391, 17163), (408, 17187), (409, 17190), (431, 17229), (511, 17439), (516, 17478), (520, 17496),

Gene: Commandaria_42 Start: 30197, Stop: 31138, Start Num: 64
Candidate Starts for Commandaria_42:
(Start: 64 @30197 has 6 MA's), (115, 30284), (127, 30314), (149, 30359), (190, 30467), (291, 30650), (335, 30731), (337, 30737), (347, 30764), (451, 30980), (460, 31007), (500, 31103),

Gene: CoolCookie_30 Start: 17793, Stop: 18683, Start Num: 84
Candidate Starts for CoolCookie_30:
(Start: 84 @17793 has 37 MA's), (239, 18117), (253, 18141), (271, 18174), (353, 18330), (386, 18396), (444, 18504), (487, 18624), (508, 18675), (510, 18678),

Gene: Corazon_47 Start: 26391, Stop: 27353, Start Num: 77
Candidate Starts for Corazon_47:
(Start: 77 @26391 has 20 MA's), (147, 26523), (157, 26547), (161, 26556), (163, 26562), (166, 26571), (175, 26595), (178, 26604), (184, 26616), (189, 26628), (251, 26742), (294, 26823), (301, 26838), (303, 26844), (349, 26952), (422, 27078), (426, 27084), (453, 27159), (486, 27234), (489, 27240), (497, 27252), (499, 27255), (518, 27342), (520, 27345), (521, 27348),

Gene: Cota_15 Start: 11295, Stop: 12242, Start Num: 60
Candidate Starts for Cota_15:
(53, 11280), (Start: 57 @11286 has 8 MA's), (Start: 60 @11295 has 44 MA's), (78, 11328), (Start: 89 @11346 has 3 MA's), (91, 11349), (Start: 95 @11355 has 9 MA's), (108, 11379), (112, 11388), (125, 11418), (126, 11421), (127, 11424), (133, 11436), (139, 11451), (144, 11460), (158, 11490), (168, 11520), (173, 11535), (178, 11547), (180, 11550), (181, 11553), (205, 11601), (218, 11619), (231, 11655), (235, 11661), (251, 11688), (262, 11712), (274, 11739), (288, 11763), (293, 11772), (321, 11835), (348, 11889), (349, 11892), (350, 11895), (354, 11907), (370, 11946), (384, 11961), (388, 11970), (393, 11982), (402, 11997), (411, 12012), (413, 12018), (449, 12090), (450, 12093), (453, 12111), (454, 12114), (459, 12123), (474, 12171), (477, 12183), (482, 12192), (488, 12207), (491, 12213), (501, 12228),

Gene: Cracklewink_23 Start: 18745, Stop: 19743, Start Num: 34
Candidate Starts for Cracklewink_23:
(Start: 34 @18745 has 7 MA's), (75, 18811), (80, 18820), (118, 18883), (125, 18901), (127, 18907), (178, 19030), (194, 19057), (196, 19060), (210, 19081), (268, 19183), (273, 19192), (288, 19219), (320, 19294), (350, 19336), (360, 19363), (408, 19432), (409, 19435), (433, 19477), (451, 19525), (453, 19534), (467, 19576), (471, 19588), (503, 19645), (516, 19714),

Gene: Crespo_17 Start: 15478, Stop: 16650, Start Num: 19
Candidate Starts for Crespo_17:
(5, 15145), (Start: 19 @15478 has 250 MA's), (50, 15598), (Start: 62 @15616 has 5 MA's), (Start: 89 @15661 has 3 MA's), (93, 15667), (125, 15730), (140, 15766), (169, 15835), (170, 15838), (178, 15859), (207, 15913), (229, 15958), (251, 15988), (304, 16090), (309, 16102), (314, 16114), (320, 16132), (389, 16297), (408, 16327), (418, 16345), (431, 16369), (473, 16489), (511, 16579), (514, 16612),

Gene: Crestdrop_29 Start: 16857, Stop: 17747, Start Num: 84
Candidate Starts for Crestdrop_29:
(Start: 84 @16857 has 37 MA's), (200, 17112), (239, 17181), (253, 17205), (271, 17238), (368, 17427), (386, 17460), (418, 17517), (444, 17568), (475, 17658), (487, 17688), (508, 17739), (510, 17742),

Gene: CrimD_22 Start: 15989, Stop: 17125, Start Num: 19
Candidate Starts for CrimD_22:
(Start: 19 @15989 has 250 MA's), (50, 16106), (107, 16196), (118, 16217), (126, 16238), (138, 16265), (262, 16520), (305, 16601), (342, 16676), (346, 16691), (408, 16802), (431, 16844), (463, 16937), (471, 16961), (511, 17054), (516, 17093), (520, 17111),

Gene: Cruella_30 Start: 27616, Stop: 28482, Start Num: 56
Candidate Starts for Cruella_30:
(Start: 56 @27616 has 19 MA's), (68, 27640), (96, 27685), (125, 27745), (142, 27784), (181, 27880), (266, 28042), (283, 28075), (335, 28150), (344, 28174), (410, 28249), (443, 28315), (460, 28351), (468, 28378), (492, 28435),

Gene: Cucurbita_49 Start: 30001, Stop: 30882, Start Num: 58
Candidate Starts for Cucurbita_49:
(Start: 58 @30001 has 12 MA's), (Start: 88 @30049 has 25 MA's), (107, 30076), (139, 30148), (167, 30214), (178, 30244), (252, 30352), (304, 30445), (314, 30469), (319, 30484), (371, 30580), (408, 30628), (483, 30808), (502, 30844),

Gene: Culver_47 Start: 28434, Stop: 29321, Start Num: 56
Candidate Starts for Culver_47:
(Start: 56 @28434 has 19 MA's), (Start: 58 @28440 has 12 MA's), (Start: 88 @28488 has 25 MA's), (107, 28515), (139, 28587), (167, 28653), (178, 28683), (252, 28791), (304, 28884), (314, 28908), (319, 28923), (371, 29019), (408, 29067), (483, 29247), (502, 29283),

Gene: Curiosium_23 Start: 15737, Stop: 16873, Start Num: 19
Candidate Starts for Curiosium_23:
(Start: 19 @15737 has 250 MA's), (50, 15854), (118, 15965), (138, 16013), (262, 16268), (267, 16274), (305, 16349), (346, 16439), (408, 16550), (431, 16592), (463, 16685), (471, 16709), (511, 16802), (516, 16841), (520, 16859),

Gene: Cybele_30 Start: 17763, Stop: 18653, Start Num: 84
Candidate Starts for Cybele_30:
(Start: 84 @17763 has 37 MA's), (239, 18087), (253, 18111), (271, 18144), (353, 18300), (444, 18474), (487, 18594), (508, 18645), (510, 18648),

Gene: DMoney_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for DMoney_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320,

16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: DNAIII_0017 Start: 15486, Stop: 16658, Start Num: 19
Candidate Starts for DNAIII_0017:
(5, 15153), (Start: 19 @15486 has 250 MA's), (50, 15606), (Start: 62 @15624 has 5 MA's), (Start: 89 @15669 has 3 MA's), (93, 15675), (125, 15738), (140, 15774), (169, 15843), (170, 15846), (178, 15867), (207, 15921), (229, 15966), (251, 15996), (304, 16098), (309, 16110), (314, 16122), (320, 16140), (389, 16305), (408, 16335), (418, 16353), (431, 16377), (473, 16497), (511, 16587), (514, 16620),

Gene: Dadosky_20 Start: 16302, Stop: 17432, Start Num: 21
Candidate Starts for Dadosky_20:
(Start: 21 @16302 has 36 MA's), (Start: 89 @16476 has 3 MA's), (125, 16542), (138, 16572), (178, 16671), (229, 16773), (262, 16827), (280, 16857), (297, 16893), (299, 16896), (304, 16905), (340, 16980), (342, 16983), (348, 17004), (353, 17019), (371, 17061), (389, 17079), (391, 17085), (408, 17109), (409, 17112), (431, 17151), (466, 17253), (511, 17361), (516, 17400), (520, 17418),

Gene: Daegal_22 Start: 16606, Stop: 17700, Start Num: 39
Candidate Starts for Daegal_22:
(Start: 39 @16606 has 24 MA's), (42, 16615), (107, 16711), (112, 16720), (117, 16729), (138, 16780), (140, 16786), (181, 16882), (189, 16900), (222, 16969), (227, 16978), (233, 16999), (236, 17005), (242, 17011), (244, 17014), (279, 17086), (281, 17089), (351, 17245), (373, 17296), (377, 17314), (416, 17386), (422, 17404), (454, 17488), (463, 17515), (464, 17518), (477, 17554), (485, 17572), (507, 17614), (511, 17629), (512, 17632), (514, 17662), (516, 17668),

Gene: Dalilpop_45 Start: 31200, Stop: 32117, Start Num: 63
Candidate Starts for Dalilpop_45:
(2, 30261), (Start: 63 @31200 has 28 MA's), (115, 31278), (178, 31431), (246, 31560), (280, 31623), (337, 31731), (460, 31986), (487, 32061), (500, 32082),

Gene: Dalmuri_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Dalmuri_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: DanSyl44_24 Start: 17503, Stop: 18636, Start Num: 19
Candidate Starts for DanSyl44_24:
(Start: 19 @17503 has 250 MA's), (23, 17521), (35, 17593), (50, 17623), (107, 17713), (126, 17755), (136, 17779), (180, 17884), (262, 18037), (302, 18106), (304, 18112), (371, 18265), (389, 18283), (408, 18313), (431, 18355), (432, 18358), (507, 18550), (511, 18565), (516, 18604), (520, 18622),

Gene: DannyDe_29 Start: 16940, Stop: 17830, Start Num: 84
Candidate Starts for DannyDe_29:
(Start: 84 @16940 has 37 MA's), (188, 17168), (200, 17195), (239, 17264), (253, 17288), (271, 17321), (368, 17510), (386, 17543), (418, 17600), (444, 17651), (475, 17741), (487, 17771), (508, 17822), (510, 17825),

Gene: Dardanus_23 Start: 15835, Stop: 16677, Start Num: 99
Candidate Starts for Dardanus_23:
(Start: 99 @15835 has 6 MA's), (Start: 101 @15838 has 5 MA's), (111, 15850), (129, 15886), (144, 15916), (146, 15919), (166, 15967), (179, 16000), (203, 16051), (212, 16063), (220, 16075), (278,

16198), (299, 16240), (304, 16249), (311, 16267), (313, 16270), (336, 16318), (338, 16321), (347, 16342), (366, 16390), (388, 16426), (431, 16498), (432, 16501), (434, 16507), (466, 16597), (472, 16612), (488, 16648),

Gene: Daredevil_28 Start: 24544, Stop: 25425, Start Num: 56
Candidate Starts for Daredevil_28:
(Start: 56 @24544 has 19 MA's), (107, 24619), (135, 24682), (139, 24691), (144, 24700), (208, 24820), (245, 24880), (304, 24988), (371, 25123), (408, 25171), (448, 25246), (462, 25294), (479, 25342), (483, 25351),

Gene: Darionha_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Darionha_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: DartGoblin_22 Start: 15944, Stop: 17080, Start Num: 19
Candidate Starts for DartGoblin_22:
(Start: 19 @15944 has 250 MA's), (50, 16061), (107, 16151), (118, 16172), (126, 16193), (138, 16220), (229, 16421), (262, 16475), (305, 16556), (342, 16631), (346, 16646), (431, 16799), (463, 16892), (471, 16916), (511, 17009), (516, 17048), (520, 17066),

Gene: DarthP_21 Start: 16442, Stop: 17578, Start Num: 19
Candidate Starts for DarthP_21:
(Start: 19 @16442 has 250 MA's), (50, 16559), (Start: 62 @16577 has 5 MA's), (81, 16610), (107, 16649), (138, 16718), (178, 16817), (181, 16823), (229, 16919), (262, 16973), (297, 17039), (304, 17051), (371, 17207), (391, 17231), (431, 17297), (432, 17300), (433, 17303), (463, 17390), (511, 17507), (516, 17546), (520, 17564),

Gene: Dartin_22 Start: 15375, Stop: 16514, Start Num: 19
Candidate Starts for Dartin_22:
(Start: 19 @15375 has 250 MA's), (50, 15495), (107, 15585), (138, 15654), (178, 15753), (180, 15756), (229, 15855), (262, 15909), (305, 15990), (342, 16065), (346, 16080), (391, 16167), (408, 16191), (431, 16233), (432, 16236), (451, 16287), (463, 16326), (502, 16410), (507, 16428), (511, 16443), (516, 16482), (520, 16500),

Gene: Darwin_33 Start: 27301, Stop: 28167, Start Num: 56
Candidate Starts for Darwin_33:
(Start: 56 @27301 has 19 MA's), (68, 27325), (96, 27370), (125, 27430), (142, 27469), (181, 27565), (266, 27727), (283, 27760), (335, 27835), (344, 27859), (443, 28000), (460, 28036), (468, 28063), (492, 28120),

Gene: DatBoi_30 Start: 26971, Stop: 27855, Start Num: 56
Candidate Starts for DatBoi_30:
(Start: 56 @26971 has 19 MA's), (Start: 67 @26992 has 9 MA's), (107, 27046), (208, 27247), (237, 27298), (245, 27307), (262, 27343), (304, 27415), (306, 27421), (371, 27550), (408, 27598), (448, 27673), (462, 27721),

Gene: Dauntless_29 Start: 17500, Stop: 18390, Start Num: 84
Candidate Starts for Dauntless_29:

(Start: 84 @17500 has 37 MA's), (200, 17755), (239, 17824), (253, 17848), (271, 17881), (353, 18037), (368, 18070), (418, 18160), (444, 18211), (475, 18301), (487, 18331), (496, 18349), (508, 18382), (510, 18385),

Gene: Deby_22 Start: 15985, Stop: 17121, Start Num: 19
Candidate Starts for Deby_22:
(Start: 19 @15985 has 250 MA's), (50, 16102), (107, 16192), (118, 16213), (126, 16234), (138, 16261), (262, 16516), (305, 16597), (342, 16672), (346, 16687), (408, 16798), (431, 16840), (463, 16933), (471, 16957), (511, 17050), (516, 17089), (520, 17107),

Gene: DeepSoil15_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for DeepSoil15_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: DelRio_22 Start: 17301, Stop: 18362, Start Num: 44
Candidate Starts for DelRio_22:
(Start: 44 @17301 has 18 MA's), (74, 17346), (93, 17376), (149, 17484), (212, 17634), (233, 17682), (279, 17766), (284, 17775), (306, 17817), (380, 17994), (418, 18063), (499, 18258), (515, 18330), (516, 18333),

Gene: Delian_18 Start: 15817, Stop: 16677, Start Num: 88
Candidate Starts for Delian_18:
(Start: 83 @15811 has 18 MA's), (Start: 88 @15817 has 25 MA's), (166, 15973), (199, 16054), (259, 16153), (313, 16261), (351, 16345), (381, 16411), (410, 16456), (460, 16546), (474, 16588),

Gene: Devera_22 Start: 16032, Stop: 17168, Start Num: 19
Candidate Starts for Devera_22:
(Start: 19 @16032 has 250 MA's), (50, 16149), (118, 16260), (126, 16281), (138, 16308), (180, 16410), (262, 16563), (305, 16644), (330, 16698), (342, 16719), (346, 16734), (408, 16845), (431, 16887), (463, 16980), (471, 17004), (511, 17097), (516, 17136), (520, 17154),

Gene: Dewey_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for Dewey_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: Dillpickles_19 Start: 16949, Stop: 17776, Start Num: 103
Candidate Starts for Dillpickles_19:
(Start: 103 @16949 has 37 MA's), (127, 17003), (140, 17030), (188, 17144), (190, 17150), (197, 17165), (275, 17288), (296, 17330), (302, 17339), (311, 17360), (353, 17444), (388, 17519), (465, 17663), (476, 17696),

Gene: DingDing_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for DingDing_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178,

15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: DinoDaryn_23 Start: 15864, Stop: 16697, Start Num: 99
Candidate Starts for DinoDaryn_23:
(Start: 99 @15864 has 6 MA's), (Start: 101 @15867 has 5 MA's), (116, 15882), (132, 15921), (144, 15942), (146, 15945), (212, 16089), (304, 16275), (347, 16362), (388, 16446), (434, 16527), (464, 16611), (466, 16617), (470, 16629), (472, 16632), (481, 16656),

Gene: DismalFunk_18 Start: 13889, Stop: 15016, Start Num: 21
Candidate Starts for DismalFunk_18:
(Start: 21 @13889 has 36 MA's), (23, 13898), (50, 14000), (107, 14090), (126, 14132), (127, 14135), (138, 14159), (178, 14258), (210, 14321), (229, 14360), (262, 14414), (297, 14480), (304, 14492), (325, 14543), (340, 14567), (371, 14645), (389, 14663), (408, 14693), (412, 14702), (431, 14735), (432, 14738), (471, 14852), (507, 14930), (511, 14945), (516, 14984), (520, 15002),

Gene: DismalStressor_18 Start: 13889, Stop: 15016, Start Num: 21
Candidate Starts for DismalStressor_18:
(Start: 21 @13889 has 36 MA's), (23, 13898), (50, 14000), (107, 14090), (126, 14132), (127, 14135), (138, 14159), (178, 14258), (210, 14321), (229, 14360), (262, 14414), (297, 14480), (304, 14492), (325, 14543), (340, 14567), (371, 14645), (389, 14663), (408, 14693), (412, 14702), (431, 14735), (432, 14738), (471, 14852), (507, 14930), (511, 14945), (516, 14984), (520, 15002),

Gene: DobbysSock_18 Start: 15996, Stop: 16823, Start Num: 103
Candidate Starts for DobbysSock_18:
(Start: 97 @15987 has 19 MA's), (Start: 103 @15996 has 37 MA's), (123, 16038), (138, 16071), (146, 16086), (166, 16134), (190, 16197), (193, 16203), (219, 16242), (255, 16296), (275, 16335), (278, 16341), (296, 16377), (311, 16407), (315, 16416), (388, 16566), (436, 16656), (476, 16743),

Gene: Dogfish_20 Start: 17321, Stop: 18181, Start Num: 57
Candidate Starts for Dogfish_20:
(10, 17051), (Start: 57 @17321 has 8 MA's), (Start: 61 @17327 has 1 MA's), (Start: 82 @17363 has 2 MA's), (Start: 83 @17366 has 18 MA's), (164, 17528), (166, 17534), (171, 17549), (176, 17561), (243, 17657), (245, 17660), (249, 17669), (256, 17681), (262, 17696), (330, 17825), (390, 17921), (407, 17945), (422, 17966), (432, 17987), (448, 18017), (460, 18053), (477, 18107),

Gene: Dole_22 Start: 16034, Stop: 17170, Start Num: 19
Candidate Starts for Dole_22:
(Start: 19 @16034 has 250 MA's), (50, 16151), (118, 16262), (126, 16283), (138, 16310), (180, 16412), (262, 16565), (305, 16646), (330, 16700), (342, 16721), (346, 16736), (408, 16847), (431, 16889), (463, 16982), (471, 17006), (511, 17099), (516, 17138), (520, 17156),

Gene: Dolores_19 Start: 16489, Stop: 17325, Start Num: 97
Candidate Starts for Dolores_19:
(Start: 97 @16489 has 19 MA's), (Start: 103 @16498 has 37 MA's), (123, 16540), (138, 16573), (146, 16588), (166, 16636), (190, 16699), (193, 16705), (219, 16744), (255, 16798), (275, 16837), (278, 16843), (296, 16879), (311, 16909), (315, 16918), (388, 17068), (476, 17245),

Gene: Dorito_18 Start: 15989, Stop: 16825, Start Num: 97
Candidate Starts for Dorito_18:
(Start: 97 @15989 has 19 MA's), (Start: 103 @15998 has 37 MA's), (123, 16040), (138, 16073), (146, 16088), (190, 16199), (193, 16205), (197, 16214), (219, 16244), (255, 16298), (275, 16337), (296,

16379), (311, 16409), (315, 16418), (388, 16568), (436, 16658), (476, 16745),

Gene: DoubleChamp_20 Start: 16380, Stop: 17510, Start Num: 21
Candidate Starts for DoubleChamp_20:
(Start: 21 @16380 has 36 MA's), (Start: 89 @16554 has 3 MA's), (125, 16620), (126, 16623), (138, 16650), (178, 16749), (229, 16851), (262, 16905), (280, 16935), (297, 16971), (299, 16974), (304, 16983), (340, 17058), (342, 17061), (353, 17097), (371, 17139), (389, 17157), (391, 17163), (408, 17187), (409, 17190), (431, 17229), (511, 17439), (516, 17478), (520, 17496),

Gene: Doughnut_18 Start: 13909, Stop: 15036, Start Num: 21
Candidate Starts for Doughnut_18:
(Start: 21 @13909 has 36 MA's), (23, 13918), (50, 14020), (107, 14110), (126, 14152), (138, 14179), (176, 14272), (178, 14278), (210, 14341), (229, 14380), (262, 14434), (304, 14512), (325, 14563), (340, 14587), (371, 14665), (389, 14683), (408, 14713), (431, 14755), (432, 14758), (471, 14872), (507, 14950), (511, 14965), (516, 15004), (520, 15022),

Gene: DrHayes_22 Start: 15965, Stop: 17101, Start Num: 19
Candidate Starts for DrHayes_22:
(Start: 19 @15965 has 250 MA's), (50, 16082), (107, 16172), (118, 16193), (126, 16214), (138, 16241), (229, 16442), (262, 16496), (267, 16502), (305, 16577), (342, 16652), (346, 16667), (431, 16820), (463, 16913), (471, 16937), (511, 17030), (516, 17069), (520, 17087),

Gene: DrParker_15 Start: 11327, Stop: 12268, Start Num: 60
Candidate Starts for DrParker_15:
(49, 11306), (Start: 57 @11318 has 8 MA's), (Start: 58 @11321 has 12 MA's), (Start: 60 @11327 has 44 MA's), (78, 11360), (Start: 89 @11378 has 3 MA's), (108, 11405), (112, 11414), (124, 11441), (125, 11444), (126, 11447), (127, 11450), (133, 11462), (136, 11471), (144, 11486), (158, 11516), (168, 11546), (173, 11561), (176, 11567), (178, 11573), (180, 11576), (181, 11579), (205, 11627), (218, 11645), (235, 11687), (251, 11714), (269, 11756), (274, 11765), (289, 11792), (293, 11798), (321, 11861), (329, 11873), (348, 11915), (349, 11918), (370, 11972), (384, 11987), (393, 12008), (402, 12023), (411, 12038), (413, 12044), (426, 12062), (453, 12137), (454, 12140), (459, 12149), (474, 12197), (477, 12209), (482, 12218), (488, 12233), (491, 12239), (501, 12254),

Gene: DumpsterDude_18 Start: 15153, Stop: 16214, Start Num: 44
Candidate Starts for DumpsterDude_18:
(Start: 44 @15153 has 18 MA's), (107, 15246), (126, 15288), (149, 15336), (180, 15414), (222, 15504), (233, 15534), (272, 15606), (277, 15615), (279, 15618), (284, 15627), (306, 15669), (351, 15768), (377, 15837), (499, 16110), (515, 16182), (516, 16185),

Gene: Durfee_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Durfee_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Dusty_46 Start: 28440, Stop: 29321, Start Num: 58
Candidate Starts for Dusty_46:
(Start: 56 @28434 has 19 MA's), (Start: 58 @28440 has 12 MA's), (Start: 88 @28488 has 25 MA's), (107, 28515), (139, 28587), (178, 28683), (252, 28791), (304, 28884), (314, 28908), (319, 28923), (371, 29019), (408, 29067), (483, 29247), (502, 29283),

Gene: ECartman_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for ECartman_17:

(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Easley_19 Start: 16499, Stop: 17335, Start Num: 97
Candidate Starts for Easley_19:
(Start: 97 @16499 has 19 MA's), (Start: 103 @16508 has 37 MA's), (123, 16550), (138, 16583), (146, 16598), (166, 16646), (190, 16709), (193, 16715), (219, 16754), (255, 16808), (275, 16847), (278, 16853), (296, 16889), (311, 16919), (315, 16928), (388, 17078), (436, 17168), (476, 17255),

Gene: Edugator_19 Start: 16302, Stop: 17432, Start Num: 21
Candidate Starts for Edugator_19:
(Start: 21 @16302 has 36 MA's), (Start: 89 @16476 has 3 MA's), (125, 16542), (138, 16572), (178, 16671), (229, 16773), (262, 16827), (280, 16857), (297, 16893), (299, 16896), (304, 16905), (340, 16980), (342, 16983), (353, 17019), (371, 17061), (389, 17079), (391, 17085), (408, 17109), (409, 17112), (431, 17151), (466, 17253), (511, 17361), (516, 17400), (520, 17418),

Gene: Efra2_22 Start: 15227, Stop: 16363, Start Num: 19
Candidate Starts for Efra2_22:
(Start: 19 @15227 has 250 MA's), (50, 15344), (107, 15434), (118, 15455), (138, 15503), (262, 15758), (305, 15839), (342, 15914), (346, 15929), (408, 16040), (431, 16082), (459, 16160), (463, 16175), (471, 16199), (511, 16292), (516, 16331), (520, 16349),

Gene: Ein37_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for Ein37_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: Ekdilam_19 Start: 16204, Stop: 17340, Start Num: 19
Candidate Starts for Ekdilam_19:
(Start: 19 @16204 has 250 MA's), (50, 16321), (Start: 62 @16339 has 5 MA's), (81, 16372), (107, 16411), (138, 16480), (178, 16579), (181, 16585), (262, 16735), (297, 16801), (304, 16813), (371, 16969), (391, 16993), (409, 17020), (431, 17059), (432, 17062), (463, 17152), (511, 17269), (516, 17308), (520, 17326),

Gene: Ellie_19 Start: 16200, Stop: 17336, Start Num: 19
Candidate Starts for Ellie_19:
(Start: 19 @16200 has 250 MA's), (50, 16317), (81, 16368), (138, 16476), (180, 16578), (181, 16581), (229, 16677), (262, 16731), (297, 16797), (304, 16809), (431, 17055), (432, 17058), (511, 17265), (516, 17304), (520, 17322),

Gene: Emerson_22 Start: 16011, Stop: 17147, Start Num: 19
Candidate Starts for Emerson_22:
(Start: 19 @16011 has 250 MA's), (50, 16128), (107, 16218), (118, 16239), (126, 16260), (138, 16287), (262, 16542), (305, 16623), (342, 16698), (346, 16713), (408, 16824), (431, 16866), (463, 16959), (471, 16983), (511, 17076), (516, 17115), (520, 17133),

Gene: Emianna_40 Start: 29879, Stop: 30820, Start Num: 63

Candidate Starts for Emianna_40:
(Start: 63 @29879 has 28 MA's), (115, 29966), (149, 30041), (173, 30107), (190, 30149), (223, 30206), (337, 30419), (347, 30446), (397, 30557), (460, 30689), (500, 30785),

Gene: Engineer_48 Start: 28657, Stop: 29538, Start Num: 58
Candidate Starts for Engineer_48:
(Start: 56 @28651 has 19 MA's), (Start: 58 @28657 has 12 MA's), (Start: 88 @28705 has 25 MA's), (107, 28732), (139, 28804), (167, 28870), (178, 28900), (252, 29008), (304, 29101), (314, 29125), (319, 29140), (371, 29236), (408, 29284), (483, 29464), (502, 29500),

Gene: Enkosi_18 Start: 15554, Stop: 16696, Start Num: 19
Candidate Starts for Enkosi_18:
(Start: 19 @15554 has 250 MA's), (50, 15677), (107, 15767), (138, 15836), (178, 15935), (180, 15938), (229, 16037), (305, 16172), (408, 16373), (431, 16415), (432, 16418), (463, 16508), (471, 16532), (511, 16625), (516, 16664), (520, 16682),

Gene: Ennea_46 Start: 30548, Stop: 31465, Start Num: 63
Candidate Starts for Ennea_46:
(Start: 63 @30548 has 28 MA's), (115, 30626), (149, 30701), (190, 30809), (236, 30893), (335, 31073), (337, 31079), (439, 31295), (460, 31334), (487, 31409), (500, 31430), (507, 31451),

Gene: Enochoraptor_15 Start: 11298, Stop: 12239, Start Num: 60
Candidate Starts for Enochoraptor_15:
(54, 11283), (Start: 57 @11289 has 8 MA's), (Start: 58 @11292 has 12 MA's), (Start: 60 @11298 has 44 MA's), (78, 11331), (Start: 89 @11349 has 3 MA's), (108, 11376), (112, 11385), (125, 11415), (126, 11418), (127, 11421), (133, 11433), (136, 11442), (158, 11487), (168, 11517), (173, 11532), (178, 11544), (180, 11547), (181, 11550), (205, 11598), (218, 11616), (231, 11652), (235, 11658), (251, 11685), (262, 11709), (274, 11736), (289, 11763), (293, 11769), (321, 11832), (329, 11844), (348, 11886), (349, 11889), (350, 11892), (370, 11943), (384, 11958), (393, 11979), (402, 11994), (411, 12009), (413, 12015), (449, 12087), (450, 12090), (453, 12108), (454, 12111), (459, 12120), (474, 12168), (477, 12180), (482, 12189), (488, 12204), (491, 12210), (501, 12225),

Gene: Enoki_15 Start: 11280, Stop: 12221, Start Num: 60
Candidate Starts for Enoki_15:
(51, 11262), (Start: 60 @11280 has 44 MA's), (78, 11313), (Start: 82 @11319 has 2 MA's), (Start: 89 @11331 has 3 MA's), (108, 11358), (112, 11367), (125, 11397), (126, 11400), (127, 11403), (133, 11415), (136, 11424), (144, 11439), (158, 11469), (168, 11499), (173, 11514), (178, 11526), (180, 11529), (181, 11532), (185, 11541), (190, 11556), (205, 11580), (218, 11598), (231, 11634), (235, 11640), (251, 11667), (252, 11670), (262, 11691), (274, 11718), (288, 11742), (293, 11751), (321, 11814), (329, 11826), (348, 11868), (349, 11871), (350, 11874), (354, 11886), (370, 11925), (384, 11940), (393, 11961), (402, 11976), (411, 11991), (413, 11997), (449, 12069), (450, 12072), (453, 12090), (454, 12093), (459, 12102), (474, 12150), (477, 12162), (482, 12171), (488, 12186), (491, 12192), (501, 12207),

Gene: Eponine_23 Start: 17390, Stop: 18523, Start Num: 19
Candidate Starts for Eponine_23:
(Start: 19 @17390 has 250 MA's), (35, 17480), (50, 17510), (107, 17600), (126, 17642), (127, 17645), (133, 17657), (302, 17993), (304, 17999), (340, 18074), (371, 18152), (387, 18167), (408, 18200), (431, 18242), (432, 18245), (464, 18338), (511, 18452), (516, 18491), (520, 18509),

Gene: Erudite_29 Start: 17500, Stop: 18390, Start Num: 84
Candidate Starts for Erudite_29:

(Start: 84 @17500 has 37 MA's), (200, 17755), (239, 17824), (253, 17848), (271, 17881), (353, 18037), (368, 18070), (418, 18160), (444, 18211), (475, 18301), (487, 18331), (496, 18349), (508, 18382), (510, 18385),

Gene: Eudoria_18 Start: 16949, Stop: 17776, Start Num: 103
Candidate Starts for Eudoria_18:
(Start: 103 @16949 has 37 MA's), (127, 17003), (140, 17030), (188, 17144), (190, 17150), (197, 17165), (275, 17288), (296, 17330), (302, 17339), (311, 17360), (353, 17444), (388, 17519), (465, 17663), (476, 17696),

Gene: Euratis_13 Start: 10457, Stop: 11323, Start Num: 95
Candidate Starts for Euratis_13:
(Start: 95 @10457 has 9 MA's), (117, 10499), (118, 10502), (133, 10538), (168, 10625), (209, 10718), (250, 10790), (283, 10853), (289, 10865), (302, 10889), (313, 10916), (401, 11087), (425, 11123), (438, 11141), (459, 11192), (478, 11252), (500, 11294),

Gene: Evanesce_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for Evanesce_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: Eviarto_18 Start: 16940, Stop: 17767, Start Num: 103
Candidate Starts for Eviarto_18:
(Start: 103 @16940 has 37 MA's), (138, 17015), (188, 17135), (190, 17141), (234, 17207), (241, 17219), (272, 17276), (278, 17285), (296, 17321), (302, 17330), (311, 17351), (353, 17435), (388, 17510), (398, 17531), (465, 17654), (476, 17687),

Gene: Ewald_21 Start: 17595, Stop: 18455, Start Num: 57
Candidate Starts for Ewald_21:
(Start: 57 @17595 has 8 MA's), (Start: 61 @17601 has 1 MA's), (Start: 67 @17613 has 9 MA's), (Start: 82 @17637 has 2 MA's), (Start: 83 @17640 has 18 MA's), (166, 17808), (171, 17823), (176, 17835), (243, 17931), (245, 17934), (249, 17943), (256, 17955), (262, 17970), (330, 18099), (407, 18219), (422, 18240), (432, 18261), (477, 18381),

Gene: FF47_20 Start: 14818, Stop: 15930, Start Num: 22
Candidate Starts for FF47_20:
(Start: 22 @14818 has 4 MA's), (24, 14866), (Start: 83 @14974 has 18 MA's), (Start: 89 @14983 has 3 MA's), (127, 15052), (139, 15079), (202, 15226), (264, 15334), (304, 15409), (307, 15418), (322, 15454), (353, 15523), (371, 15565), (412, 15619), (442, 15676), (477, 15781), (480, 15787), (514, 15892),

Gene: Fairfaxidum_18 Start: 15961, Stop: 16821, Start Num: 85
Candidate Starts for Fairfaxidum_18:
(Start: 85 @15961 has 15 MA's), (Start: 98 @15976 has 1 MA's), (114, 16006), (125, 16027), (166, 16117), (199, 16198), (310, 16402), (313, 16405), (410, 16600), (460, 16690), (474, 16732), (496, 16780), (500, 16786),

Gene: Faiyaz_23 Start: 18613, Stop: 19611, Start Num: 34
Candidate Starts for Faiyaz_23:

(Start: 34 @18613 has 7 MA's), (75, 18679), (125, 18769), (127, 18775), (150, 18823), (168, 18871), (178, 18898), (194, 18925), (196, 18928), (210, 18949), (240, 19000), (268, 19051), (273, 19060), (288, 19087), (320, 19162), (335, 19186), (391, 19276), (408, 19300), (409, 19303), (431, 19339), (451, 19393), (453, 19402), (467, 19444), (468, 19447), (507, 19528), (510, 19537), (516, 19582),

Gene: Farewell_15 Start: 15126, Stop: 16142, Start Num: 57
Candidate Starts for Farewell_15:
(Start: 57 @15126 has 8 MA's), (Start: 61 @15135 has 1 MA's), (78, 15165), (120, 15234), (128, 15255), (178, 15375), (182, 15384), (225, 15471), (256, 15537), (301, 15624), (303, 15630), (343, 15714), (349, 15738), (350, 15741), (452, 15939), (457, 15951), (469, 15990), (487, 16017), (495, 16032), (517, 16122),

Gene: Fefferhead_21 Start: 16367, Stop: 17503, Start Num: 19
Candidate Starts for Fefferhead_21:
(Start: 19 @16367 has 250 MA's), (50, 16484), (81, 16535), (138, 16643), (180, 16745), (181, 16748), (229, 16844), (262, 16898), (297, 16964), (304, 16976), (431, 17222), (432, 17225), (511, 17432), (516, 17471), (520, 17489),

Gene: FeliMaine_51 Start: 26439, Stop: 27401, Start Num: 77
Candidate Starts for FeliMaine_51:
(Start: 77 @26439 has 20 MA's), (147, 26571), (157, 26595), (161, 26604), (163, 26610), (166, 26619), (175, 26643), (178, 26652), (184, 26664), (189, 26676), (251, 26790), (294, 26871), (301, 26886), (303, 26892), (349, 27000), (422, 27126), (426, 27132), (453, 27207), (486, 27282), (489, 27288), (497, 27300), (499, 27303), (518, 27390), (520, 27393), (521, 27396),

Gene: Fenry_17 Start: 15512, Stop: 16372, Start Num: 85
Candidate Starts for Fenry_17:
(Start: 85 @15512 has 15 MA's), (166, 15668), (199, 15749), (232, 15806), (259, 15848), (313, 15956), (351, 16040), (381, 16106), (385, 16112), (410, 16151), (460, 16241), (474, 16283),

Gene: Feyre_20 Start: 16241, Stop: 17371, Start Num: 21
Candidate Starts for Feyre_20:
(Start: 21 @16241 has 36 MA's), (126, 16484), (138, 16511), (178, 16610), (229, 16712), (262, 16766), (280, 16796), (297, 16832), (299, 16835), (304, 16844), (340, 16919), (342, 16922), (353, 16958), (371, 17000), (389, 17018), (391, 17024), (408, 17048), (409, 17051), (412, 17057), (431, 17090), (511, 17300), (516, 17339), (520, 17357),

Gene: Findley_18 Start: 13892, Stop: 15019, Start Num: 21
Candidate Starts for Findley_18:
(Start: 21 @13892 has 36 MA's), (23, 13901), (50, 14003), (107, 14093), (126, 14135), (127, 14138), (138, 14162), (178, 14261), (210, 14324), (229, 14363), (262, 14417), (297, 14483), (304, 14495), (325, 14546), (340, 14570), (371, 14648), (389, 14666), (408, 14696), (412, 14705), (431, 14738), (432, 14741), (471, 14855), (507, 14933), (511, 14948), (516, 14987), (520, 15005),

Gene: Finkle_18 Start: 15435, Stop: 16259, Start Num: 106
Candidate Starts for Finkle_18:
(Start: 106 @15435 has 1 MA's), (136, 15498), (138, 15501), (142, 15510), (162, 15555), (211, 15666), (255, 15741), (314, 15861), (382, 15990), (419, 16047), (496, 16215),

Gene: Fionnbharth_23 Start: 17490, Stop: 18623, Start Num: 19
Candidate Starts for Fionnbharth_23:
(Start: 19 @17490 has 250 MA's), (23, 17508), (35, 17580), (50, 17610), (107, 17700), (126, 17742), (136, 17766), (180, 17871), (302, 18093), (304, 18099), (369, 18249), (371, 18252), (389, 18270),

(408, 18300), (431, 18342), (432, 18345), (451, 18396), (507, 18537), (511, 18552), (516, 18591), (520, 18609),

Gene: FlagStaff_17 Start: 15628, Stop: 16848, Start Num: 15
Candidate Starts for FlagStaff_17:
(5, 15304), (Start: 15 @15628 has 2 MA's), (Start: 19 @15664 has 250 MA's), (50, 15790), (93, 15850), (107, 15874), (126, 15916), (127, 15919), (170, 16021), (180, 16045), (186, 16060), (189, 16066), (202, 16105), (207, 16111), (288, 16255), (296, 16273), (306, 16294), (309, 16300), (318, 16324), (339, 16360), (408, 16525), (431, 16567), (433, 16573), (502, 16744), (514, 16810),

Gene: Flapper_44 Start: 30267, Stop: 31184, Start Num: 63
Candidate Starts for Flapper_44:
(Start: 63 @30267 has 28 MA's), (115, 30345), (178, 30498), (246, 30627), (337, 30798), (460, 31053), (487, 31128), (500, 31149),

Gene: Float294_42 Start: 29990, Stop: 30907, Start Num: 63
Candidate Starts for Float294_42:
(Start: 63 @29990 has 28 MA's), (115, 30068), (149, 30143), (190, 30251), (236, 30335), (335, 30515), (337, 30521), (439, 30737), (460, 30776), (487, 30851), (494, 30863), (500, 30872), (507, 30893),

Gene: Floof_16 Start: 12468, Stop: 13334, Start Num: 83
Candidate Starts for Floof_16:
(Start: 83 @12468 has 18 MA's), (140, 12582), (148, 12594), (177, 12669), (178, 12672), (232, 12780), (247, 12795), (278, 12846), (289, 12867), (351, 12981), (364, 13011), (368, 13020), (437, 13140), (483, 13266),

Gene: Forester_16 Start: 14001, Stop: 14867, Start Num: 83
Candidate Starts for Forester_16:
(Start: 83 @14001 has 18 MA's), (140, 14115), (177, 14202), (178, 14205), (181, 14211), (232, 14313), (247, 14328), (278, 14379), (289, 14400), (351, 14514), (437, 14673), (480, 14793), (483, 14799), (498, 14829),

Gene: ForeverHowLong_17 Start: 15472, Stop: 16644, Start Num: 19
Candidate Starts for ForeverHowLong_17:
(5, 15139), (Start: 19 @15472 has 250 MA's), (50, 15592), (Start: 62 @15610 has 5 MA's), (Start: 89 @15655 has 3 MA's), (93, 15661), (125, 15724), (140, 15760), (169, 15829), (170, 15832), (178, 15853), (207, 15907), (229, 15952), (251, 15982), (304, 16084), (309, 16096), (314, 16108), (320, 16126), (389, 16291), (408, 16321), (418, 16339), (431, 16363), (473, 16483), (511, 16573), (514, 16606),

Gene: Forge_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for Forge_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: Forza_100 Start: 59008, Stop: 59943, Start Num: 76
Candidate Starts for Forza_100:
(Start: 76 @59008 has 5 MA's), (Start: 87 @59023 has 1 MA's), (90, 59029), (94, 59035), (152, 59152), (154, 59155), (171, 59206), (186, 59242), (255, 59377), (279, 59413), (295, 59443), (413, 59695), (433, 59740), (446, 59770), (449, 59776), (459, 59803), (471, 59842), (502, 59911),

Gene: FountainFog_29 Start: 17105, Stop: 17995, Start Num: 84
Candidate Starts for FountainFog_29:
(Start: 84 @17105 has 37 MA's), (200, 17360), (239, 17429), (253, 17453), (271, 17486), (353, 17642), (368, 17675), (386, 17708), (444, 17816), (475, 17906), (487, 17936), (508, 17987), (510, 17990),

Gene: Foxboro_41 Start: 30385, Stop: 31326, Start Num: 63
Candidate Starts for Foxboro_41:
(Start: 63 @30385 has 28 MA's), (115, 30472), (149, 30547), (173, 30613), (190, 30655), (223, 30712), (337, 30925), (347, 30952), (397, 31063), (460, 31195), (500, 31291),

Gene: Francois_21 Start: 16316, Stop: 17377, Start Num: 44
Candidate Starts for Francois_21:
(Start: 44 @16316 has 18 MA's), (74, 16361), (93, 16391), (149, 16499), (212, 16649), (233, 16697), (279, 16781), (284, 16790), (306, 16832), (399, 17042), (418, 17078), (499, 17273), (515, 17345), (516, 17348),

Gene: FreddieHg_29 Start: 16964, Stop: 17854, Start Num: 84
Candidate Starts for FreddieHg_29:
(Start: 84 @16964 has 37 MA's), (188, 17192), (200, 17219), (239, 17288), (253, 17312), (271, 17345), (353, 17501), (368, 17534), (386, 17567), (418, 17624), (444, 17675), (475, 17765), (487, 17795), (508, 17846), (510, 17849),

Gene: Frizzle_15 Start: 13493, Stop: 14353, Start Num: 88
Candidate Starts for Frizzle_15:
(Start: 83 @13487 has 18 MA's), (Start: 88 @13493 has 25 MA's), (108, 13520), (109, 13523), (185, 13682), (204, 13727), (207, 13730), (263, 13832), (272, 13850), (326, 13958), (423, 14144), (426, 14147), (456, 14219), (482, 14285), (502, 14321),

Gene: Frokostdame_18 Start: 15774, Stop: 16619, Start Num: 98
Candidate Starts for Frokostdame_18:
(Start: 85 @15759 has 15 MA's), (Start: 98 @15774 has 1 MA's), (151, 15876), (166, 15915), (199, 15996), (250, 16080), (259, 16095), (313, 16203), (351, 16287), (381, 16353), (385, 16359), (410, 16398), (460, 16488), (474, 16530),

Gene: Frosty24_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Frosty24_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Fury_49 Start: 29757, Stop: 30677, Start Num: 63
Candidate Starts for Fury_49:
(Start: 63 @29757 has 28 MA's), (115, 29838), (149, 29913), (168, 29964), (223, 30078), (335, 30285), (460, 30546), (482, 30609), (500, 30642),

Gene: GMA1_18 Start: 15118, Stop: 15930, Start Num: 106
Candidate Starts for GMA1_18:
(Start: 106 @15118 has 1 MA's), (119, 15145), (142, 15196), (185, 15301), (186, 15304), (188, 15310), (255, 15421), (258, 15424), (275, 15460), (300, 15508), (340, 15589), (422, 15739), (436, 15772), (482, 15859),

Gene: GMA2_29 Start: 30651, Stop: 31595, Start Num: 71
Candidate Starts for GMA2_29:
(71, 30651), (90, 30681), (94, 30687), (Start: 106 @30702 has 1 MA's), (127, 30750), (154, 30807), (181, 30882), (189, 30903), (206, 30942), (255, 31029), (279, 31065), (286, 31077), (290, 31086), (295, 31095), (322, 31152), (415, 31350), (433, 31392), (449, 31428), (459, 31455), (461, 31461), (471, 31494), (479, 31518), (502, 31563),

Gene: GRU1_30 Start: 22167, Stop: 23084, Start Num: 63
Candidate Starts for GRU1_30:
(Start: 63 @22167 has 28 MA's), (115, 22245), (178, 22398), (236, 22512), (246, 22527), (280, 22590), (337, 22698), (460, 22953), (487, 23028), (500, 23049),

Gene: GTE5_31 Start: 23122, Stop: 24039, Start Num: 63
Candidate Starts for GTE5_31:
(Start: 63 @23122 has 28 MA's), (115, 23200), (178, 23353), (246, 23482), (337, 23653), (410, 23809), (460, 23908), (487, 23983), (500, 24004),

Gene: GTE8_29 Start: 23138, Stop: 24079, Start Num: 63
Candidate Starts for GTE8_29:
(Start: 63 @23138 has 28 MA's), (115, 23225), (149, 23300), (190, 23408), (213, 23447), (280, 23570), (337, 23678), (397, 23816), (460, 23948), (500, 24044),

Gene: Gagieri_44 Start: 30280, Stop: 31170, Start Num: 89
Candidate Starts for Gagieri_44:
(Start: 39 @30193 has 24 MA's), (Start: 61 @30241 has 1 MA's), (Start: 89 @30280 has 3 MA's), (149, 30397), (164, 30436), (170, 30454), (190, 30505), (246, 30604), (287, 30679), (291, 30688), (383, 30892), (397, 30922), (421, 30958), (438, 30997), (460, 31039), (482, 31102), (487, 31114), (500, 31135),

Gene: Gaia_13 Start: 13325, Stop: 14437, Start Num: 30
Candidate Starts for Gaia_13:
(Start: 30 @13325 has 2 MA's), (31, 13328), (80, 13421), (Start: 84 @13427 has 37 MA's), (112, 13472), (125, 13502), (136, 13529), (138, 13532), (140, 13538), (149, 13553), (150, 13556), (176, 13625), (178, 13631), (210, 13709), (245, 13766), (262, 13802), (297, 13868), (304, 13880), (348, 13982), (349, 13985), (359, 14012), (379, 14075), (431, 14156), (433, 14162), (453, 14219), (463, 14249), (468, 14264), (477, 14288), (480, 14294), (507, 14351), (520, 14423),

Gene: Gallia_41 Start: 33872, Stop: 34774, Start Num: 56
Candidate Starts for Gallia_41:
(Start: 56 @33872 has 19 MA's), (125, 34001), (164, 34091), (167, 34100), (173, 34118), (178, 34130), (201, 34184), (283, 34331), (304, 34373), (350, 34466), (351, 34469), (359, 34490), (423, 34562), (460, 34643),

Gene: Gambino_20 Start: 16105, Stop: 16965, Start Num: 85
Candidate Starts for Gambino_20:
(Start: 85 @16105 has 15 MA's), (Start: 98 @16120 has 1 MA's), (151, 16222), (166, 16261), (199, 16342), (250, 16426), (259, 16441), (313, 16549), (351, 16633), (381, 16699), (385, 16705), (410, 16744), (460, 16834), (474, 16876),

Gene: Gancho_20 Start: 16036, Stop: 17130, Start Num: 39
Candidate Starts for Gancho_20:

(Start: 39 @16036 has 24 MA's), (42, 16045), (107, 16141), (112, 16150), (117, 16159), (138, 16210), (140, 16216), (178, 16306), (181, 16312), (189, 16330), (222, 16399), (227, 16408), (233, 16429), (236, 16435), (242, 16441), (244, 16444), (279, 16516), (281, 16519), (351, 16675), (377, 16744), (416, 16816), (422, 16834), (446, 16888), (454, 16918), (463, 16945), (464, 16948), (477, 16984), (480, 16990), (485, 17002), (507, 17044), (511, 17059), (512, 17062), (514, 17092),

Gene: Ganymede_23 Start: 16031, Stop: 17167, Start Num: 19
Candidate Starts for Ganymede_23:
(Start: 19 @16031 has 250 MA's), (50, 16148), (107, 16238), (118, 16259), (126, 16280), (138, 16307), (262, 16562), (305, 16643), (342, 16718), (346, 16733), (408, 16844), (431, 16886), (463, 16979), (471, 17003), (511, 17096), (516, 17135), (520, 17153),

Gene: GardenState_16 Start: 12560, Stop: 13426, Start Num: 83
Candidate Starts for GardenState_16:
(Start: 83 @12560 has 18 MA's), (148, 12686), (150, 12692), (175, 12755), (214, 12836), (278, 12938), (289, 12959), (351, 13073), (364, 13103), (483, 13358),

Gene: Gattaca_48 Start: 25618, Stop: 26580, Start Num: 77
Candidate Starts for Gattaca_48:
(Start: 77 @25618 has 20 MA's), (147, 25750), (157, 25774), (161, 25783), (163, 25789), (166, 25798), (175, 25822), (178, 25831), (184, 25843), (251, 25969), (294, 26050), (301, 26065), (303, 26071), (349, 26179), (422, 26305), (426, 26311), (453, 26386), (486, 26461), (489, 26467), (497, 26479), (499, 26482), (518, 26569), (520, 26572), (521, 26575),

Gene: Geeche_46 Start: 28531, Stop: 29412, Start Num: 58
Candidate Starts for Geeche_46:
(Start: 58 @28531 has 12 MA's), (Start: 88 @28579 has 25 MA's), (107, 28606), (139, 28678), (167, 28744), (178, 28774), (252, 28882), (304, 28975), (314, 28999), (319, 29014), (371, 29110), (408, 29158), (483, 29338), (502, 29374),

Gene: Gengar_20 Start: 16348, Stop: 17478, Start Num: 21
Candidate Starts for Gengar_20:
(Start: 21 @16348 has 36 MA's), (Start: 89 @16522 has 3 MA's), (125, 16588), (126, 16591), (138, 16618), (178, 16717), (229, 16819), (262, 16873), (280, 16903), (297, 16939), (299, 16942), (304, 16951), (340, 17026), (342, 17029), (353, 17065), (371, 17107), (389, 17125), (391, 17131), (408, 17155), (409, 17158), (412, 17164), (431, 17197), (511, 17407), (516, 17446), (520, 17464),

Gene: Geraldini_22 Start: 16027, Stop: 17163, Start Num: 19
Candidate Starts for Geraldini_22:
(Start: 19 @16027 has 250 MA's), (50, 16144), (107, 16234), (118, 16255), (126, 16276), (138, 16303), (262, 16558), (305, 16639), (342, 16714), (346, 16729), (408, 16840), (412, 16849), (431, 16882), (463, 16975), (471, 16999), (511, 17092), (516, 17131), (520, 17149),

Gene: Ghobes_15 Start: 13491, Stop: 14351, Start Num: 88
Candidate Starts for Ghobes_15:
(Start: 83 @13485 has 18 MA's), (Start: 88 @13491 has 25 MA's), (108, 13518), (109, 13521), (204, 13725), (207, 13728), (223, 13755), (263, 13830), (272, 13848), (326, 13956), (423, 14142), (426, 14145), (456, 14217), (482, 14283), (502, 14319), (508, 14343),

Gene: Gideon_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Gideon_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178,

15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Gilda_30 Start: 17787, Stop: 18677, Start Num: 84
Candidate Starts for Gilda_30:
(Start: 84 @17787 has 37 MA's), (239, 18111), (253, 18135), (353, 18324), (444, 18498), (487, 18618), (508, 18669), (510, 18672),

Gene: Giles_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for Giles_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: GodSpeed_17 Start: 15604, Stop: 16833, Start Num: 15
Candidate Starts for GodSpeed_17:
(5, 15277), (Start: 15 @15604 has 2 MA's), (Start: 19 @15640 has 250 MA's), (50, 15766), (Start: 62 @15784 has 5 MA's), (93, 15835), (107, 15859), (126, 15901), (127, 15904), (140, 15934), (170, 16006), (180, 16030), (186, 16045), (202, 16090), (207, 16096), (288, 16240), (309, 16285), (318, 16309), (339, 16345), (408, 16510), (431, 16552), (502, 16729), (514, 16795),

Gene: GodonK_88 Start: 51377, Stop: 52333, Start Num: 66
Candidate Starts for GodonK_88:
(Start: 66 @51377 has 2 MA's), (90, 51416), (143, 51521), (154, 51542), (171, 51593), (173, 51599), (187, 51632), (279, 51800), (295, 51830), (377, 52010), (404, 52064), (415, 52085), (422, 52103), (433, 52127), (445, 52154), (446, 52157), (449, 52163), (459, 52190), (464, 52208), (498, 52292), (502, 52298), (503, 52301),

Gene: Goib_22 Start: 15642, Stop: 16475, Start Num: 99
Candidate Starts for Goib_22:
(Start: 99 @15642 has 6 MA's), (Start: 101 @15645 has 5 MA's), (116, 15660), (132, 15699), (144, 15720), (146, 15723), (212, 15867), (304, 16053), (336, 16122), (388, 16224), (434, 16305), (435, 16308), (464, 16389), (466, 16395), (470, 16407), (472, 16410), (481, 16434),

Gene: GoldenAsh_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for GoldenAsh_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Gomashi_17 Start: 15478, Stop: 16650, Start Num: 19
Candidate Starts for Gomashi_17:
(5, 15145), (Start: 19 @15478 has 250 MA's), (50, 15598), (Start: 62 @15616 has 5 MA's), (Start: 89 @15661 has 3 MA's), (93, 15667), (125, 15730), (140, 15766), (169, 15835), (170, 15838), (178, 15859), (207, 15913), (229, 15958), (251, 15988), (304, 16090), (309, 16102), (314, 16114), (320, 16132), (389, 16297), (408, 16327), (418, 16345), (431, 16369), (473, 16489), (511, 16579), (514, 16612),

Gene: GoongGoong_48 Start: 25658, Stop: 26620, Start Num: 77
Candidate Starts for GoongGoong_48:
(Start: 77 @25658 has 20 MA's), (147, 25790), (157, 25814), (161, 25823), (163, 25829), (166, 25838), (175, 25862), (178, 25871), (184, 25883), (251, 26009), (294, 26090), (301, 26105), (303, 26111), (349, 26219), (422, 26345), (426, 26351), (486, 26501), (489, 26507), (497, 26519), (499, 26522), (518, 26609), (520, 26612), (521, 26615),

Gene: GrandSlam_21 Start: 16827, Stop: 17888, Start Num: 44
Candidate Starts for GrandSlam_21:
(Start: 44 @16827 has 18 MA's), (74, 16872), (93, 16902), (149, 17010), (212, 17160), (233, 17208), (279, 17292), (284, 17301), (306, 17343), (380, 17520), (418, 17589), (480, 17751), (499, 17784), (515, 17856), (516, 17859),

Gene: Gravaillia_21 Start: 16042, Stop: 17136, Start Num: 39
Candidate Starts for Gravaillia_21:
(Start: 39 @16042 has 24 MA's), (42, 16051), (107, 16147), (112, 16156), (117, 16165), (138, 16216), (140, 16222), (178, 16312), (181, 16318), (189, 16336), (222, 16405), (227, 16414), (233, 16435), (236, 16441), (242, 16447), (244, 16450), (279, 16522), (281, 16525), (351, 16681), (377, 16750), (416, 16822), (422, 16840), (446, 16894), (454, 16924), (463, 16951), (464, 16954), (477, 16990), (480, 16996), (485, 17008), (507, 17050), (511, 17065), (512, 17068), (514, 17098),

Gene: Gretchen_16 Start: 13995, Stop: 14861, Start Num: 83
Candidate Starts for Gretchen_16:
(Start: 83 @13995 has 18 MA's), (140, 14109), (177, 14196), (178, 14199), (181, 14205), (232, 14307), (247, 14322), (278, 14373), (289, 14394), (351, 14508), (437, 14667), (480, 14787), (483, 14793), (498, 14823),

Gene: Grizzly_17 Start: 15480, Stop: 16652, Start Num: 19
Candidate Starts for Grizzly_17:
(5, 15147), (Start: 19 @15480 has 250 MA's), (50, 15600), (Start: 62 @15618 has 5 MA's), (Start: 89 @15663 has 3 MA's), (93, 15669), (125, 15732), (140, 15768), (169, 15837), (170, 15840), (178, 15861), (207, 15915), (229, 15960), (251, 15990), (304, 16092), (309, 16104), (314, 16116), (389, 16299), (408, 16329), (418, 16347), (431, 16371), (466, 16473), (473, 16491), (511, 16581), (514, 16614),

Gene: GrootJr_42 Start: 29261, Stop: 30202, Start Num: 63
Candidate Starts for GrootJr_42:
(Start: 63 @29261 has 28 MA's), (115, 29348), (149, 29423), (173, 29489), (190, 29531), (223, 29588), (337, 29801), (347, 29828), (397, 29939), (460, 30071), (500, 30167),

Gene: Gsput1_19 Start: 14904, Stop: 15749, Start Num: 101
Candidate Starts for Gsput1_19:
(Start: 99 @14901 has 6 MA's), (Start: 101 @14904 has 5 MA's), (116, 14928), (129, 14958), (144, 14988), (146, 14991), (148, 14994), (165, 15036), (196, 15111), (198, 15117), (278, 15270), (304, 15321), (331, 15378), (350, 15423), (414, 15543), (416, 15546), (457, 15642), (470, 15681), (472, 15684), (488, 15720),

Gene: Guacamole_18 Start: 15791, Stop: 16657, Start Num: 83
Candidate Starts for Guacamole_18:
(Start: 83 @15791 has 18 MA's), (Start: 88 @15797 has 25 MA's), (166, 15953), (199, 16034), (259, 16133), (313, 16241), (351, 16325), (385, 16397), (460, 16526), (468, 16553), (474, 16568),

Gene: Guanica15_22 Start: 15243, Stop: 16379, Start Num: 19

Candidate Starts for Guanica15_22:
(Start: 19 @15243 has 250 MA's), (50, 15360), (107, 15450), (118, 15471), (138, 15519), (262, 15774), (305, 15855), (342, 15930), (346, 15945), (408, 16056), (431, 16098), (459, 16176), (463, 16191), (471, 16215), (511, 16308), (516, 16347), (520, 16365),

Gene: Guillsminger_20 Start: 16323, Stop: 17453, Start Num: 21
Candidate Starts for Guillsminger_20:
(Start: 21 @16323 has 36 MA's), (125, 16563), (126, 16566), (138, 16593), (178, 16692), (229, 16794), (262, 16848), (280, 16878), (297, 16914), (299, 16917), (304, 16926), (340, 17001), (342, 17004), (371, 17082), (389, 17100), (391, 17106), (408, 17130), (409, 17133), (412, 17139), (431, 17172), (511, 17382), (516, 17421), (520, 17439),

Gene: HH92_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for HH92_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: Hadrien_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for Hadrien_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: Hager_31 Start: 17349, Stop: 18239, Start Num: 84
Candidate Starts for Hager_31:
(Start: 84 @17349 has 37 MA's), (239, 17673), (253, 17697), (271, 17730), (353, 17886), (368, 17919), (386, 17952), (444, 18060), (475, 18150), (487, 18180), (508, 18231), (510, 18234),

Gene: Hail_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for Hail_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: Halo_17 Start: 15472, Stop: 16644, Start Num: 19
Candidate Starts for Halo_17:
(5, 15139), (Start: 19 @15472 has 250 MA's), (50, 15592), (Start: 62 @15610 has 5 MA's), (Start: 89 @15655 has 3 MA's), (93, 15661), (125, 15724), (140, 15760), (169, 15829), (170, 15832), (178, 15853), (207, 15907), (229, 15952), (251, 15982), (304, 16084), (309, 16096), (314, 16108), (320, 16126), (389, 16291), (408, 16321), (418, 16339), (431, 16363), (473, 16483), (511, 16573), (514, 16606),

Gene: Hammy_21 Start: 16436, Stop: 17572, Start Num: 19
Candidate Starts for Hammy_21:
(Start: 19 @16436 has 250 MA's), (50, 16553), (Start: 62 @16571 has 5 MA's), (81, 16604), (107, 16643), (138, 16712), (178, 16811), (181, 16817), (229, 16913), (262, 16967), (297, 17033), (304,

17045), (371, 17201), (391, 17225), (431, 17291), (432, 17294), (433, 17297), (463, 17384), (511, 17501), (516, 17540), (520, 17558),

Gene: Hamood_21 Start: 16827, Stop: 17888, Start Num: 44
Candidate Starts for Hamood_21:
(Start: 44 @16827 has 18 MA's), (74, 16872), (93, 16902), (149, 17010), (212, 17160), (233, 17208), (279, 17292), (284, 17301), (306, 17343), (380, 17520), (418, 17589), (480, 17751), (499, 17784), (515, 17856), (516, 17859),

Gene: Haunter_30 Start: 17200, Stop: 18090, Start Num: 84
Candidate Starts for Haunter_30:
(Start: 84 @17200 has 37 MA's), (239, 17524), (253, 17548), (271, 17581), (353, 17737), (386, 17803), (444, 17911), (487, 18031), (508, 18082), (510, 18085),

Gene: Heather_13 Start: 10445, Stop: 11311, Start Num: 95
Candidate Starts for Heather_13:
(Start: 95 @10445 has 9 MA's), (100, 10454), (118, 10490), (137, 10538), (156, 10577), (168, 10613), (197, 10685), (200, 10691), (209, 10706), (234, 10751), (250, 10778), (276, 10829), (278, 10832), (283, 10841), (310, 10898), (313, 10904), (347, 10958), (378, 11030), (394, 11063), (410, 11090), (451, 11156), (464, 11198),

Gene: HedwigODU_22 Start: 16020, Stop: 17156, Start Num: 19
Candidate Starts for HedwigODU_22:
(Start: 19 @16020 has 250 MA's), (50, 16137), (107, 16227), (118, 16248), (126, 16269), (138, 16296), (262, 16551), (305, 16632), (342, 16707), (346, 16722), (408, 16833), (431, 16875), (463, 16968), (471, 16992), (511, 17085), (516, 17124), (520, 17142),

Gene: Heftyboy_20 Start: 16471, Stop: 17601, Start Num: 21
Candidate Starts for Heftyboy_20:
(Start: 21 @16471 has 36 MA's), (Start: 89 @16645 has 3 MA's), (125, 16711), (126, 16714), (138, 16741), (178, 16840), (229, 16942), (262, 16996), (280, 17026), (297, 17062), (299, 17065), (304, 17074), (340, 17149), (342, 17152), (353, 17188), (371, 17230), (389, 17248), (391, 17254), (408, 17278), (409, 17281), (412, 17287), (431, 17320), (511, 17530), (516, 17569), (520, 17587),

Gene: Herod_18 Start: 16940, Stop: 17767, Start Num: 103
Candidate Starts for Herod_18:
(Start: 103 @16940 has 37 MA's), (138, 17015), (188, 17135), (190, 17141), (234, 17207), (241, 17219), (272, 17276), (278, 17285), (296, 17321), (302, 17330), (311, 17351), (353, 17435), (388, 17510), (398, 17531), (465, 17654), (476, 17687),

Gene: Hiddenleaf_29 Start: 16948, Stop: 17838, Start Num: 84
Candidate Starts for Hiddenleaf_29:
(Start: 84 @16948 has 37 MA's), (188, 17176), (200, 17203), (239, 17272), (253, 17296), (271, 17329), (353, 17485), (368, 17518), (386, 17551), (418, 17608), (444, 17659), (475, 17749), (487, 17779), (508, 17830), (510, 17833),

Gene: Hilltopfarm_23 Start: 18643, Stop: 19641, Start Num: 34
Candidate Starts for Hilltopfarm_23:
(Start: 34 @18643 has 7 MA's), (75, 18709), (125, 18799), (127, 18805), (150, 18853), (168, 18901), (178, 18928), (194, 18955), (196, 18958), (210, 18979), (240, 19030), (268, 19081), (273, 19090), (288, 19117), (320, 19192), (335, 19216), (391, 19306), (408, 19330), (409, 19333), (431, 19369), (451, 19423), (453, 19432), (467, 19474), (468, 19477), (507, 19558), (510, 19567), (516, 19612),

Gene: Hitter_18 Start: 15793, Stop: 16653, Start Num: 88
Candidate Starts for Hitter_18:
(Start: 83 @15787 has 18 MA's), (Start: 88 @15793 has 25 MA's), (166, 15949), (199, 16030), (259, 16129), (313, 16237), (351, 16321), (381, 16387), (410, 16432), (460, 16522), (474, 16564),

Gene: HomeFry_46 Start: 28359, Stop: 29288, Start Num: 63
Candidate Starts for HomeFry_46:
(Start: 63 @28359 has 28 MA's), (115, 28440), (149, 28515), (168, 28566), (246, 28722), (314, 28857), (337, 28896), (460, 29151), (500, 29253),

Gene: Homura_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Homura_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Honk_15 Start: 11270, Stop: 12148, Start Num: 82
Candidate Starts for Honk_15:
(Start: 82 @11270 has 2 MA's), (130, 11360), (208, 11543), (259, 11618), (378, 11843), (483, 12080), (508, 12140),

Gene: Hope_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Hope_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Hortense_19 Start: 17069, Stop: 17905, Start Num: 97
Candidate Starts for Hortense_19:
(Start: 97 @17069 has 19 MA's), (Start: 103 @17078 has 37 MA's), (123, 17120), (138, 17153), (146, 17168), (166, 17216), (190, 17279), (193, 17285), (219, 17324), (255, 17378), (261, 17393), (275, 17417), (278, 17423), (296, 17459), (311, 17489), (315, 17498), (388, 17648), (436, 17738), (476, 17825),

Gene: Hotshotbaby7_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Hotshotbaby7_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Howe_19 Start: 17069, Stop: 17905, Start Num: 97
Candidate Starts for Howe_19:
(Start: 97 @17069 has 19 MA's), (Start: 103 @17078 has 37 MA's), (123, 17120), (138, 17153), (146, 17168), (166, 17216), (190, 17279), (193, 17285), (219, 17324), (255, 17378), (261, 17393), (275, 17417), (278, 17423), (296, 17459), (311, 17489), (315, 17498), (388, 17648), (436, 17738), (476, 17825),

Gene: HubbaBubba_38 Start: 25653, Stop: 26573, Start Num: 67
Candidate Starts for HubbaBubba_38:

(Start: 67 @25653 has 9 MA's), (115, 25734), (134, 25779), (164, 25848), (246, 26016), (291, 26100), (314, 26151), (372, 26274), (433, 26382), (439, 26400), (460, 26442), (466, 26463), (496, 26532), (500, 26538), (507, 26559),

Gene: Huffy_23 Start: 15864, Stop: 16697, Start Num: 99
Candidate Starts for Huffy_23:
(Start: 99 @15864 has 6 MA's), (Start: 101 @15867 has 5 MA's), (116, 15882), (132, 15921), (144, 15942), (146, 15945), (212, 16089), (304, 16275), (347, 16362), (388, 16446), (434, 16527), (464, 16611), (466, 16617), (470, 16629), (472, 16632), (481, 16656),

Gene: Hugley_18 Start: 16940, Stop: 17767, Start Num: 103
Candidate Starts for Hugley_18:
(Start: 103 @16940 has 37 MA's), (138, 17015), (188, 17135), (190, 17141), (234, 17207), (241, 17219), (272, 17276), (278, 17285), (296, 17321), (302, 17330), (311, 17351), (353, 17435), (388, 17510), (398, 17531), (465, 17654), (476, 17687),

Gene: Huphlepuff_51 Start: 26243, Stop: 27205, Start Num: 77
Candidate Starts for Huphlepuff_51:
(Start: 77 @26243 has 20 MA's), (147, 26375), (157, 26399), (161, 26408), (163, 26414), (166, 26423), (175, 26447), (178, 26456), (184, 26468), (189, 26480), (251, 26594), (294, 26675), (301, 26690), (303, 26696), (349, 26804), (422, 26930), (426, 26936), (453, 27011), (486, 27086), (489, 27092), (497, 27104), (499, 27107), (518, 27194), (520, 27197), (521, 27200),

Gene: Hurricane_21 Start: 16451, Stop: 17587, Start Num: 19
Candidate Starts for Hurricane_21:
(Start: 19 @16451 has 250 MA's), (50, 16574), (Start: 89 @16637 has 3 MA's), (93, 16643), (112, 16673), (126, 16706), (170, 16811), (178, 16832), (210, 16895), (229, 16934), (251, 16964), (297, 17051), (314, 17087), (389, 17234), (408, 17264), (412, 17273), (431, 17306), (432, 17309), (433, 17312), (463, 17399), (503, 17486), (514, 17549), (516, 17555),

Gene: Hyperbowlee_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Hyperbowlee_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Hyzer_18 Start: 17011, Stop: 17838, Start Num: 103
Candidate Starts for Hyzer_18:
(Start: 103 @17011 has 37 MA's), (188, 17206), (190, 17212), (241, 17290), (272, 17347), (278, 17356), (296, 17392), (302, 17401), (311, 17422), (353, 17506), (388, 17581), (476, 17758),

Gene: IAmGroot_16 Start: 13204, Stop: 14070, Start Num: 83
Candidate Starts for IAmGroot_16:
(Start: 83 @13204 has 18 MA's), (148, 13330), (150, 13336), (175, 13399), (214, 13480), (278, 13582), (289, 13603), (351, 13717), (364, 13747), (483, 14002),

Gene: IDyn_41 Start: 27049, Stop: 27969, Start Num: 67
Candidate Starts for IDyn_41:
(Start: 67 @27049 has 9 MA's), (115, 27130), (134, 27175), (164, 27244), (246, 27412), (291, 27496), (314, 27547), (337, 27580), (372, 27670), (433, 27778), (460, 27838), (496, 27928), (500, 27934), (507, 27955),

Gene: Ibantik_80 Start: 41938, Stop: 42960, Start Num: 37

Candidate Starts for Ibantik_80:
(Start: 25 @41893 has 1 MA's), (Start: 37 @41938 has 5 MA's), (41, 41950), (75, 42007), (130, 42112), (136, 42130), (158, 42175), (169, 42208), (175, 42223), (190, 42262), (257, 42382), (357, 42598), (431, 42745), (439, 42769), (441, 42772),

Gene: Ibrahim_18 Start: 16018, Stop: 16983, Start Num: 70
Candidate Starts for Ibrahim_18:
(Start: 70 @16018 has 8 MA's), (Start: 88 @16045 has 25 MA's), (Start: 98 @16063 has 1 MA's), (181, 16240), (182, 16243), (225, 16318), (256, 16384), (269, 16411), (298, 16468), (303, 16477), (424, 16714), (434, 16738), (469, 16837), (477, 16858), (487, 16879), (506, 16918), (509, 16927),

Gene: Illumine_22 Start: 16034, Stop: 17170, Start Num: 19
Candidate Starts for Illumine_22:
(Start: 19 @16034 has 250 MA's), (50, 16151), (118, 16262), (126, 16283), (138, 16310), (180, 16412), (262, 16565), (305, 16646), (330, 16700), (342, 16721), (346, 16736), (408, 16847), (431, 16889), (463, 16982), (471, 17006), (511, 17099), (516, 17138), (520, 17156),

Gene: Inky_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Inky_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Invectra_19 Start: 16870, Stop: 17706, Start Num: 97
Candidate Starts for Invectra_19:
(Start: 97 @16870 has 19 MA's), (Start: 103 @16879 has 37 MA's), (123, 16921), (138, 16954), (146, 16969), (190, 17080), (193, 17086), (219, 17125), (255, 17179), (275, 17218), (278, 17224), (296, 17260), (311, 17290), (315, 17299), (388, 17449), (436, 17539), (476, 17626),

Gene: InvictusManeo_20 Start: 16423, Stop: 17553, Start Num: 21
Candidate Starts for InvictusManeo_20:
(Start: 21 @16423 has 36 MA's), (Start: 89 @16597 has 3 MA's), (125, 16663), (126, 16666), (138, 16693), (178, 16792), (229, 16894), (262, 16948), (280, 16978), (297, 17014), (299, 17017), (304, 17026), (340, 17101), (342, 17104), (353, 17140), (371, 17182), (389, 17200), (391, 17206), (408, 17230), (409, 17233), (431, 17272), (511, 17482), (516, 17521), (520, 17539),

Gene: JAWS_22 Start: 16005, Stop: 17141, Start Num: 19
Candidate Starts for JAWS_22:
(Start: 19 @16005 has 250 MA's), (50, 16122), (107, 16212), (118, 16233), (126, 16254), (138, 16281), (262, 16536), (305, 16617), (342, 16692), (346, 16707), (408, 16818), (431, 16860), (463, 16953), (471, 16977), (511, 17070), (516, 17109), (520, 17127),

Gene: JDawG_29 Start: 17530, Stop: 18420, Start Num: 84
Candidate Starts for JDawG_29:
(Start: 84 @17530 has 37 MA's), (200, 17785), (239, 17854), (253, 17878), (271, 17911), (368, 18100), (386, 18133), (418, 18190), (444, 18241), (475, 18331), (487, 18361), (508, 18412), (510, 18415),

Gene: JF1_23 Start: 17489, Stop: 18622, Start Num: 19
Candidate Starts for JF1_23:
(Start: 19 @17489 has 250 MA's), (23, 17507), (35, 17579), (50, 17609), (107, 17699), (126, 17741), (136, 17765), (180, 17870), (302, 18092), (304, 18098), (369, 18248), (371, 18251), (389, 18269), (408, 18299), (431, 18341), (432, 18344), (451, 18395), (507, 18536), (511, 18551), (516, 18590), (520, 18608),

Gene: JacoRen57_16 Start: 14312, Stop: 15445, Start Num: 22
Candidate Starts for JacoRen57_16:
(Start: 22 @14312 has 4 MA's), (24, 14360), (73, 14465), (Start: 88 @14489 has 25 MA's), (Start: 89 @14492 has 3 MA's), (136, 14582), (139, 14588), (186, 14702), (189, 14711), (288, 14891), (304, 14924), (307, 14933), (361, 15062), (367, 15074), (371, 15083), (408, 15128), (412, 15137), (431, 15170), (440, 15191), (445, 15200), (463, 15260), (477, 15299), (480, 15305), (490, 15329), (514, 15410),

Gene: Jalammah_20 Start: 16587, Stop: 17447, Start Num: 85
Candidate Starts for Jalammah_20:
(Start: 85 @16587 has 15 MA's), (166, 16743), (199, 16824), (232, 16881), (238, 16890), (259, 16923), (313, 17031), (351, 17115), (381, 17181), (385, 17187), (460, 17316), (474, 17358),

Gene: Jane_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Jane_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Jarvi_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Jarvi_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: JasperJr_18 Start: 15797, Stop: 16657, Start Num: 88
Candidate Starts for JasperJr_18:
(Start: 83 @15791 has 18 MA's), (Start: 88 @15797 has 25 MA's), (166, 15953), (199, 16034), (259, 16133), (313, 16241), (351, 16325), (385, 16397), (460, 16526), (468, 16553), (474, 16568),

Gene: Jayhawk_22 Start: 16018, Stop: 17154, Start Num: 19
Candidate Starts for Jayhawk_22:
(Start: 19 @16018 has 250 MA's), (50, 16135), (107, 16225), (118, 16246), (126, 16267), (138, 16294), (262, 16549), (305, 16630), (342, 16705), (346, 16720), (408, 16831), (431, 16873), (463, 16966), (471, 16990), (511, 17083), (516, 17122), (520, 17140),

Gene: Jeckyll_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Jeckyll_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Jeilious_17 Start: 15476, Stop: 16648, Start Num: 19
Candidate Starts for Jeilious_17:
(5, 15143), (Start: 19 @15476 has 250 MA's), (50, 15596), (Start: 62 @15614 has 5 MA's), (Start: 89 @15659 has 3 MA's), (93, 15665), (125, 15728), (140, 15764), (169, 15833), (170, 15836), (178, 15857), (207, 15911), (229, 15956), (251, 15986), (304, 16088), (309, 16100), (314, 16112), (320, 16130), (389, 16295), (408, 16325), (418, 16343), (431, 16367), (473, 16487), (511, 16577), (514, 16610),

Gene: Jifall16_39 Start: 29533, Stop: 30474, Start Num: 63
Candidate Starts for Jifall16_39:
(Start: 63 @29533 has 28 MA's), (115, 29620), (149, 29695), (173, 29761), (190, 29803), (223, 29860), (337, 30073), (347, 30100), (397, 30211), (460, 30343), (500, 30439),

Gene: JingleBells_29 Start: 17064, Stop: 17954, Start Num: 84
Candidate Starts for JingleBells_29:
(Start: 84 @17064 has 37 MA's), (200, 17319), (239, 17388), (253, 17412), (271, 17445), (368, 17634), (386, 17667), (418, 17724), (444, 17775), (475, 17865), (487, 17895), (508, 17946), (510, 17949),

Gene: JoieB_50 Start: 26435, Stop: 27397, Start Num: 77
Candidate Starts for JoieB_50:
(Start: 77 @26435 has 20 MA's), (147, 26567), (157, 26591), (161, 26600), (163, 26606), (166, 26615), (175, 26639), (178, 26648), (184, 26660), (251, 26786), (294, 26867), (301, 26882), (303, 26888), (349, 26996), (422, 27122), (426, 27128), (486, 27278), (489, 27284), (497, 27296), (499, 27299), (518, 27386), (520, 27389), (521, 27392),

Gene: Jolene_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Jolene_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Jolie2_17 Start: 14787, Stop: 15974, Start Num: 19
Candidate Starts for Jolie2_17:
(1, 13731), (5, 14433), (Start: 19 @14787 has 250 MA's), (35, 14886), (Start: 62 @14934 has 5 MA's), (Start: 89 @14979 has 3 MA's), (93, 14985), (107, 15009), (140, 15084), (169, 15153), (170, 15156), (180, 15180), (202, 15231), (207, 15237), (229, 15282), (309, 15426), (325, 15465), (339, 15486), (375, 15591), (433, 15699), (466, 15795), (511, 15903), (514, 15936), (516, 15942),

Gene: JonJames_46 Start: 32084, Stop: 32980, Start Num: 46
Candidate Starts for JonJames_46:
(Start: 46 @32084 has 3 MA's), (107, 32171), (136, 32237), (144, 32252), (148, 32258), (243, 32429), (273, 32486), (304, 32540), (314, 32564), (364, 32663), (371, 32681), (408, 32729), (422, 32747), (433, 32771), (500, 32939),

Gene: Jonghyun_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Jonghyun_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: JorRay_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for JorRay_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Joy99_22 Start: 15980, Stop: 17116, Start Num: 19
Candidate Starts for Joy99_22:
(Start: 19 @15980 has 250 MA's), (50, 16097), (107, 16187), (118, 16208), (126, 16229), (138, 16256), (262, 16511), (305, 16592), (342, 16667), (346, 16682), (408, 16793), (431, 16835), (463, 16928), (471, 16952), (511, 17045), (516, 17084), (520, 17102),

Gene: JrWilcox_70 Start: 35777, Stop: 36652, Start Num: 70
Candidate Starts for JrWilcox_70:
(Start: 70 @35777 has 8 MA's), (92, 35813), (127, 35885), (164, 35963), (169, 35978), (170, 35981), (193, 36029), (217, 36059), (237, 36098), (324, 36278), (332, 36290), (407, 36422), (420, 36446), (455, 36533), (471, 36581),

Gene: JuJu_18 Start: 15718, Stop: 16578, Start Num: 85
Candidate Starts for JuJu_18:
(Start: 85 @15718 has 15 MA's), (Start: 98 @15733 has 1 MA's), (166, 15874), (199, 15955), (313, 16162), (351, 16246), (381, 16312), (410, 16357), (460, 16447), (468, 16474), (474, 16489),

Gene: Juliette_23 Start: 17390, Stop: 18523, Start Num: 19
Candidate Starts for Juliette_23:
(Start: 19 @17390 has 250 MA's), (35, 17480), (50, 17510), (107, 17600), (126, 17642), (127, 17645), (133, 17657), (302, 17993), (304, 17999), (340, 18074), (371, 18152), (387, 18167), (408, 18200), (431, 18242), (432, 18245), (464, 18338), (511, 18452), (516, 18491), (520, 18509),

Gene: JustASigh_17 Start: 15253, Stop: 16359, Start Num: 32
Candidate Starts for JustASigh_17:
(Start: 32 @15253 has 1 MA's), (Start: 39 @15268 has 24 MA's), (Start: 56 @15298 has 19 MA's), (Start: 57 @15301 has 8 MA's), (118, 15397), (136, 15442), (138, 15445), (140, 15451), (149, 15466), (183, 15550), (236, 15670), (270, 15727), (277, 15742), (308, 15805), (345, 15886), (351, 15904), (416, 16045), (467, 16186), (468, 16189), (477, 16213), (499, 16252), (507, 16273), (512, 16291),

Gene: Kabluna_43 Start: 28640, Stop: 29557, Start Num: 64
Candidate Starts for Kabluna_43:
(Start: 64 @28640 has 6 MA's), (115, 28721), (Start: 131 @28757 has 1 MA's), (190, 28904), (314, 29138), (335, 29165), (397, 29309), (460, 29426), (500, 29522), (503, 29528), (507, 29543),

Gene: KappaFarmDelta_18 Start: 15961, Stop: 16821, Start Num: 88
Candidate Starts for KappaFarmDelta_18:
(Start: 83 @15955 has 18 MA's), (Start: 88 @15961 has 25 MA's), (125, 16027), (166, 16117), (199, 16198), (313, 16405), (351, 16489), (381, 16555), (385, 16561), (460, 16690), (468, 16717), (474, 16732),

Gene: Karate_29 Start: 17199, Stop: 18089, Start Num: 84
Candidate Starts for Karate_29:
(Start: 84 @17199 has 37 MA's), (144, 17319), (200, 17454), (239, 17523), (253, 17547), (271, 17580), (353, 17736), (368, 17769), (386, 17802), (444, 17910), (475, 18000), (487, 18030), (508, 18081), (510, 18084),

Gene: Kareem_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Kareem_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320,

16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Kasen3_17 Start: 15478, Stop: 16650, Start Num: 19
Candidate Starts for Kasen3_17:
(5, 15145), (Start: 19 @15478 has 250 MA's), (50, 15598), (Start: 62 @15616 has 5 MA's), (Start: 89 @15661 has 3 MA's), (93, 15667), (125, 15730), (140, 15766), (169, 15835), (170, 15838), (178, 15859), (207, 15913), (229, 15958), (251, 15988), (304, 16090), (309, 16102), (314, 16114), (320, 16132), (389, 16297), (408, 16327), (418, 16345), (431, 16369), (473, 16489), (511, 16579), (514, 16612),

Gene: Kate_30 Start: 17795, Stop: 18685, Start Num: 84
Candidate Starts for Kate_30:
(Start: 84 @17795 has 37 MA's), (239, 18119), (253, 18143), (271, 18176), (353, 18332), (444, 18506), (487, 18626), (508, 18677), (510, 18680),

Gene: Keiki_15 Start: 11295, Stop: 12242, Start Num: 60
Candidate Starts for Keiki_15:
(53, 11280), (Start: 57 @11286 has 8 MA's), (Start: 60 @11295 has 44 MA's), (78, 11328), (Start: 89 @11346 has 3 MA's), (91, 11349), (Start: 95 @11355 has 9 MA's), (108, 11379), (112, 11388), (125, 11418), (126, 11421), (127, 11424), (133, 11436), (139, 11451), (144, 11460), (158, 11490), (168, 11520), (173, 11535), (178, 11547), (180, 11550), (181, 11553), (195, 11586), (205, 11601), (218, 11619), (231, 11655), (235, 11661), (251, 11688), (262, 11712), (274, 11739), (289, 11766), (293, 11772), (321, 11835), (329, 11847), (348, 11889), (349, 11892), (350, 11895), (370, 11946), (384, 11961), (393, 11982), (402, 11997), (406, 12003), (411, 12012), (413, 12018), (449, 12090), (450, 12093), (453, 12111), (454, 12114), (459, 12123), (474, 12171), (477, 12183), (482, 12192), (488, 12207), (491, 12213), (501, 12228),

Gene: Keshu_21 Start: 16443, Stop: 17579, Start Num: 19
Candidate Starts for Keshu_21:
(Start: 19 @16443 has 250 MA's), (50, 16566), (Start: 89 @16629 has 3 MA's), (93, 16635), (112, 16665), (126, 16698), (170, 16803), (178, 16824), (181, 16830), (210, 16887), (229, 16926), (251, 16956), (262, 16980), (297, 17043), (314, 17079), (389, 17226), (408, 17256), (412, 17265), (431, 17298), (432, 17301), (433, 17304), (463, 17391), (503, 17478), (514, 17541), (516, 17547),

Gene: Kheparia_24 Start: 15975, Stop: 17111, Start Num: 19
Candidate Starts for Kheparia_24:
(Start: 19 @15975 has 250 MA's), (50, 16092), (118, 16203), (126, 16224), (138, 16251), (229, 16452), (262, 16506), (305, 16587), (342, 16662), (346, 16677), (408, 16788), (431, 16830), (463, 16923), (471, 16947), (511, 17040), (516, 17079), (520, 17097),

Gene: KiSi_21 Start: 15189, Stop: 16325, Start Num: 19
Candidate Starts for KiSi_21:
(Start: 19 @15189 has 250 MA's), (50, 15306), (Start: 62 @15324 has 5 MA's), (118, 15417), (138, 15465), (229, 15666), (262, 15720), (288, 15765), (297, 15786), (320, 15840), (340, 15873), (346, 15891), (371, 15954), (431, 16044), (432, 16047), (451, 16098), (463, 16137), (511, 16254), (516, 16293), (520, 16311),

Gene: KidneyBean_40 Start: 29657, Stop: 30598, Start Num: 63
Candidate Starts for KidneyBean_40:
(Start: 63 @29657 has 28 MA's), (115, 29744), (149, 29819), (173, 29885), (190, 29927), (223, 29984), (337, 30197), (347, 30224), (397, 30335), (460, 30467), (500, 30563),

Gene: Kimchi1738_30 Start: 26704, Stop: 27570, Start Num: 56
Candidate Starts for Kimchi1738_30:
(Start: 56 @26704 has 19 MA's), (68, 26728), (96, 26773), (125, 26833), (181, 26968), (266, 27130), (283, 27163), (335, 27238), (344, 27262), (410, 27337), (443, 27403), (460, 27439), (468, 27466), (492, 27523),

Gene: Kinbote_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for Kinbote_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: Kita_18 Start: 16949, Stop: 17776, Start Num: 103
Candidate Starts for Kita_18:
(Start: 103 @16949 has 37 MA's), (127, 17003), (140, 17030), (188, 17144), (190, 17150), (197, 17165), (275, 17288), (296, 17330), (302, 17339), (311, 17360), (353, 17444), (388, 17519), (465, 17663), (476, 17696),

Gene: Krampus_30 Start: 17793, Stop: 18683, Start Num: 84
Candidate Starts for Krampus_30:
(Start: 84 @17793 has 37 MA's), (239, 18117), (253, 18141), (271, 18174), (353, 18330), (444, 18504), (487, 18624), (508, 18675), (510, 18678),

Gene: Kratio_19 Start: 16054, Stop: 17184, Start Num: 21
Candidate Starts for Kratio_19:
(Start: 21 @16054 has 36 MA's), (Start: 89 @16228 has 3 MA's), (125, 16294), (126, 16297), (138, 16324), (178, 16423), (229, 16525), (262, 16579), (280, 16609), (297, 16645), (299, 16648), (304, 16657), (340, 16732), (342, 16735), (353, 16771), (371, 16813), (389, 16831), (391, 16837), (408, 16861), (409, 16864), (431, 16903), (467, 17008), (511, 17113), (516, 17152), (520, 17170),

Gene: Kraw_23 Start: 17413, Stop: 18546, Start Num: 19
Candidate Starts for Kraw_23:
(Start: 19 @17413 has 250 MA's), (23, 17431), (35, 17503), (50, 17533), (107, 17623), (126, 17665), (136, 17689), (180, 17794), (302, 18016), (304, 18022), (369, 18172), (371, 18175), (389, 18193), (408, 18223), (431, 18265), (432, 18268), (451, 18319), (507, 18460), (511, 18475), (516, 18514), (520, 18532),

Gene: Kromp_18 Start: 16065, Stop: 17072, Start Num: 47
Candidate Starts for Kromp_18:
(Start: 47 @16065 has 1 MA's), (110, 16185), (127, 16224), (133, 16236), (140, 16254), (181, 16350), (279, 16554), (286, 16566), (325, 16656), (327, 16659), (350, 16713), (351, 16716), (356, 16731), (358, 16734), (441, 16896),

Gene: Krueger_21 Start: 15170, Stop: 16309, Start Num: 19
Candidate Starts for Krueger_21:
(Start: 19 @15170 has 250 MA's), (50, 15290), (107, 15380), (138, 15449), (229, 15650), (305, 15785), (306, 15788), (346, 15875), (369, 15935), (389, 15956), (408, 15986), (431, 16028), (432, 16031), (433, 16034), (463, 16121), (471, 16145), (507, 16223), (511, 16238), (516, 16277), (520, 16295),

Gene: Kubed_15 Start: 11291, Stop: 12232, Start Num: 60
Candidate Starts for Kubed_15:

(Start: 57 @11282 has 8 MA's), (Start: 60 @11291 has 44 MA's), (78, 11324), (Start: 82 @11330 has 2 MA's), (Start: 89 @11342 has 3 MA's), (108, 11369), (112, 11378), (125, 11408), (126, 11411), (127, 11414), (133, 11426), (136, 11435), (144, 11450), (158, 11480), (168, 11510), (173, 11525), (180, 11540), (181, 11543), (218, 11609), (229, 11636), (231, 11645), (235, 11651), (251, 11678), (274, 11729), (288, 11753), (293, 11762), (321, 11825), (329, 11837), (349, 11882), (350, 11885), (370, 11936), (384, 11951), (393, 11972), (402, 11987), (411, 12002), (449, 12080), (450, 12083), (453, 12101), (454, 12104), (474, 12161), (477, 12173), (482, 12182), (488, 12197), (501, 12218),

Gene: Kurt_40 Start: 29894, Stop: 30835, Start Num: 63
Candidate Starts for Kurt_40:
(Start: 63 @29894 has 28 MA's), (115, 29981), (149, 30056), (173, 30122), (190, 30164), (223, 30221), (337, 30434), (347, 30461), (397, 30572), (460, 30704), (500, 30800),

Gene: Larva_20 Start: 16169, Stop: 17299, Start Num: 21
Candidate Starts for Larva_20:
(Start: 21 @16169 has 36 MA's), (Start: 89 @16343 has 3 MA's), (125, 16409), (138, 16439), (178, 16538), (229, 16640), (262, 16694), (280, 16724), (297, 16760), (299, 16763), (304, 16772), (340, 16847), (342, 16850), (353, 16886), (371, 16928), (389, 16946), (391, 16952), (408, 16976), (409, 16979), (431, 17018), (466, 17120), (511, 17228), (516, 17267), (520, 17285),

Gene: LastHope_22 Start: 15314, Stop: 16450, Start Num: 19
Candidate Starts for LastHope_22:
(Start: 19 @15314 has 250 MA's), (50, 15431), (118, 15542), (138, 15590), (180, 15692), (262, 15845), (305, 15926), (346, 16016), (408, 16127), (431, 16169), (463, 16262), (471, 16286), (511, 16379), (516, 16418), (520, 16436),

Gene: LaterM_22 Start: 15979, Stop: 17115, Start Num: 19
Candidate Starts for LaterM_22:
(Start: 19 @15979 has 250 MA's), (50, 16096), (118, 16207), (126, 16228), (138, 16255), (180, 16357), (262, 16510), (305, 16591), (346, 16681), (408, 16792), (431, 16834), (463, 16927), (471, 16951), (511, 17044), (516, 17083), (520, 17101),

Gene: Lauchelly_15 Start: 11298, Stop: 12245, Start Num: 60
Candidate Starts for Lauchelly_15:
(Start: 57 @11289 has 8 MA's), (Start: 58 @11292 has 12 MA's), (Start: 60 @11298 has 44 MA's), (78, 11331), (Start: 89 @11349 has 3 MA's), (91, 11352), (Start: 95 @11358 has 9 MA's), (108, 11382), (112, 11391), (125, 11421), (126, 11424), (127, 11427), (133, 11439), (136, 11448), (144, 11463), (158, 11493), (168, 11523), (173, 11538), (176, 11544), (181, 11556), (205, 11604), (218, 11622), (229, 11649), (231, 11658), (235, 11664), (251, 11691), (262, 11715), (274, 11742), (288, 11766), (293, 11775), (321, 11838), (329, 11850), (348, 11892), (349, 11895), (350, 11898), (370, 11949), (384, 11964), (393, 11985), (402, 12000), (411, 12015), (413, 12021), (449, 12093), (450, 12096), (453, 12114), (454, 12117), (474, 12174), (477, 12186), (482, 12195), (488, 12210), (491, 12216), (501, 12231),

Gene: Lavahound_20 Start: 16119, Stop: 17255, Start Num: 19
Candidate Starts for Lavahound_20:
(Start: 19 @16119 has 250 MA's), (50, 16236), (81, 16287), (138, 16395), (180, 16497), (181, 16500), (229, 16596), (262, 16650), (297, 16716), (304, 16728), (431, 16974), (432, 16977), (471, 17091), (511, 17184), (516, 17223), (520, 17241),

Gene: LeMond_21 Start: 15260, Stop: 16396, Start Num: 19
Candidate Starts for LeMond_21:

(Start: 19 @15260 has 250 MA's), (50, 15377), (Start: 62 @15395 has 5 MA's), (Start: 89 @15440 has 3 MA's), (118, 15488), (138, 15536), (229, 15737), (262, 15791), (288, 15836), (297, 15857), (320, 15911), (340, 15944), (346, 15962), (371, 16025), (431, 16115), (432, 16118), (451, 16169), (463, 16208), (511, 16325), (516, 16364), (520, 16382),

Gene: Lea83_21 Start: 16440, Stop: 17576, Start Num: 19
Candidate Starts for Lea83_21:
(Start: 19 @16440 has 250 MA's), (50, 16563), (Start: 89 @16626 has 3 MA's), (93, 16632), (112, 16662), (170, 16800), (178, 16821), (181, 16827), (210, 16884), (229, 16923), (251, 16953), (297, 17040), (314, 17076), (389, 17223), (408, 17253), (412, 17262), (431, 17295), (432, 17298), (433, 17301), (463, 17388), (503, 17475), (514, 17538), (516, 17544),

Gene: Lebo14_23 Start: 17506, Stop: 18639, Start Num: 19
Candidate Starts for Lebo14_23:
(Start: 19 @17506 has 250 MA's), (23, 17524), (35, 17596), (50, 17626), (107, 17716), (126, 17758), (136, 17782), (180, 17887), (262, 18040), (302, 18109), (304, 18115), (371, 18268), (389, 18286), (408, 18316), (431, 18358), (432, 18361), (507, 18553), (511, 18568), (516, 18607), (520, 18625),

Gene: Lemuria_17 Start: 14821, Stop: 16008, Start Num: 19
Candidate Starts for Lemuria_17:
(Start: 19 @14821 has 250 MA's), (Start: 62 @14968 has 5 MA's), (Start: 89 @15013 has 3 MA's), (93, 15019), (136, 15109), (169, 15187), (170, 15190), (178, 15211), (180, 15214), (202, 15265), (207, 15271), (229, 15316), (309, 15460), (320, 15490), (340, 15523), (375, 15625), (391, 15661), (408, 15685), (433, 15733), (466, 15829), (504, 15916), (511, 15937), (514, 15970), (516, 15976),

Gene: Leston_20 Start: 16453, Stop: 17583, Start Num: 21
Candidate Starts for Leston_20:
(Start: 21 @16453 has 36 MA's), (125, 16693), (126, 16696), (138, 16723), (178, 16822), (229, 16924), (262, 16978), (280, 17008), (297, 17044), (299, 17047), (304, 17056), (340, 17131), (342, 17134), (371, 17212), (389, 17230), (391, 17236), (408, 17260), (409, 17263), (412, 17269), (431, 17302), (511, 17512), (516, 17551), (520, 17569),

Gene: Leviosa_15 Start: 11312, Stop: 12259, Start Num: 60
Candidate Starts for Leviosa_15:
(53, 11297), (Start: 57 @11303 has 8 MA's), (Start: 60 @11312 has 44 MA's), (78, 11345), (Start: 89 @11363 has 3 MA's), (91, 11366), (Start: 95 @11372 has 9 MA's), (108, 11396), (112, 11405), (125, 11435), (126, 11438), (127, 11441), (133, 11453), (136, 11462), (158, 11507), (168, 11537), (173, 11552), (178, 11564), (181, 11570), (205, 11618), (218, 11636), (229, 11663), (231, 11672), (235, 11678), (251, 11705), (274, 11756), (288, 11780), (293, 11789), (321, 11852), (329, 11864), (348, 11906), (349, 11909), (350, 11912), (370, 11963), (384, 11978), (393, 11999), (402, 12014), (411, 12029), (413, 12035), (449, 12107), (450, 12110), (453, 12128), (454, 12131), (459, 12140), (474, 12188), (477, 12200), (482, 12209), (488, 12224), (491, 12230), (501, 12245),

Gene: Liefie_17 Start: 15476, Stop: 16648, Start Num: 19
Candidate Starts for Liefie_17:
(5, 15143), (Start: 19 @15476 has 250 MA's), (50, 15596), (Start: 62 @15614 has 5 MA's), (Start: 89 @15659 has 3 MA's), (93, 15665), (125, 15728), (140, 15764), (169, 15833), (170, 15836), (178, 15857), (207, 15911), (229, 15956), (251, 15986), (304, 16088), (309, 16100), (320, 16130), (389, 16295), (408, 16325), (418, 16343), (431, 16367), (473, 16487), (511, 16577), (514, 16610),

Gene: LilBandit_15 Start: 11296, Stop: 12243, Start Num: 60
Candidate Starts for LilBandit_15:

(53, 11281), (Start: 57 @11287 has 8 MA's), (Start: 60 @11296 has 44 MA's), (78, 11329), (Start: 89 @11347 has 3 MA's), (91, 11350), (Start: 95 @11356 has 9 MA's), (108, 11380), (112, 11389), (125, 11419), (126, 11422), (127, 11425), (133, 11437), (136, 11446), (158, 11491), (168, 11521), (173, 11536), (178, 11548), (181, 11554), (205, 11602), (218, 11620), (229, 11647), (231, 11656), (235, 11662), (251, 11689), (269, 11731), (274, 11740), (288, 11764), (293, 11773), (321, 11836), (329, 11848), (348, 11890), (349, 11893), (350, 11896), (364, 11929), (370, 11947), (384, 11962), (393, 11983), (402, 11998), (411, 12013), (413, 12019), (449, 12091), (450, 12094), (453, 12112), (454, 12115), (459, 12124), (474, 12172), (477, 12184), (482, 12193), (488, 12208), (491, 12214), (501, 12229),

Gene: LilDirt_19 Start: 16180, Stop: 17310, Start Num: 21
Candidate Starts for LilDirt_19:
(Start: 21 @16180 has 36 MA's), (Start: 89 @16354 has 3 MA's), (125, 16420), (126, 16423), (138, 16450), (178, 16549), (229, 16651), (262, 16705), (280, 16735), (297, 16771), (299, 16774), (304, 16783), (340, 16858), (342, 16861), (353, 16897), (371, 16939), (389, 16957), (391, 16963), (408, 16987), (409, 16990), (431, 17029), (511, 17239), (516, 17278), (520, 17296),

Gene: LilHazelnut_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for LilHazelnut_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: LilPharaoh_18 Start: 15554, Stop: 16696, Start Num: 19
Candidate Starts for LilPharaoh_18:
(Start: 19 @15554 has 250 MA's), (50, 15677), (107, 15767), (138, 15836), (178, 15935), (180, 15938), (229, 16037), (305, 16172), (408, 16373), (431, 16415), (432, 16418), (463, 16508), (471, 16532), (511, 16625), (516, 16664), (520, 16682),

Gene: Lilbit_48 Start: 26439, Stop: 27401, Start Num: 77
Candidate Starts for Lilbit_48:
(Start: 77 @26439 has 20 MA's), (147, 26571), (157, 26595), (161, 26604), (163, 26610), (166, 26619), (175, 26643), (178, 26652), (184, 26664), (189, 26676), (251, 26790), (294, 26871), (301, 26886), (303, 26892), (349, 27000), (422, 27126), (426, 27132), (453, 27207), (486, 27282), (489, 27288), (497, 27300), (499, 27303), (518, 27390), (520, 27393), (521, 27396),

Gene: Lilbooboo_13 Start: 10470, Stop: 11336, Start Num: 95
Candidate Starts for Lilbooboo_13:
(Start: 95 @10470 has 9 MA's), (100, 10479), (118, 10515), (137, 10563), (156, 10602), (181, 10671), (250, 10803), (283, 10866), (313, 10929), (467, 11232), (478, 11265),

Gene: LindNT_22 Start: 15985, Stop: 17121, Start Num: 19
Candidate Starts for LindNT_22:
(Start: 19 @15985 has 250 MA's), (50, 16102), (107, 16192), (118, 16213), (126, 16234), (138, 16261), (262, 16516), (305, 16597), (342, 16672), (346, 16687), (408, 16798), (431, 16840), (463, 16933), (471, 16957), (511, 17050), (516, 17089), (520, 17107),

Gene: LittleLaf_49 Start: 26168, Stop: 27130, Start Num: 77
Candidate Starts for LittleLaf_49:
(Start: 77 @26168 has 20 MA's), (147, 26300), (157, 26324), (161, 26333), (163, 26339), (166, 26348), (175, 26372), (178, 26381), (184, 26393), (189, 26405), (251, 26519), (294, 26600), (301, 26615),

(303, 26621), (349, 26729), (422, 26855), (426, 26861), (453, 26936), (486, 27011), (489, 27017), (497, 27029), (499, 27032), (518, 27119), (520, 27122), (521, 27125),

Gene: Llorens_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Llorens_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Lokum_22 Start: 16052, Stop: 17188, Start Num: 19
Candidate Starts for Lokum_22:
(Start: 19 @16052 has 250 MA's), (50, 16169), (107, 16259), (118, 16280), (126, 16301), (138, 16328), (262, 16583), (305, 16664), (342, 16739), (346, 16754), (408, 16865), (431, 16907), (463, 17000), (471, 17024), (511, 17117), (516, 17156), (520, 17174),

Gene: Lollipop1437_45 Start: 30536, Stop: 31453, Start Num: 63
Candidate Starts for Lollipop1437_45:
(Start: 63 @30536 has 28 MA's), (115, 30614), (149, 30689), (190, 30797), (236, 30881), (335, 31061), (337, 31067), (439, 31283), (460, 31322), (487, 31397), (500, 31418), (507, 31439),

Gene: LongHai_21 Start: 15192, Stop: 16304, Start Num: 22
Candidate Starts for LongHai_21:
(Start: 22 @15192 has 4 MA's), (24, 15240), (Start: 83 @15348 has 18 MA's), (Start: 89 @15357 has 3 MA's), (127, 15426), (139, 15453), (202, 15600), (264, 15708), (304, 15783), (307, 15792), (322, 15828), (353, 15897), (371, 15939), (408, 15984), (412, 15993), (442, 16050), (459, 16101), (480, 16161), (514, 16266),

Gene: LouisV14_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for LouisV14_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Lozinak_47 Start: 28712, Stop: 29593, Start Num: 58
Candidate Starts for Lozinak_47:
(Start: 56 @28706 has 19 MA's), (Start: 58 @28712 has 12 MA's), (Start: 88 @28760 has 25 MA's), (107, 28787), (139, 28859), (167, 28925), (178, 28955), (252, 29063), (304, 29156), (314, 29180), (319, 29195), (371, 29291), (408, 29339), (483, 29519), (502, 29555),

Gene: Luke_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for Luke_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: Luna22_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for Luna22_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714),

(242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: Lunahalos_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Lunahalos_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Lysidious_19 Start: 16311, Stop: 17177, Start Num: 83
Candidate Starts for Lysidious_19:
(Start: 83 @16311 has 18 MA's), (Start: 88 @16317 has 25 MA's), (166, 16473), (199, 16554), (232, 16611), (238, 16620), (259, 16653), (313, 16761), (351, 16845), (381, 16911), (385, 16917), (460, 17046), (474, 17088),

Gene: MEAK_15 Start: 11282, Stop: 12229, Start Num: 60
Candidate Starts for MEAK_15:
(Start: 57 @11273 has 8 MA's), (Start: 58 @11276 has 12 MA's), (Start: 60 @11282 has 44 MA's), (78, 11315), (Start: 89 @11333 has 3 MA's), (91, 11336), (Start: 95 @11342 has 9 MA's), (108, 11366), (112, 11375), (125, 11405), (126, 11408), (127, 11411), (136, 11432), (158, 11477), (168, 11507), (173, 11522), (178, 11534), (180, 11537), (181, 11540), (205, 11588), (218, 11606), (231, 11642), (235, 11648), (251, 11675), (262, 11699), (274, 11726), (289, 11753), (293, 11759), (321, 11822), (329, 11834), (348, 11876), (349, 11879), (350, 11882), (364, 11915), (370, 11933), (384, 11948), (393, 11969), (402, 11984), (411, 11999), (413, 12005), (449, 12077), (450, 12080), (453, 12098), (454, 12101), (459, 12110), (474, 12158), (477, 12170), (482, 12179), (488, 12194), (491, 12200), (501, 12215),

Gene: MOOREtheMARYer_17 Start: 15720, Stop: 16898, Start Num: 19
Candidate Starts for MOOREtheMARYer_17:
(Start: 15 @15684 has 2 MA's), (Start: 19 @15720 has 250 MA's), (Start: 62 @15864 has 5 MA's), (93, 15915), (126, 15981), (127, 15984), (140, 16014), (170, 16086), (202, 16155), (207, 16161), (282, 16296), (309, 16350), (339, 16410), (376, 16518), (389, 16545), (408, 16575), (431, 16617), (466, 16719), (499, 16791), (502, 16794), (507, 16812), (514, 16860),

Gene: MZKinsey_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for MZKinsey_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Mabodamaca_16 Start: 13111, Stop: 13977, Start Num: 83
Candidate Starts for Mabodamaca_16:
(Start: 83 @13111 has 18 MA's), (127, 13195), (140, 13225), (178, 13315), (181, 13321), (351, 13624), (483, 13909),

Gene: MacGully_49 Start: 30719, Stop: 31612, Start Num: 89
Candidate Starts for MacGully_49:
(Start: 39 @30635 has 24 MA's), (Start: 61 @30683 has 1 MA's), (Start: 89 @30719 has 3 MA's), (91, 30722), (168, 30890), (170, 30896), (228, 31013), (236, 31031), (246, 31046), (287, 31121), (314, 31181), (335, 31220), (337, 31226), (397, 31364), (433, 31424), (447, 31457), (460, 31481), (482,

31544), (500, 31577), (503, 31583),

Gene: MacKat_22 Start: 16028, Stop: 17164, Start Num: 19
Candidate Starts for MacKat_22:
(Start: 19 @16028 has 250 MA's), (50, 16145), (107, 16235), (118, 16256), (126, 16277), (138, 16304), (262, 16559), (305, 16640), (342, 16715), (346, 16730), (408, 16841), (431, 16883), (463, 16976), (471, 17000), (511, 17093), (516, 17132), (520, 17150),

Gene: MacnCheese_22 Start: 16685, Stop: 17821, Start Num: 19
Candidate Starts for MacnCheese_22:
(Start: 19 @16685 has 250 MA's), (50, 16808), (Start: 89 @16871 has 3 MA's), (93, 16877), (107, 16898), (112, 16907), (126, 16940), (170, 17045), (178, 17066), (229, 17168), (251, 17198), (262, 17222), (276, 17243), (297, 17285), (314, 17321), (389, 17468), (408, 17498), (412, 17507), (431, 17540), (432, 17543), (433, 17546), (463, 17633), (477, 17672), (503, 17720), (513, 17777), (514, 17783), (516, 17789),

Gene: Maco6_18 Start: 14149, Stop: 15261, Start Num: 22
Candidate Starts for Maco6_18:
(Start: 22 @14149 has 4 MA's), (24, 14197), (Start: 83 @14305 has 18 MA's), (Start: 89 @14314 has 3 MA's), (127, 14383), (133, 14395), (139, 14410), (202, 14557), (264, 14665), (304, 14740), (307, 14749), (322, 14785), (353, 14854), (371, 14896), (408, 14941), (412, 14950), (442, 15007), (477, 15112), (514, 15223),

Gene: Madavieve_18 Start: 17220, Stop: 18047, Start Num: 103
Candidate Starts for Madavieve_18:
(Start: 103 @17220 has 37 MA's), (138, 17295), (188, 17415), (190, 17421), (234, 17487), (241, 17499), (272, 17556), (278, 17565), (296, 17601), (302, 17610), (311, 17631), (353, 17715), (388, 17790), (398, 17811), (465, 17934), (476, 17967),

Gene: Madeline_18 Start: 17238, Stop: 18065, Start Num: 103
Candidate Starts for Madeline_18:
(Start: 103 @17238 has 37 MA's), (127, 17292), (140, 17319), (188, 17433), (190, 17439), (197, 17454), (275, 17577), (296, 17619), (302, 17628), (311, 17649), (353, 17733), (388, 17808), (465, 17952), (476, 17985),

Gene: MakCheese_19 Start: 15000, Stop: 16061, Start Num: 45
Candidate Starts for MakCheese_19:
(Start: 40 @14991 has 1 MA's), (45, 15000), (107, 15093), (126, 15135), (149, 15183), (222, 15351), (230, 15375), (233, 15381), (272, 15453), (277, 15462), (279, 15465), (284, 15474), (351, 15615), (363, 15642), (377, 15684), (404, 15732), (480, 15924), (482, 15927), (499, 15957), (510, 15987), (511, 15993), (515, 16029), (516, 16032),

Gene: Malachai_19 Start: 16271, Stop: 17131, Start Num: 88
Candidate Starts for Malachai_19:
(Start: 83 @16265 has 18 MA's), (Start: 88 @16271 has 25 MA's), (166, 16427), (199, 16508), (259, 16607), (313, 16715), (351, 16799), (385, 16871), (460, 17000), (474, 17042),

Gene: MalagasyRose_23 Start: 15476, Stop: 16555, Start Num: 34
Candidate Starts for MalagasyRose_23:
(Start: 34 @15476 has 7 MA's), (Start: 56 @15518 has 19 MA's), (65, 15542), (Start: 89 @15581 has 3 MA's), (127, 15650), (138, 15674), (140, 15680), (159, 15719), (180, 15776), (191, 15803), (195, 15809), (210, 15830), (213, 15833), (240, 15881), (251, 15899), (262, 15923), (264, 15926), (297, 15989), (304, 16001), (307, 16010), (310, 16016), (320, 16043), (322, 16046), (345, 16091), (360,

16133), (389, 16187), (396, 16205), (445, 16307), (451, 16328), (459, 16352), (502, 16454), (507, 16472), (511, 16487), (515, 16523),

Gene: Maliketh_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Maliketh_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Malthus_24 Start: 17413, Stop: 18546, Start Num: 19
Candidate Starts for Malthus_24:
(Start: 19 @17413 has 250 MA's), (23, 17431), (35, 17503), (50, 17533), (107, 17623), (126, 17665), (136, 17689), (180, 17794), (302, 18016), (304, 18022), (369, 18172), (371, 18175), (389, 18193), (408, 18223), (431, 18265), (432, 18268), (451, 18319), (507, 18460), (511, 18475), (516, 18514), (520, 18532),

Gene: Manasvini_18 Start: 16949, Stop: 17776, Start Num: 103
Candidate Starts for Manasvini_18:
(Start: 103 @16949 has 37 MA's), (127, 17003), (140, 17030), (188, 17144), (190, 17150), (197, 17165), (275, 17288), (296, 17330), (302, 17339), (311, 17360), (353, 17444), (388, 17519), (465, 17663), (476, 17696),

Gene: Manilisa_22 Start: 18190, Stop: 19050, Start Num: 57
Candidate Starts for Manilisa_22:
(Start: 57 @18190 has 8 MA's), (Start: 61 @18196 has 1 MA's), (Start: 82 @18232 has 2 MA's), (Start: 83 @18235 has 18 MA's), (166, 18403), (171, 18418), (176, 18430), (243, 18526), (245, 18529), (249, 18538), (256, 18550), (262, 18565), (330, 18694), (407, 18814), (422, 18835), (432, 18856), (448, 18886), (477, 18976),

Gene: Marcoliusprime_18 Start: 13889, Stop: 15016, Start Num: 21
Candidate Starts for Marcoliusprime_18:
(Start: 21 @13889 has 36 MA's), (23, 13898), (50, 14000), (107, 14090), (126, 14132), (127, 14135), (138, 14159), (178, 14258), (210, 14321), (229, 14360), (262, 14414), (297, 14480), (304, 14492), (325, 14543), (340, 14567), (371, 14645), (389, 14663), (408, 14693), (412, 14702), (431, 14735), (432, 14738), (471, 14852), (507, 14930), (511, 14945), (516, 14984), (520, 15002),

Gene: Mareelih_98 Start: 58510, Stop: 59445, Start Num: 76
Candidate Starts for Mareelih_98:
(Start: 76 @58510 has 5 MA's), (Start: 87 @58525 has 1 MA's), (90, 58531), (94, 58537), (152, 58654), (154, 58657), (171, 58708), (186, 58744), (255, 58879), (279, 58915), (295, 58945), (413, 59197), (433, 59242), (446, 59272), (449, 59278), (459, 59305), (471, 59344), (502, 59413),

Gene: Maridalia_17 Start: 16949, Stop: 17776, Start Num: 103
Candidate Starts for Maridalia_17:
(Start: 103 @16949 has 37 MA's), (127, 17003), (140, 17030), (188, 17144), (190, 17150), (197, 17165), (275, 17288), (296, 17330), (302, 17339), (311, 17360), (353, 17444), (388, 17519), (465, 17663), (476, 17696),

Gene: Marietta_42 Start: 26965, Stop: 27885, Start Num: 67
Candidate Starts for Marietta_42:

(Start: 67 @26965 has 9 MA's), (115, 27046), (134, 27091), (164, 27160), (223, 27286), (246, 27328), (291, 27412), (314, 27463), (337, 27496), (372, 27586), (433, 27694), (439, 27712), (460, 27754), (496, 27844), (500, 27850), (507, 27871),

Gene: MarkPhew_22 Start: 15151, Stop: 16287, Start Num: 19
Candidate Starts for MarkPhew_22:
(Start: 19 @15151 has 250 MA's), (50, 15268), (Start: 62 @15286 has 5 MA's), (107, 15358), (118, 15379), (138, 15427), (180, 15529), (181, 15532), (229, 15628), (288, 15727), (297, 15748), (340, 15835), (346, 15853), (371, 15916), (431, 16006), (432, 16009), (463, 16099), (511, 16216), (513, 16243), (516, 16255), (520, 16273),

Gene: Marmie_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Marmie_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Marshawn_23 Start: 15766, Stop: 16905, Start Num: 19
Candidate Starts for Marshawn_23:
(16, 15754), (Start: 19 @15766 has 250 MA's), (50, 15886), (107, 15976), (138, 16045), (229, 16246), (262, 16300), (297, 16366), (304, 16378), (325, 16429), (391, 16558), (408, 16582), (431, 16624), (432, 16627), (433, 16630), (451, 16678), (463, 16717), (513, 16861), (516, 16873), (520, 16891),

Gene: Marvin_47 Start: 26438, Stop: 27400, Start Num: 77
Candidate Starts for Marvin_47:
(Start: 77 @26438 has 20 MA's), (147, 26570), (157, 26594), (161, 26603), (163, 26609), (166, 26618), (175, 26642), (178, 26651), (184, 26663), (251, 26789), (294, 26870), (301, 26885), (303, 26891), (349, 26999), (422, 27125), (426, 27131), (486, 27281), (489, 27287), (497, 27299), (499, 27302), (518, 27389), (520, 27392), (521, 27395),

Gene: Maselop_44 Start: 30439, Stop: 31365, Start Num: 62
Candidate Starts for Maselop_44:
(Start: 62 @30439 has 5 MA's), (Start: 89 @30475 has 3 MA's), (149, 30592), (164, 30631), (170, 30649), (190, 30700), (246, 30799), (287, 30874), (291, 30883), (325, 30958), (337, 30979), (397, 31117), (421, 31153), (438, 31192), (460, 31234), (482, 31297), (500, 31330),

Gene: McMater_22 Start: 15375, Stop: 16514, Start Num: 19
Candidate Starts for McMater_22:
(Start: 19 @15375 has 250 MA's), (50, 15495), (107, 15585), (138, 15654), (178, 15753), (180, 15756), (229, 15855), (262, 15909), (305, 15990), (342, 16065), (346, 16080), (391, 16167), (408, 16191), (431, 16233), (432, 16236), (451, 16287), (463, 16326), (502, 16410), (507, 16428), (511, 16443), (516, 16482), (520, 16500),

Gene: Mcklovin_19 Start: 19238, Stop: 20074, Start Num: 97
Candidate Starts for Mcklovin_19:
(Start: 97 @19238 has 19 MA's), (Start: 103 @19247 has 37 MA's), (123, 19289), (138, 19322), (146, 19337), (190, 19448), (193, 19454), (219, 19493), (255, 19547), (261, 19562), (275, 19586), (278, 19592), (296, 19628), (311, 19658), (315, 19667), (388, 19817), (436, 19907), (476, 19994),

Gene: Mdavu_18 Start: 15542, Stop: 16684, Start Num: 19
Candidate Starts for Mdavu_18:

(Start: 19 @15542 has 250 MA's), (50, 15665), (107, 15755), (138, 15824), (178, 15923), (180, 15926), (229, 16025), (305, 16160), (408, 16361), (431, 16403), (432, 16406), (463, 16496), (471, 16520), (511, 16613), (516, 16652), (520, 16670),

Gene: MeaningOfLife_22 Start: 15987, Stop: 17123, Start Num: 19
Candidate Starts for MeaningOfLife_22:
(Start: 19 @15987 has 250 MA's), (50, 16104), (107, 16194), (118, 16215), (126, 16236), (138, 16263), (262, 16518), (305, 16599), (342, 16674), (346, 16689), (408, 16800), (412, 16809), (431, 16842), (463, 16935), (471, 16959), (511, 17052), (516, 17091), (520, 17109),

Gene: Megsy_22 Start: 15988, Stop: 17124, Start Num: 19
Candidate Starts for Megsy_22:
(Start: 19 @15988 has 250 MA's), (50, 16105), (107, 16195), (118, 16216), (126, 16237), (138, 16264), (262, 16519), (305, 16600), (342, 16675), (346, 16690), (408, 16801), (431, 16843), (463, 16936), (467, 16948), (471, 16960), (511, 17053), (516, 17092), (520, 17110),

Gene: Melba_18 Start: 15787, Stop: 16653, Start Num: 83
Candidate Starts for Melba_18:
(Start: 83 @15787 has 18 MA's), (Start: 88 @15793 has 25 MA's), (166, 15949), (199, 16030), (259, 16129), (313, 16237), (351, 16321), (385, 16393), (460, 16522), (468, 16549), (474, 16564),

Gene: Mellie_17 Start: 15554, Stop: 16414, Start Num: 88
Candidate Starts for Mellie_17:
(Start: 83 @15548 has 18 MA's), (Start: 88 @15554 has 25 MA's), (166, 15710), (199, 15791), (259, 15890), (313, 15998), (351, 16082), (381, 16148), (410, 16193), (460, 16283), (474, 16325),

Gene: Mendokysei_17 Start: 15828, Stop: 16793, Start Num: 70
Candidate Starts for Mendokysei_17:
(Start: 70 @15828 has 8 MA's), (Start: 88 @15855 has 25 MA's), (Start: 98 @15873 has 1 MA's), (182, 16053), (225, 16128), (269, 16221), (298, 16278), (303, 16287), (343, 16371), (434, 16548), (439, 16563), (452, 16596), (469, 16647), (487, 16689), (506, 16728), (509, 16737),

Gene: MerCougar_41 Start: 29816, Stop: 30739, Start Num: 63
Candidate Starts for MerCougar_41:
(Start: 63 @29816 has 28 MA's), (115, 29903), (Start: 131 @29939 has 1 MA's), (149, 29978), (335, 30347), (397, 30491), (460, 30608), (500, 30704), (503, 30710), (507, 30725),

Gene: Mercurio_18 Start: 15481, Stop: 16668, Start Num: 19
Candidate Starts for Mercurio_18:
(Start: 19 @15481 has 250 MA's), (Start: 62 @15628 has 5 MA's), (Start: 89 @15673 has 3 MA's), (93, 15679), (136, 15769), (169, 15847), (170, 15850), (178, 15871), (180, 15874), (202, 15925), (207, 15931), (229, 15976), (309, 16120), (320, 16150), (340, 16183), (375, 16285), (391, 16321), (408, 16345), (433, 16393), (466, 16489), (502, 16564), (511, 16597), (514, 16630), (516, 16636),

Gene: Meyran_20 Start: 18053, Stop: 18913, Start Num: 57
Candidate Starts for Meyran_20:
(Start: 57 @18053 has 8 MA's), (Start: 61 @18059 has 1 MA's), (Start: 82 @18095 has 2 MA's), (Start: 83 @18098 has 18 MA's), (166, 18266), (171, 18281), (176, 18293), (243, 18389), (245, 18392), (249, 18401), (256, 18413), (262, 18428), (330, 18557), (407, 18677), (422, 18698), (432, 18719), (448, 18749), (477, 18839),

Gene: MichaelScott_19 Start: 16864, Stop: 17706, Start Num: 97
Candidate Starts for MichaelScott_19:

(Start: 97 @16864 has 19 MA's), (Start: 103 @16873 has 37 MA's), (123, 16915), (138, 16948), (146, 16963), (166, 17011), (185, 17059), (190, 17074), (193, 17080), (219, 17119), (255, 17173), (275, 17212), (278, 17218), (296, 17254), (311, 17284), (315, 17293), (388, 17449), (476, 17626),

Gene: Milly_18 Start: 13889, Stop: 15016, Start Num: 21
Candidate Starts for Milly_18:
(Start: 21 @13889 has 36 MA's), (23, 13898), (50, 14000), (107, 14090), (126, 14132), (127, 14135), (138, 14159), (178, 14258), (210, 14321), (229, 14360), (262, 14414), (297, 14480), (304, 14492), (325, 14543), (340, 14567), (371, 14645), (389, 14663), (408, 14693), (412, 14702), (431, 14735), (432, 14738), (471, 14852), (507, 14930), (511, 14945), (516, 14984), (520, 15002),

Gene: MintFen_18 Start: 15793, Stop: 16653, Start Num: 88
Candidate Starts for MintFen_18:
(Start: 83 @15787 has 18 MA's), (Start: 88 @15793 has 25 MA's), (166, 15949), (199, 16030), (259, 16129), (313, 16237), (351, 16321), (385, 16393), (460, 16522), (468, 16549), (474, 16564),

Gene: Miryou_20 Start: 16308, Stop: 17438, Start Num: 21
Candidate Starts for Miryou_20:
(Start: 21 @16308 has 36 MA's), (126, 16551), (138, 16578), (178, 16677), (229, 16779), (262, 16833), (280, 16863), (297, 16899), (299, 16902), (304, 16911), (340, 16986), (342, 16989), (353, 17025), (371, 17067), (389, 17085), (391, 17091), (408, 17115), (409, 17118), (412, 17124), (431, 17157), (511, 17367), (516, 17406), (520, 17424),

Gene: Miskis_45 Start: 28475, Stop: 29356, Start Num: 58
Candidate Starts for Miskis_45:
(Start: 56 @28469 has 19 MA's), (Start: 58 @28475 has 12 MA's), (Start: 88 @28523 has 25 MA's), (107, 28550), (139, 28622), (167, 28688), (178, 28718), (252, 28826), (304, 28919), (314, 28943), (319, 28958), (371, 29054), (408, 29102), (483, 29282), (502, 29318),

Gene: MissDaisy_23 Start: 17255, Stop: 18388, Start Num: 19
Candidate Starts for MissDaisy_23:
(Start: 19 @17255 has 250 MA's), (23, 17273), (35, 17345), (50, 17375), (107, 17465), (112, 17474), (126, 17507), (136, 17531), (180, 17636), (262, 17789), (302, 17858), (304, 17864), (371, 18017), (389, 18035), (408, 18065), (431, 18107), (432, 18110), (507, 18302), (511, 18317), (516, 18356), (520, 18374),

Gene: MissRona_20 Start: 16105, Stop: 16965, Start Num: 85
Candidate Starts for MissRona_20:
(Start: 85 @16105 has 15 MA's), (Start: 98 @16120 has 1 MA's), (151, 16222), (166, 16261), (199, 16342), (250, 16426), (259, 16441), (313, 16549), (351, 16633), (381, 16699), (385, 16705), (410, 16744), (460, 16834), (474, 16876),

Gene: Mitti_23 Start: 17413, Stop: 18546, Start Num: 19
Candidate Starts for Mitti_23:
(Start: 19 @17413 has 250 MA's), (23, 17431), (35, 17503), (50, 17533), (107, 17623), (126, 17665), (136, 17689), (180, 17794), (262, 17947), (302, 18016), (304, 18022), (371, 18175), (389, 18193), (408, 18223), (431, 18265), (432, 18268), (507, 18460), (511, 18475), (516, 18514), (520, 18532),

Gene: Mollymur_30 Start: 27246, Stop: 28130, Start Num: 56
Candidate Starts for Mollymur_30:
(27, 27171), (Start: 56 @27246 has 19 MA's), (Start: 67 @27267 has 9 MA's), (119, 27345), (139, 27393), (144, 27402), (178, 27489), (262, 27618), (304, 27690), (306, 27696), (371, 27825), (448, 27948), (453, 27969), (462, 27996),

Gene: MortySmith_28 Start: 16923, Stop: 17813, Start Num: 84
Candidate Starts for MortySmith_28:
(Start: 84 @16923 has 37 MA's), (200, 17178), (239, 17247), (253, 17271), (271, 17304), (368, 17493), (386, 17526), (418, 17583), (444, 17634), (475, 17724), (487, 17754), (508, 17805), (510, 17808),

Gene: MosMoris_47 Start: 25618, Stop: 26580, Start Num: 77
Candidate Starts for MosMoris_47:
(Start: 77 @25618 has 20 MA's), (147, 25750), (157, 25774), (161, 25783), (163, 25789), (166, 25798), (175, 25822), (178, 25831), (184, 25843), (251, 25969), (294, 26050), (301, 26065), (303, 26071), (349, 26179), (422, 26305), (426, 26311), (453, 26386), (486, 26461), (489, 26467), (497, 26479), (499, 26482), (518, 26569), (520, 26572), (521, 26575),

Gene: Mowgli_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Mowgli_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Moyashi_15 Start: 11324, Stop: 12265, Start Num: 60
Candidate Starts for Moyashi_15:
(54, 11309), (Start: 57 @11315 has 8 MA's), (Start: 58 @11318 has 12 MA's), (Start: 60 @11324 has 44 MA's), (78, 11357), (Start: 82 @11363 has 2 MA's), (Start: 89 @11375 has 3 MA's), (108, 11402), (112, 11411), (124, 11438), (125, 11441), (126, 11444), (127, 11447), (133, 11459), (136, 11468), (158, 11513), (168, 11543), (173, 11558), (176, 11564), (178, 11570), (180, 11573), (181, 11576), (190, 11600), (205, 11624), (218, 11642), (231, 11678), (235, 11684), (251, 11711), (262, 11735), (274, 11762), (289, 11789), (293, 11795), (321, 11858), (329, 11870), (348, 11912), (349, 11915), (354, 11930), (370, 11969), (384, 11984), (393, 12005), (402, 12020), (411, 12035), (413, 12041), (449, 12113), (450, 12116), (453, 12134), (454, 12137), (459, 12146), (474, 12194), (477, 12206), (482, 12215), (488, 12230), (491, 12236), (501, 12251),

Gene: MrAK_15 Start: 11335, Stop: 12276, Start Num: 60
Candidate Starts for MrAK_15:
(51, 11317), (Start: 60 @11335 has 44 MA's), (78, 11368), (Start: 82 @11374 has 2 MA's), (Start: 89 @11386 has 3 MA's), (108, 11413), (112, 11422), (125, 11452), (126, 11455), (127, 11458), (133, 11470), (136, 11479), (144, 11494), (155, 11518), (158, 11524), (168, 11554), (173, 11569), (178, 11581), (181, 11587), (205, 11635), (218, 11653), (231, 11689), (235, 11695), (251, 11722), (252, 11725), (262, 11746), (274, 11773), (288, 11797), (293, 11806), (321, 11869), (348, 11923), (349, 11926), (370, 11980), (384, 11995), (393, 12016), (402, 12031), (411, 12046), (413, 12052), (449, 12124), (450, 12127), (453, 12145), (454, 12148), (459, 12157), (474, 12205), (477, 12217), (482, 12226), (488, 12241), (491, 12247), (501, 12262),

Gene: Muddy_20 Start: 15099, Stop: 16211, Start Num: 22
Candidate Starts for Muddy_20:
(Start: 22 @15099 has 4 MA's), (24, 15147), (Start: 83 @15255 has 18 MA's), (Start: 89 @15264 has 3 MA's), (127, 15333), (139, 15360), (202, 15507), (264, 15615), (304, 15690), (307, 15699), (322, 15735), (353, 15804), (371, 15846), (408, 15891), (412, 15900), (442, 15957), (477, 16062), (514, 16173),

Gene: Mufasa_18 Start: 13909, Stop: 15036, Start Num: 21
Candidate Starts for Mufasa_18:

(Start: 21 @13909 has 36 MA's), (23, 13918), (50, 14020), (107, 14110), (126, 14152), (138, 14179), (176, 14272), (178, 14278), (210, 14341), (229, 14380), (262, 14434), (304, 14512), (325, 14563), (340, 14587), (371, 14665), (389, 14683), (408, 14713), (431, 14755), (432, 14758), (471, 14872), (507, 14950), (511, 14965), (516, 15004), (520, 15022),

Gene: Mulch_21 Start: 16293, Stop: 17354, Start Num: 44
Candidate Starts for Mulch_21:
(Start: 44 @16293 has 18 MA's), (74, 16338), (93, 16368), (149, 16476), (212, 16626), (233, 16674), (279, 16758), (284, 16767), (306, 16809), (380, 16986), (399, 17019), (418, 17055), (499, 17250), (515, 17322), (516, 17325),

Gene: Murp_18 Start: 15861, Stop: 16721, Start Num: 85
Candidate Starts for Murp_18:
(Start: 85 @15861 has 15 MA's), (166, 16017), (199, 16098), (259, 16197), (313, 16305), (351, 16389), (381, 16455), (385, 16461), (460, 16590), (474, 16632),

Gene: Murucutumbu_22 Start: 15969, Stop: 17105, Start Num: 19
Candidate Starts for Murucutumbu_22:
(Start: 19 @15969 has 250 MA's), (50, 16086), (118, 16197), (126, 16218), (138, 16245), (180, 16347), (262, 16500), (305, 16581), (346, 16671), (408, 16782), (431, 16824), (463, 16917), (471, 16941), (511, 17034), (516, 17073), (520, 17091),

Gene: Mynx_22 Start: 16034, Stop: 17170, Start Num: 19
Candidate Starts for Mynx_22:
(Start: 19 @16034 has 250 MA's), (50, 16151), (107, 16241), (118, 16262), (126, 16283), (138, 16310), (262, 16565), (305, 16646), (342, 16721), (346, 16736), (408, 16847), (431, 16889), (463, 16982), (471, 17006), (511, 17099), (516, 17138), (520, 17156),

Gene: Nadeem_21 Start: 16293, Stop: 17354, Start Num: 44
Candidate Starts for Nadeem_21:
(Start: 44 @16293 has 18 MA's), (74, 16338), (93, 16368), (149, 16476), (212, 16626), (233, 16674), (279, 16758), (284, 16767), (306, 16809), (380, 16986), (399, 17019), (418, 17055), (499, 17250), (515, 17322), (516, 17325),

Gene: NadineRae_40 Start: 26218, Stop: 27138, Start Num: 67
Candidate Starts for NadineRae_40:
(Start: 67 @26218 has 9 MA's), (115, 26299), (134, 26344), (164, 26413), (223, 26539), (246, 26581), (291, 26665), (314, 26716), (337, 26749), (433, 26947), (439, 26965), (460, 27007), (500, 27103), (507, 27124),

Gene: Nairb_18 Start: 16018, Stop: 16983, Start Num: 70
Candidate Starts for Nairb_18:
(Start: 70 @16018 has 8 MA's), (Start: 88 @16045 has 25 MA's), (Start: 98 @16063 has 1 MA's), (181, 16240), (182, 16243), (225, 16318), (256, 16384), (269, 16411), (298, 16468), (303, 16477), (424, 16714), (434, 16738), (469, 16837), (477, 16858), (487, 16879), (506, 16918), (509, 16927),

Gene: NancyRae_21 Start: 16299, Stop: 17360, Start Num: 44
Candidate Starts for NancyRae_21:
(Start: 44 @16299 has 18 MA's), (74, 16344), (93, 16374), (149, 16482), (212, 16632), (233, 16680), (279, 16764), (284, 16773), (306, 16815), (380, 16992), (399, 17025), (418, 17061), (499, 17256), (515, 17328), (516, 17331),

Gene: NarutoRun_30 Start: 17786, Stop: 18676, Start Num: 84

Candidate Starts for NarutoRun_30:
(Start: 84 @17786 has 37 MA's), (239, 18110), (253, 18134), (271, 18167), (353, 18323), (444, 18497), (487, 18617), (508, 18668), (510, 18671),

Gene: NatB6_40 Start: 28930, Stop: 29871, Start Num: 63
Candidate Starts for NatB6_40:
(Start: 63 @28930 has 28 MA's), (115, 29017), (149, 29092), (173, 29158), (190, 29200), (223, 29257), (337, 29470), (347, 29497), (397, 29608), (460, 29740), (500, 29836),

Gene: Nebkiss_14 Start: 13326, Stop: 14438, Start Num: 30
Candidate Starts for Nebkiss_14:
(Start: 30 @13326 has 2 MA's), (31, 13329), (80, 13422), (Start: 84 @13428 has 37 MA's), (112, 13473), (125, 13503), (136, 13530), (138, 13533), (140, 13539), (149, 13554), (150, 13557), (176, 13626), (178, 13632), (210, 13710), (245, 13767), (262, 13803), (297, 13869), (304, 13881), (348, 13983), (349, 13986), (359, 14013), (379, 14076), (431, 14157), (433, 14163), (453, 14220), (463, 14250), (468, 14265), (477, 14289), (480, 14295), (507, 14352), (520, 14424),

Gene: Neighly_20 Start: 16168, Stop: 17298, Start Num: 21
Candidate Starts for Neighly_20:
(Start: 21 @16168 has 36 MA's), (Start: 89 @16342 has 3 MA's), (125, 16408), (138, 16438), (178, 16537), (229, 16639), (262, 16693), (280, 16723), (297, 16759), (299, 16762), (304, 16771), (340, 16846), (342, 16849), (353, 16885), (371, 16927), (389, 16945), (391, 16951), (408, 16975), (409, 16978), (431, 17017), (466, 17119), (511, 17227), (516, 17266), (520, 17284),

Gene: Neobush_18 Start: 16949, Stop: 17776, Start Num: 103
Candidate Starts for Neobush_18:
(Start: 103 @16949 has 37 MA's), (127, 17003), (140, 17030), (188, 17144), (190, 17150), (197, 17165), (275, 17288), (296, 17330), (302, 17339), (311, 17360), (353, 17444), (388, 17519), (465, 17663), (476, 17696),

Gene: Neoh_17 Start: 15469, Stop: 16641, Start Num: 19
Candidate Starts for Neoh_17:
(5, 15136), (Start: 19 @15469 has 250 MA's), (50, 15589), (Start: 62 @15607 has 5 MA's), (Start: 89 @15652 has 3 MA's), (93, 15658), (125, 15721), (140, 15757), (169, 15826), (170, 15829), (178, 15850), (207, 15904), (229, 15949), (251, 15979), (304, 16081), (309, 16093), (314, 16105), (320, 16123), (389, 16288), (408, 16318), (418, 16336), (431, 16360), (473, 16480), (511, 16570), (514, 16603),

Gene: Neptune_30 Start: 17763, Stop: 18653, Start Num: 84
Candidate Starts for Neptune_30:
(Start: 84 @17763 has 37 MA's), (239, 18087), (253, 18111), (271, 18144), (353, 18300), (444, 18474), (487, 18594), (508, 18645), (510, 18648),

Gene: Nergal_21 Start: 15940, Stop: 17028, Start Num: 26
Candidate Starts for Nergal_21:
(Start: 26 @15940 has 1 MA's), (29, 15961), (112, 16105), (125, 16135), (133, 16153), (138, 16165), (159, 16210), (180, 16267), (210, 16312), (297, 16471), (304, 16483), (310, 16498), (320, 16525), (345, 16573), (360, 16615), (376, 16645), (391, 16678), (396, 16690), (431, 16747), (446, 16783), (459, 16825), (471, 16864), (490, 16912), (502, 16927), (507, 16945), (514, 16993), (515, 16996),

Gene: Nette_18 Start: 15837, Stop: 16802, Start Num: 70
Candidate Starts for Nette_18:

(Start: 70 @15837 has 8 MA's), (Start: 88 @15864 has 25 MA's), (Start: 98 @15882 has 1 MA's), (182, 16062), (225, 16137), (269, 16230), (298, 16287), (303, 16296), (343, 16380), (434, 16557), (439, 16572), (452, 16605), (469, 16656), (487, 16698), (506, 16737), (509, 16746),

Gene: Nibb_21 Start: 15295, Stop: 16431, Start Num: 19
Candidate Starts for Nibb_21:
(Start: 19 @15295 has 250 MA's), (50, 15412), (Start: 62 @15430 has 5 MA's), (107, 15502), (118, 15523), (138, 15571), (229, 15772), (288, 15871), (297, 15892), (340, 15979), (371, 16060), (431, 16150), (432, 16153), (463, 16243), (511, 16360), (513, 16387), (516, 16399), (520, 16417),

Gene: Nikao_18 Start: 15554, Stop: 16696, Start Num: 19
Candidate Starts for Nikao_18:
(Start: 19 @15554 has 250 MA's), (50, 15677), (107, 15767), (138, 15836), (178, 15935), (180, 15938), (229, 16037), (305, 16172), (408, 16373), (431, 16415), (432, 16418), (463, 16508), (471, 16532), (511, 16625), (516, 16664), (520, 16682),

Gene: Niklas_22 Start: 15378, Stop: 16517, Start Num: 19
Candidate Starts for Niklas_22:
(Start: 19 @15378 has 250 MA's), (50, 15498), (107, 15588), (138, 15657), (178, 15756), (180, 15759), (229, 15858), (262, 15912), (305, 15993), (342, 16068), (346, 16083), (391, 16170), (408, 16194), (431, 16236), (432, 16239), (451, 16290), (463, 16329), (502, 16413), (507, 16431), (511, 16446), (516, 16485), (520, 16503),

Gene: NoShow_17 Start: 14354, Stop: 15487, Start Num: 22
Candidate Starts for NoShow_17:
(Start: 22 @14354 has 4 MA's), (24, 14402), (73, 14507), (Start: 88 @14531 has 25 MA's), (136, 14624), (189, 14753), (264, 14888), (297, 14954), (304, 14966), (307, 14975), (339, 15041), (360, 15101), (361, 15104), (371, 15125), (390, 15146), (408, 15170), (412, 15179), (431, 15212), (440, 15233), (490, 15371), (512, 15422), (514, 15452), (516, 15458),

Gene: Nolwazi_24 Start: 17414, Stop: 18547, Start Num: 19
Candidate Starts for Nolwazi_24:
(Start: 19 @17414 has 250 MA's), (23, 17432), (35, 17504), (50, 17534), (107, 17624), (126, 17666), (136, 17690), (180, 17795), (262, 17948), (302, 18017), (304, 18023), (371, 18176), (389, 18194), (408, 18224), (431, 18266), (432, 18269), (507, 18461), (511, 18476), (516, 18515), (520, 18533),

Gene: Norvs_48 Start: 28708, Stop: 29595, Start Num: 56
Candidate Starts for Norvs_48:
(Start: 56 @28708 has 19 MA's), (Start: 58 @28714 has 12 MA's), (Start: 88 @28762 has 25 MA's), (107, 28789), (139, 28861), (167, 28927), (178, 28957), (252, 29065), (304, 29158), (314, 29182), (319, 29197), (371, 29293), (408, 29341), (483, 29521), (502, 29557),

Gene: NosilaM_43 Start: 29537, Stop: 30454, Start Num: 64
Candidate Starts for NosilaM_43:
(Start: 64 @29537 has 6 MA's), (115, 29618), (Start: 131 @29654 has 1 MA's), (190, 29801), (314, 30035), (335, 30062), (397, 30206), (410, 30224), (460, 30323), (500, 30419), (503, 30425), (507, 30440),

Gene: November_20 Start: 16335, Stop: 17471, Start Num: 19
Candidate Starts for November_20:
(Start: 19 @16335 has 250 MA's), (50, 16452), (Start: 62 @16470 has 5 MA's), (81, 16503), (107, 16542), (138, 16611), (181, 16716), (229, 16812), (262, 16866), (297, 16932), (304, 16944), (371, 17100), (391, 17124), (431, 17190), (432, 17193), (433, 17196), (463, 17283), (511, 17400), (520,

17457),

Gene: NovoPizza_18 Start: 16611, Stop: 17699, Start Num: 39
Candidate Starts for NovoPizza_18:
(Start: 39 @16611 has 24 MA's), (42, 16620), (107, 16716), (122, 16746), (136, 16782), (138, 16785), (140, 16791), (222, 16974), (227, 16983), (233, 17004), (236, 17010), (308, 17145), (316, 17163), (352, 17247), (377, 17313), (386, 17331), (416, 17385), (453, 17484), (454, 17487), (463, 17514), (477, 17553), (512, 17631),

Gene: NovumRegina_40 Start: 29260, Stop: 30201, Start Num: 63
Candidate Starts for NovumRegina_40:
(Start: 63 @29260 has 28 MA's), (115, 29347), (149, 29422), (173, 29488), (190, 29530), (223, 29587), (337, 29800), (347, 29827), (397, 29938), (460, 30070), (500, 30166),

Gene: Nutello_18 Start: 15554, Stop: 16696, Start Num: 19
Candidate Starts for Nutello_18:
(Start: 19 @15554 has 250 MA's), (50, 15677), (107, 15767), (138, 15836), (178, 15935), (180, 15938), (229, 16037), (305, 16172), (408, 16373), (431, 16415), (432, 16418), (463, 16508), (471, 16532), (511, 16625), (516, 16664), (520, 16682),

Gene: Nyceirae_22 Start: 17929, Stop: 18777, Start Num: 56
Candidate Starts for Nyceirae_22:
(Start: 56 @17929 has 19 MA's), (69, 17938), (Start: 82 @17959 has 2 MA's), (Start: 83 @17962 has 18 MA's), (149, 18085), (171, 18145), (176, 18157), (243, 18253), (245, 18256), (262, 18292), (330, 18421), (407, 18541), (422, 18562), (448, 18613), (460, 18649), (477, 18703),

Gene: Nymphadora_18 Start: 16940, Stop: 17767, Start Num: 103
Candidate Starts for Nymphadora_18:
(Start: 103 @16940 has 37 MA's), (138, 17015), (188, 17135), (190, 17141), (234, 17207), (241, 17219), (272, 17276), (278, 17285), (296, 17321), (302, 17330), (311, 17351), (353, 17435), (388, 17510), (398, 17531), (465, 17654), (476, 17687),

Gene: OBUpride_21 Start: 16309, Stop: 17403, Start Num: 39
Candidate Starts for OBUpride_21:
(Start: 39 @16309 has 24 MA's), (42, 16318), (107, 16414), (112, 16423), (117, 16432), (138, 16483), (140, 16489), (181, 16585), (189, 16603), (222, 16672), (227, 16681), (233, 16702), (236, 16708), (242, 16714), (244, 16717), (279, 16789), (281, 16792), (351, 16948), (373, 16999), (377, 17017), (416, 17089), (422, 17107), (454, 17191), (463, 17218), (464, 17221), (477, 17257), (485, 17275), (507, 17317), (511, 17332), (512, 17335), (514, 17365), (516, 17371),

Gene: Obliviate_17 Start: 15583, Stop: 16443, Start Num: 88
Candidate Starts for Obliviate_17:
(Start: 83 @15577 has 18 MA's), (Start: 88 @15583 has 25 MA's), (166, 15739), (199, 15820), (259, 15919), (313, 16027), (351, 16111), (381, 16177), (410, 16222), (460, 16312), (474, 16354),

Gene: OctaviousRex_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for OctaviousRex_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: OhDear_30 Start: 17792, Stop: 18682, Start Num: 84
Candidate Starts for OhDear_30:
(Start: 84 @17792 has 37 MA's), (239, 18116), (253, 18140), (271, 18173), (353, 18329), (444, 18503), (487, 18623), (508, 18674), (510, 18677),

Gene: Ohgeesy_18 Start: 16563, Stop: 17390, Start Num: 103
Candidate Starts for Ohgeesy_18:
(Start: 103 @16563 has 37 MA's), (138, 16638), (188, 16758), (190, 16764), (234, 16830), (241, 16842), (272, 16899), (278, 16908), (296, 16944), (302, 16953), (311, 16974), (353, 17058), (388, 17133), (398, 17154), (465, 17277), (476, 17310),

Gene: OkiRoe_20 Start: 16324, Stop: 17454, Start Num: 21
Candidate Starts for OkiRoe_20:
(Start: 21 @16324 has 36 MA's), (125, 16564), (126, 16567), (138, 16594), (178, 16693), (229, 16795), (262, 16849), (280, 16879), (297, 16915), (299, 16918), (304, 16927), (340, 17002), (342, 17005), (353, 17041), (371, 17083), (389, 17101), (391, 17107), (408, 17131), (409, 17134), (412, 17140), (431, 17173), (511, 17383), (516, 17422), (520, 17440),

Gene: Olga_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Olga_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: OmniCritical_23 Start: 17398, Stop: 18531, Start Num: 19
Candidate Starts for OmniCritical_23:
(Start: 19 @17398 has 250 MA's), (23, 17416), (35, 17488), (50, 17518), (107, 17608), (126, 17650), (136, 17674), (180, 17779), (262, 17932), (302, 18001), (304, 18007), (371, 18160), (389, 18178), (408, 18208), (431, 18250), (432, 18253), (507, 18445), (511, 18460), (516, 18499), (520, 18517),

Gene: Omnicron_20 Start: 15090, Stop: 16220, Start Num: 21
Candidate Starts for Omnicron_20:
(Start: 21 @15090 has 36 MA's), (Start: 62 @15219 has 5 MA's), (Start: 89 @15264 has 3 MA's), (125, 15330), (126, 15333), (138, 15360), (158, 15402), (178, 15459), (229, 15561), (262, 15615), (280, 15645), (297, 15681), (304, 15693), (325, 15744), (340, 15768), (351, 15801), (371, 15849), (391, 15873), (408, 15897), (409, 15900), (431, 15939), (511, 16149), (516, 16188), (520, 16206),

Gene: OneUp_41 Start: 26148, Stop: 27029, Start Num: 57
Candidate Starts for OneUp_41:
(11, 25920), (13, 25944), (14, 25953), (Start: 57 @26148 has 8 MA's), (Start: 88 @26196 has 25 MA's), (139, 26295), (148, 26310), (210, 26427), (273, 26538), (304, 26592), (314, 26616), (319, 26631), (369, 26724), (371, 26727), (387, 26742), (408, 26775), (476, 26940), (500, 26988), (502, 26991),

Gene: Oregano_19 Start: 16535, Stop: 17371, Start Num: 97
Candidate Starts for Oregano_19:
(Start: 97 @16535 has 19 MA's), (Start: 103 @16544 has 37 MA's), (123, 16586), (138, 16619), (146, 16634), (166, 16682), (190, 16745), (193, 16751), (219, 16790), (255, 16844), (275, 16883), (278, 16889), (296, 16925), (311, 16955), (315, 16964), (388, 17114), (436, 17204), (476, 17291),

Gene: Oscar_21 Start: 15261, Stop: 16397, Start Num: 19
Candidate Starts for Oscar_21:

(Start: 19 @15261 has 250 MA's), (50, 15378), (Start: 62 @15396 has 5 MA's), (Start: 89 @15441 has 3 MA's), (118, 15489), (138, 15537), (229, 15738), (262, 15792), (288, 15837), (297, 15858), (320, 15912), (340, 15945), (346, 15963), (371, 16026), (431, 16116), (432, 16119), (451, 16170), (463, 16209), (511, 16326), (516, 16365), (520, 16383),

Gene: Ouroboros_15 Start: 11284, Stop: 12231, Start Num: 60
Candidate Starts for Ouroboros_15:
(50, 11266), (Start: 60 @11284 has 44 MA's), (Start: 89 @11335 has 3 MA's), (91, 11338), (Start: 95 @11344 has 9 MA's), (108, 11368), (112, 11377), (125, 11407), (126, 11410), (127, 11413), (133, 11425), (136, 11434), (158, 11479), (168, 11509), (173, 11524), (178, 11536), (181, 11542), (205, 11590), (218, 11608), (229, 11635), (231, 11644), (235, 11650), (251, 11677), (288, 11752), (293, 11761), (329, 11836), (348, 11878), (349, 11881), (350, 11884), (370, 11935), (384, 11950), (393, 11971), (402, 11986), (411, 12001), (413, 12007), (449, 12079), (450, 12082), (453, 12100), (454, 12103), (459, 12112), (474, 12160), (477, 12172), (482, 12181), (488, 12196), (491, 12202), (501, 12217),

Gene: Outis_41 Start: 29510, Stop: 30433, Start Num: 63
Candidate Starts for Outis_41:
(Start: 63 @29510 has 28 MA's), (115, 29597), (Start: 131 @29633 has 1 MA's), (149, 29672), (335, 30041), (397, 30185), (460, 30302), (500, 30398), (503, 30404), (507, 30419),

Gene: OverHedge_30 Start: 17753, Stop: 18643, Start Num: 84
Candidate Starts for OverHedge_30:
(Start: 84 @17753 has 37 MA's), (239, 18077), (253, 18101), (271, 18134), (353, 18290), (444, 18464), (487, 18584), (508, 18635), (510, 18638),

Gene: P1.1_15 Start: 11293, Stop: 12234, Start Num: 60
Candidate Starts for P1.1_15:
(54, 11278), (Start: 57 @11284 has 8 MA's), (Start: 58 @11287 has 12 MA's), (Start: 60 @11293 has 44 MA's), (78, 11326), (Start: 82 @11332 has 2 MA's), (Start: 89 @11344 has 3 MA's), (108, 11371), (112, 11380), (125, 11410), (126, 11413), (127, 11416), (133, 11428), (136, 11437), (158, 11482), (168, 11512), (173, 11527), (178, 11539), (180, 11542), (181, 11545), (190, 11569), (205, 11593), (218, 11611), (231, 11647), (235, 11653), (251, 11680), (252, 11683), (269, 11722), (274, 11731), (289, 11758), (293, 11764), (321, 11827), (329, 11839), (348, 11881), (349, 11884), (350, 11887), (370, 11938), (384, 11953), (393, 11974), (402, 11989), (411, 12004), (413, 12010), (449, 12082), (450, 12085), (453, 12103), (454, 12106), (459, 12115), (474, 12163), (477, 12175), (482, 12184), (488, 12199), (491, 12205), (501, 12220),

Gene: P100.1_15 Start: 11300, Stop: 12241, Start Num: 60
Candidate Starts for P100.1_15:
(Start: 57 @11291 has 8 MA's), (Start: 60 @11300 has 44 MA's), (78, 11333), (Start: 89 @11351 has 3 MA's), (108, 11378), (112, 11387), (124, 11414), (125, 11417), (126, 11420), (127, 11423), (133, 11435), (136, 11444), (144, 11459), (158, 11489), (168, 11519), (173, 11534), (181, 11552), (187, 11567), (190, 11576), (205, 11600), (218, 11618), (235, 11660), (251, 11687), (269, 11729), (274, 11738), (289, 11765), (293, 11771), (321, 11834), (329, 11846), (348, 11888), (349, 11891), (354, 11906), (370, 11945), (384, 11960), (393, 11981), (402, 11996), (411, 12011), (413, 12017), (449, 12089), (450, 12092), (453, 12110), (454, 12113), (459, 12122), (474, 12170), (477, 12182), (482, 12191), (488, 12206), (491, 12212), (501, 12227),

Gene: P100A_15 Start: 11295, Stop: 12242, Start Num: 60
Candidate Starts for P100A_15:
(Start: 57 @11286 has 8 MA's), (Start: 58 @11289 has 12 MA's), (Start: 60 @11295 has 44 MA's), (78, 11328), (Start: 89 @11346 has 3 MA's), (91, 11349), (Start: 95 @11355 has 9 MA's), (108, 11379),

(112, 11388), (125, 11418), (126, 11421), (127, 11424), (133, 11436), (136, 11445), (158, 11490), (168, 11520), (173, 11535), (176, 11541), (181, 11553), (205, 11601), (218, 11619), (231, 11655), (235, 11661), (251, 11688), (269, 11730), (288, 11763), (293, 11772), (321, 11835), (329, 11847), (348, 11889), (349, 11892), (350, 11895), (364, 11928), (370, 11946), (384, 11961), (393, 11982), (402, 11997), (411, 12012), (413, 12018), (449, 12090), (450, 12093), (453, 12111), (454, 12114), (474, 12171), (477, 12183), (482, 12192), (488, 12207), (491, 12213), (501, 12228),

Gene: P100D_15 Start: 11296, Stop: 12237, Start Num: 60
Candidate Starts for P100D_15:
(54, 11281), (Start: 57 @11287 has 8 MA's), (Start: 58 @11290 has 12 MA's), (Start: 60 @11296 has 44 MA's), (78, 11329), (Start: 82 @11335 has 2 MA's), (Start: 89 @11347 has 3 MA's), (108, 11374), (112, 11383), (125, 11413), (126, 11416), (127, 11419), (133, 11431), (136, 11440), (144, 11455), (158, 11485), (168, 11515), (173, 11530), (178, 11542), (180, 11545), (181, 11548), (205, 11596), (218, 11614), (229, 11641), (231, 11650), (235, 11656), (251, 11683), (252, 11686), (269, 11725), (274, 11734), (288, 11758), (293, 11767), (321, 11830), (329, 11842), (348, 11884), (349, 11887), (350, 11890), (370, 11941), (384, 11956), (393, 11977), (402, 11992), (411, 12007), (413, 12013), (449, 12085), (450, 12088), (453, 12106), (454, 12109), (459, 12118), (474, 12166), (477, 12178), (482, 12187), (488, 12202), (491, 12208), (501, 12223),

Gene: P101A_15 Start: 11308, Stop: 12249, Start Num: 60
Candidate Starts for P101A_15:
(Start: 56 @11296 has 19 MA's), (Start: 57 @11299 has 8 MA's), (Start: 60 @11308 has 44 MA's), (78, 11341), (Start: 89 @11359 has 3 MA's), (108, 11386), (112, 11395), (124, 11422), (125, 11425), (126, 11428), (127, 11431), (133, 11443), (136, 11452), (144, 11467), (158, 11497), (168, 11527), (173, 11542), (181, 11560), (187, 11575), (190, 11584), (205, 11608), (218, 11626), (235, 11668), (251, 11695), (269, 11737), (274, 11746), (289, 11773), (293, 11779), (321, 11842), (329, 11854), (348, 11896), (349, 11899), (354, 11914), (370, 11953), (384, 11968), (393, 11989), (402, 12004), (411, 12019), (413, 12025), (449, 12097), (450, 12100), (453, 12118), (454, 12121), (459, 12130), (474, 12178), (477, 12190), (482, 12199), (488, 12214), (491, 12220), (501, 12235),

Gene: P104A_15 Start: 11279, Stop: 12226, Start Num: 60
Candidate Starts for P104A_15:
(53, 11264), (Start: 57 @11270 has 8 MA's), (Start: 60 @11279 has 44 MA's), (78, 11312), (Start: 89 @11330 has 3 MA's), (91, 11333), (Start: 95 @11339 has 9 MA's), (108, 11363), (112, 11372), (125, 11402), (126, 11405), (127, 11408), (133, 11420), (139, 11435), (144, 11444), (158, 11474), (168, 11504), (173, 11519), (176, 11525), (178, 11531), (180, 11534), (181, 11537), (190, 11561), (205, 11585), (218, 11603), (229, 11630), (231, 11639), (235, 11645), (251, 11672), (252, 11675), (262, 11696), (274, 11723), (289, 11750), (293, 11756), (321, 11819), (329, 11831), (348, 11873), (349, 11876), (350, 11879), (354, 11891), (370, 11930), (384, 11945), (393, 11966), (402, 11981), (411, 11996), (413, 12002), (449, 12074), (450, 12077), (453, 12095), (454, 12098), (459, 12107), (474, 12155), (477, 12167), (482, 12176), (488, 12191), (491, 12197), (501, 12212),

Gene: P104B_15 Start: 11296, Stop: 12243, Start Num: 60
Candidate Starts for P104B_15:
(53, 11281), (Start: 57 @11287 has 8 MA's), (Start: 58 @11290 has 12 MA's), (Start: 60 @11296 has 44 MA's), (78, 11329), (Start: 82 @11335 has 2 MA's), (Start: 89 @11347 has 3 MA's), (91, 11350), (Start: 95 @11356 has 9 MA's), (108, 11380), (112, 11389), (125, 11419), (126, 11422), (127, 11425), (133, 11437), (136, 11446), (139, 11452), (158, 11491), (168, 11521), (173, 11536), (178, 11548), (180, 11551), (181, 11554), (205, 11602), (218, 11620), (229, 11647), (231, 11656), (251, 11689), (262, 11713), (274, 11740), (288, 11764), (293, 11773), (321, 11836), (329, 11848), (348, 11890), (349, 11893), (350, 11896), (370, 11947), (384, 11962), (393, 11983), (402, 11998), (411, 12013), (413, 12019), (449, 12091), (450, 12094), (453, 12112), (454, 12115), (459, 12124), (474, 12172), (477, 12184), (482, 12193), (488, 12208), (491, 12214), (501, 12229),

Gene: P105_15 Start: 11205, Stop: 12146, Start Num: 60
Candidate Starts for P105_15:
(51, 11187), (Start: 60 @11205 has 44 MA's), (78, 11238), (Start: 82 @11244 has 2 MA's), (Start: 89 @11256 has 3 MA's), (108, 11283), (112, 11292), (125, 11322), (126, 11325), (127, 11328), (133, 11340), (136, 11349), (144, 11364), (158, 11394), (168, 11424), (173, 11439), (178, 11451), (180, 11454), (181, 11457), (190, 11481), (205, 11505), (218, 11523), (231, 11559), (235, 11565), (251, 11592), (252, 11595), (262, 11616), (269, 11634), (274, 11643), (289, 11670), (293, 11676), (321, 11739), (329, 11751), (348, 11793), (349, 11796), (350, 11799), (354, 11811), (370, 11850), (384, 11865), (393, 11886), (402, 11901), (411, 11916), (413, 11922), (449, 11994), (453, 12015), (454, 12018), (459, 12027), (474, 12075), (477, 12087), (482, 12096), (488, 12111), (491, 12117), (501, 12132),

Gene: P106A_15 Start: 11324, Stop: 12271, Start Num: 60
Candidate Starts for P106A_15:
(54, 11309), (Start: 57 @11315 has 8 MA's), (Start: 58 @11318 has 12 MA's), (Start: 60 @11324 has 44 MA's), (78, 11357), (Start: 89 @11375 has 3 MA's), (91, 11378), (108, 11408), (112, 11417), (124, 11444), (125, 11447), (126, 11450), (127, 11453), (133, 11465), (136, 11474), (158, 11519), (168, 11549), (173, 11564), (180, 11579), (181, 11582), (190, 11606), (205, 11630), (218, 11648), (235, 11690), (251, 11717), (269, 11759), (274, 11768), (289, 11795), (293, 11801), (321, 11864), (329, 11876), (348, 11918), (349, 11921), (350, 11924), (370, 11975), (384, 11990), (388, 11999), (402, 12026), (411, 12041), (413, 12047), (449, 12119), (450, 12122), (453, 12140), (454, 12143), (459, 12152), (474, 12200), (477, 12212), (482, 12221), (488, 12236), (491, 12242), (501, 12257),

Gene: P106C_15 Start: 11324, Stop: 12271, Start Num: 60
Candidate Starts for P106C_15:
(54, 11309), (Start: 57 @11315 has 8 MA's), (Start: 58 @11318 has 12 MA's), (Start: 60 @11324 has 44 MA's), (78, 11357), (Start: 89 @11375 has 3 MA's), (91, 11378), (108, 11408), (112, 11417), (124, 11444), (125, 11447), (126, 11450), (127, 11453), (133, 11465), (136, 11474), (158, 11519), (168, 11549), (173, 11564), (180, 11579), (181, 11582), (190, 11606), (205, 11630), (218, 11648), (235, 11690), (251, 11717), (269, 11759), (274, 11768), (289, 11795), (293, 11801), (321, 11864), (329, 11876), (348, 11918), (349, 11921), (350, 11924), (370, 11975), (384, 11990), (388, 11999), (402, 12026), (411, 12041), (413, 12047), (449, 12119), (450, 12122), (453, 12140), (454, 12143), (459, 12152), (474, 12200), (477, 12212), (482, 12221), (488, 12236), (491, 12242), (501, 12257),

Gene: P106I_15 Start: 11324, Stop: 12271, Start Num: 60
Candidate Starts for P106I_15:
(54, 11309), (Start: 57 @11315 has 8 MA's), (Start: 58 @11318 has 12 MA's), (Start: 60 @11324 has 44 MA's), (78, 11357), (Start: 89 @11375 has 3 MA's), (91, 11378), (108, 11408), (112, 11417), (124, 11444), (125, 11447), (126, 11450), (127, 11453), (133, 11465), (136, 11474), (158, 11519), (168, 11549), (173, 11564), (180, 11579), (181, 11582), (190, 11606), (205, 11630), (218, 11648), (235, 11690), (251, 11717), (269, 11759), (274, 11768), (289, 11795), (293, 11801), (321, 11864), (329, 11876), (348, 11918), (349, 11921), (350, 11924), (370, 11975), (384, 11990), (388, 11999), (402, 12026), (411, 12041), (413, 12047), (449, 12119), (450, 12122), (453, 12140), (454, 12143), (459, 12152), (474, 12200), (477, 12212), (482, 12221), (488, 12236), (491, 12242), (501, 12257),

Gene: P106L_15 Start: 11324, Stop: 12271, Start Num: 60
Candidate Starts for P106L_15:
(54, 11309), (Start: 57 @11315 has 8 MA's), (Start: 58 @11318 has 12 MA's), (Start: 60 @11324 has 44 MA's), (78, 11357), (Start: 89 @11375 has 3 MA's), (91, 11378), (108, 11408), (112, 11417), (124, 11444), (125, 11447), (126, 11450), (127, 11453), (133, 11465), (136, 11474), (158, 11519), (168, 11549), (173, 11564), (180, 11579), (181, 11582), (190, 11606), (205, 11630), (218, 11648), (235, 11690), (251, 11717), (269, 11759), (274, 11768), (289, 11795), (293, 11801), (321, 11864), (329,

11876), (348, 11918), (349, 11921), (350, 11924), (370, 11975), (384, 11990), (388, 11999), (402, 12026), (411, 12041), (413, 12047), (449, 12119), (450, 12122), (453, 12140), (454, 12143), (459, 12152), (474, 12200), (477, 12212), (482, 12221), (488, 12236), (491, 12242), (501, 12257),

Gene: P106M_15 Start: 11324, Stop: 12271, Start Num: 60
Candidate Starts for P106M_15:
(54, 11309), (Start: 57 @11315 has 8 MA's), (Start: 58 @11318 has 12 MA's), (Start: 60 @11324 has 44 MA's), (78, 11357), (Start: 89 @11375 has 3 MA's), (91, 11378), (108, 11408), (112, 11417), (124, 11444), (125, 11447), (126, 11450), (127, 11453), (133, 11465), (136, 11474), (158, 11519), (168, 11549), (173, 11564), (180, 11579), (181, 11582), (190, 11606), (205, 11630), (218, 11648), (235, 11690), (251, 11717), (269, 11759), (274, 11768), (289, 11795), (293, 11801), (321, 11864), (329, 11876), (348, 11918), (349, 11921), (350, 11924), (370, 11975), (384, 11990), (388, 11999), (402, 12026), (411, 12041), (413, 12047), (449, 12119), (450, 12122), (453, 12140), (454, 12143), (459, 12152), (474, 12200), (477, 12212), (482, 12221), (488, 12236), (491, 12242), (501, 12257),

Gene: P107A_15 Start: 11301, Stop: 12248, Start Num: 60
Candidate Starts for P107A_15:
(Start: 57 @11292 has 8 MA's), (Start: 60 @11301 has 44 MA's), (78, 11334), (Start: 89 @11352 has 3 MA's), (91, 11355), (Start: 95 @11361 has 9 MA's), (108, 11385), (112, 11394), (125, 11424), (126, 11427), (127, 11430), (133, 11442), (136, 11451), (168, 11526), (173, 11541), (176, 11547), (181, 11559), (205, 11607), (218, 11625), (229, 11652), (231, 11661), (235, 11667), (251, 11694), (288, 11769), (293, 11778), (321, 11841), (329, 11853), (348, 11895), (349, 11898), (350, 11901), (370, 11952), (384, 11967), (393, 11988), (402, 12003), (411, 12018), (413, 12024), (449, 12096), (450, 12099), (453, 12117), (454, 12120), (474, 12177), (477, 12189), (482, 12198), (488, 12213), (491, 12219), (501, 12234),

Gene: P107C_15 Start: 11283, Stop: 12224, Start Num: 60
Candidate Starts for P107C_15:
(54, 11268), (Start: 57 @11274 has 8 MA's), (Start: 58 @11277 has 12 MA's), (Start: 60 @11283 has 44 MA's), (78, 11316), (Start: 82 @11322 has 2 MA's), (Start: 89 @11334 has 3 MA's), (108, 11361), (112, 11370), (125, 11400), (126, 11403), (127, 11406), (133, 11418), (136, 11427), (144, 11442), (158, 11472), (168, 11502), (173, 11517), (180, 11532), (181, 11535), (205, 11583), (218, 11601), (231, 11637), (235, 11643), (251, 11670), (252, 11673), (262, 11694), (269, 11712), (274, 11721), (288, 11745), (293, 11754), (321, 11817), (329, 11829), (348, 11871), (349, 11874), (350, 11877), (384, 11943), (393, 11964), (402, 11979), (411, 11994), (413, 12000), (449, 12072), (450, 12075), (453, 12093), (454, 12096), (459, 12105), (474, 12153), (477, 12165), (482, 12174), (485, 12183), (488, 12189), (491, 12195), (501, 12210),

Gene: P108C_15 Start: 11282, Stop: 12232, Start Num: 57
Candidate Starts for P108C_15:
(54, 11276), (Start: 57 @11282 has 8 MA's), (Start: 58 @11285 has 12 MA's), (Start: 60 @11291 has 44 MA's), (78, 11324), (Start: 89 @11342 has 3 MA's), (108, 11369), (112, 11378), (125, 11408), (126, 11411), (127, 11414), (133, 11426), (136, 11435), (144, 11450), (158, 11480), (168, 11510), (173, 11525), (176, 11531), (181, 11543), (205, 11591), (218, 11609), (231, 11645), (235, 11651), (251, 11678), (269, 11720), (274, 11729), (289, 11756), (293, 11762), (321, 11825), (329, 11837), (348, 11879), (349, 11882), (350, 11885), (364, 11918), (370, 11936), (384, 11951), (388, 11960), (402, 11987), (411, 12002), (413, 12008), (449, 12080), (450, 12083), (453, 12101), (454, 12104), (459, 12113), (474, 12161), (477, 12173), (482, 12182), (488, 12197), (491, 12203), (501, 12218),

Gene: P1201_46 Start: 33556, Stop: 34458, Start Num: 56
Candidate Starts for P1201_46:
(Start: 56 @33556 has 19 MA's), (125, 33685), (164, 33775), (167, 33784), (173, 33802), (283, 34015), (304, 34057), (344, 34132), (350, 34150), (351, 34153), (359, 34174), (423, 34246), (437, 34279),

(460, 34327),

Gene: P14.4_15 Start: 11291, Stop: 12238, Start Num: 60
Candidate Starts for P14.4_15:
(53, 11276), (Start: 57 @11282 has 8 MA's), (Start: 60 @11291 has 44 MA's), (78, 11324), (Start: 89 @11342 has 3 MA's), (91, 11345), (Start: 95 @11351 has 9 MA's), (108, 11375), (112, 11384), (125, 11414), (126, 11417), (127, 11420), (133, 11432), (136, 11441), (158, 11486), (168, 11516), (173, 11531), (176, 11537), (178, 11543), (180, 11546), (205, 11597), (218, 11615), (229, 11642), (231, 11651), (235, 11657), (251, 11684), (252, 11687), (262, 11708), (274, 11735), (288, 11759), (293, 11768), (321, 11831), (329, 11843), (348, 11885), (349, 11888), (350, 11891), (370, 11942), (384, 11957), (393, 11978), (402, 11993), (411, 12008), (413, 12014), (449, 12086), (450, 12089), (453, 12107), (454, 12110), (459, 12119), (474, 12167), (477, 12179), (488, 12203), (491, 12209), (501, 12224),

Gene: P3MA_17 Start: 13196, Stop: 14293, Start Num: 25
Candidate Starts for P3MA_17:
(Start: 25 @13196 has 1 MA's), (Start: 62 @13280 has 5 MA's), (93, 13331), (125, 13391), (126, 13394), (133, 13409), (158, 13463), (190, 13547), (234, 13640), (240, 13649), (304, 13769), (320, 13811), (342, 13847), (351, 13874), (371, 13922), (389, 13940), (396, 13958), (408, 13970), (409, 13973), (429, 14003), (431, 14006), (433, 14012), (454, 14072), (485, 14162), (497, 14183), (507, 14207), (511, 14222), (514, 14255), (516, 14261), (522, 14285),

Gene: P9.1_15 Start: 11286, Stop: 12233, Start Num: 60
Candidate Starts for P9.1_15:
(53, 11271), (Start: 57 @11277 has 8 MA's), (Start: 58 @11280 has 12 MA's), (Start: 60 @11286 has 44 MA's), (78, 11319), (Start: 82 @11325 has 2 MA's), (Start: 89 @11337 has 3 MA's), (91, 11340), (Start: 95 @11346 has 9 MA's), (108, 11370), (125, 11409), (126, 11412), (127, 11415), (133, 11427), (136, 11436), (158, 11481), (168, 11511), (173, 11526), (176, 11532), (178, 11538), (180, 11541), (181, 11544), (205, 11592), (218, 11610), (229, 11637), (231, 11646), (251, 11679), (252, 11682), (262, 11703), (274, 11730), (289, 11757), (293, 11763), (321, 11826), (329, 11838), (348, 11880), (349, 11883), (350, 11886), (370, 11937), (384, 11952), (388, 11961), (402, 11988), (411, 12003), (413, 12009), (449, 12081), (450, 12084), (453, 12102), (454, 12105), (459, 12114), (474, 12162), (477, 12174), (482, 12183), (488, 12198), (491, 12204), (501, 12219),

Gene: PA6_15 Start: 11315, Stop: 12262, Start Num: 60
Candidate Starts for PA6_15:
(49, 11294), (Start: 57 @11306 has 8 MA's), (Start: 58 @11309 has 12 MA's), (Start: 60 @11315 has 44 MA's), (78, 11348), (Start: 82 @11354 has 2 MA's), (Start: 89 @11366 has 3 MA's), (Start: 95 @11375 has 9 MA's), (Start: 97 @11378 has 19 MA's), (108, 11399), (112, 11408), (125, 11438), (126, 11441), (127, 11444), (133, 11456), (139, 11471), (144, 11480), (158, 11510), (168, 11540), (173, 11555), (176, 11561), (178, 11567), (180, 11570), (181, 11573), (190, 11597), (205, 11621), (218, 11639), (229, 11666), (231, 11675), (235, 11681), (251, 11708), (252, 11711), (274, 11759), (289, 11786), (293, 11792), (321, 11855), (329, 11867), (348, 11909), (349, 11912), (354, 11927), (370, 11966), (384, 11981), (393, 12002), (402, 12017), (411, 12032), (413, 12038), (449, 12110), (450, 12113), (453, 12131), (454, 12134), (459, 12143), (474, 12191), (477, 12203), (482, 12212), (488, 12227), (491, 12233), (501, 12248),

Gene: PAD20_15 Start: 11289, Stop: 12230, Start Num: 60
Candidate Starts for PAD20_15:
(54, 11274), (Start: 57 @11280 has 8 MA's), (Start: 58 @11283 has 12 MA's), (Start: 60 @11289 has 44 MA's), (78, 11322), (Start: 82 @11328 has 2 MA's), (Start: 89 @11340 has 3 MA's), (108, 11367), (112, 11376), (125, 11406), (126, 11409), (127, 11412), (133, 11424), (144, 11448), (158, 11478), (168, 11508), (173, 11523), (178, 11535), (180, 11538), (181, 11541), (190, 11565), (205, 11589),

(218, 11607), (229, 11634), (231, 11643), (235, 11649), (251, 11676), (262, 11700), (274, 11727), (289, 11754), (293, 11760), (321, 11823), (329, 11835), (348, 11877), (349, 11880), (350, 11883), (370, 11934), (384, 11949), (393, 11970), (402, 11985), (413, 12006), (449, 12078), (450, 12081), (453, 12099), (454, 12102), (459, 12111), (474, 12159), (477, 12171), (488, 12195), (491, 12201), (501, 12216),

Gene: PAS50_15 Start: 11298, Stop: 12239, Start Num: 60
Candidate Starts for PAS50_15:
(Start: 57 @11289 has 8 MA's), (Start: 60 @11298 has 44 MA's), (78, 11331), (Start: 89 @11349 has 3 MA's), (108, 11376), (112, 11385), (124, 11412), (125, 11415), (126, 11418), (127, 11421), (133, 11433), (136, 11442), (144, 11457), (158, 11487), (168, 11517), (173, 11532), (181, 11550), (187, 11565), (190, 11574), (205, 11598), (218, 11616), (235, 11658), (251, 11685), (269, 11727), (274, 11736), (289, 11763), (293, 11769), (321, 11832), (329, 11844), (348, 11886), (349, 11889), (350, 11892), (364, 11925), (370, 11943), (384, 11958), (388, 11967), (402, 11994), (411, 12009), (413, 12015), (449, 12087), (450, 12090), (453, 12108), (454, 12111), (459, 12120), (474, 12168), (477, 12180), (482, 12189), (488, 12204), (491, 12210), (501, 12225),

Gene: PCoral7_18 Start: 15883, Stop: 16743, Start Num: 85
Candidate Starts for PCoral7_18:
(Start: 85 @15883 has 15 MA's), (Start: 98 @15898 has 1 MA's), (114, 15928), (125, 15949), (166, 16039), (199, 16120), (310, 16324), (313, 16327), (410, 16522), (460, 16612), (474, 16654), (496, 16702), (500, 16708),

Gene: PHL010M04_15 Start: 11286, Stop: 12233, Start Num: 60
Candidate Starts for PHL010M04_15:
(53, 11271), (Start: 57 @11277 has 8 MA's), (Start: 58 @11280 has 12 MA's), (Start: 60 @11286 has 44 MA's), (78, 11319), (Start: 89 @11337 has 3 MA's), (91, 11340), (Start: 95 @11346 has 9 MA's), (108, 11370), (112, 11379), (125, 11409), (126, 11412), (127, 11415), (133, 11427), (136, 11436), (144, 11451), (158, 11481), (168, 11511), (173, 11526), (176, 11532), (180, 11541), (205, 11592), (218, 11610), (229, 11637), (231, 11646), (235, 11652), (251, 11679), (262, 11703), (274, 11730), (288, 11754), (293, 11763), (321, 11826), (329, 11838), (348, 11880), (349, 11883), (350, 11886), (370, 11937), (384, 11952), (393, 11973), (402, 11988), (411, 12003), (413, 12009), (449, 12081), (450, 12084), (453, 12102), (454, 12105), (459, 12114), (474, 12162), (477, 12174), (482, 12183), (488, 12198), (491, 12204), (501, 12219),

Gene: PHL037M02_15 Start: 11301, Stop: 12242, Start Num: 60
Candidate Starts for PHL037M02_15:
(51, 11283), (Start: 60 @11301 has 44 MA's), (78, 11334), (Start: 82 @11340 has 2 MA's), (Start: 89 @11352 has 3 MA's), (108, 11379), (112, 11388), (124, 11415), (125, 11418), (126, 11421), (127, 11424), (133, 11436), (136, 11445), (158, 11490), (168, 11520), (173, 11535), (176, 11541), (178, 11547), (180, 11550), (181, 11553), (190, 11577), (205, 11601), (218, 11619), (235, 11661), (251, 11688), (252, 11691), (262, 11712), (288, 11763), (293, 11772), (321, 11835), (329, 11847), (348, 11889), (349, 11892), (350, 11895), (370, 11946), (384, 11961), (393, 11982), (402, 11997), (411, 12012), (413, 12018), (449, 12090), (450, 12093), (453, 12111), (454, 12114), (474, 12171), (477, 12183), (482, 12192), (488, 12207), (491, 12213), (501, 12228),

Gene: PHL060L00_15 Start: 11302, Stop: 12249, Start Num: 60
Candidate Starts for PHL060L00_15:
(53, 11287), (Start: 57 @11293 has 8 MA's), (Start: 60 @11302 has 44 MA's), (78, 11335), (Start: 89 @11353 has 3 MA's), (91, 11356), (Start: 95 @11362 has 9 MA's), (108, 11386), (112, 11395), (125, 11425), (126, 11428), (127, 11431), (133, 11443), (136, 11452), (139, 11458), (144, 11467), (158, 11497), (168, 11527), (173, 11542), (181, 11560), (205, 11608), (218, 11626), (235, 11668), (251, 11695), (262, 11719), (274, 11746), (289, 11773), (293, 11779), (321, 11842), (348, 11896), (349,

11899), (350, 11902), (364, 11935), (370, 11953), (384, 11968), (393, 11989), (402, 12004), (411, 12019), (413, 12025), (449, 12097), (450, 12100), (453, 12118), (454, 12121), (474, 12178), (477, 12190), (482, 12199), (488, 12214), (491, 12220), (501, 12235),

Gene: PHL067M10_15 Start: 11269, Stop: 12210, Start Num: 60
Candidate Starts for PHL067M10_15:
(54, 11254), (Start: 57 @11260 has 8 MA's), (Start: 58 @11263 has 12 MA's), (Start: 60 @11269 has 44 MA's), (78, 11302), (Start: 89 @11320 has 3 MA's), (100, 11338), (108, 11347), (112, 11356), (125, 11386), (126, 11389), (127, 11392), (133, 11404), (136, 11413), (144, 11428), (158, 11458), (168, 11488), (173, 11503), (178, 11515), (180, 11518), (181, 11521), (190, 11545), (205, 11569), (218, 11587), (231, 11623), (235, 11629), (251, 11656), (252, 11659), (262, 11680), (274, 11707), (289, 11734), (293, 11740), (321, 11803), (329, 11815), (348, 11857), (349, 11860), (350, 11863), (370, 11914), (384, 11929), (393, 11950), (402, 11965), (411, 11980), (413, 11986), (449, 12058), (450, 12061), (453, 12079), (454, 12082), (459, 12091), (474, 12139), (477, 12151), (482, 12160), (488, 12175), (491, 12181), (501, 12196),

Gene: PHL071N05_15 Start: 11297, Stop: 12238, Start Num: 60
Candidate Starts for PHL071N05_15:
(54, 11282), (Start: 57 @11288 has 8 MA's), (Start: 60 @11297 has 44 MA's), (78, 11330), (Start: 82 @11336 has 2 MA's), (Start: 89 @11348 has 3 MA's), (108, 11375), (112, 11384), (125, 11414), (126, 11417), (127, 11420), (133, 11432), (136, 11441), (144, 11456), (158, 11486), (168, 11516), (173, 11531), (181, 11549), (205, 11597), (218, 11615), (231, 11651), (235, 11657), (251, 11684), (265, 11717), (289, 11762), (293, 11768), (321, 11831), (329, 11843), (348, 11885), (349, 11888), (350, 11891), (384, 11957), (393, 11978), (402, 11993), (411, 12008), (413, 12014), (449, 12086), (450, 12089), (453, 12107), (454, 12110), (459, 12119), (474, 12167), (477, 12179), (482, 12188), (488, 12203), (491, 12209), (501, 12224),

Gene: PHL111M01_15 Start: 11287, Stop: 12234, Start Num: 60
Candidate Starts for PHL111M01_15:
(Start: 57 @11278 has 8 MA's), (Start: 58 @11281 has 12 MA's), (Start: 60 @11287 has 44 MA's), (78, 11320), (Start: 89 @11338 has 3 MA's), (91, 11341), (Start: 95 @11347 has 9 MA's), (108, 11371), (112, 11380), (125, 11410), (126, 11413), (127, 11416), (133, 11428), (144, 11452), (158, 11482), (168, 11512), (173, 11527), (178, 11539), (180, 11542), (181, 11545), (205, 11593), (218, 11611), (231, 11647), (235, 11653), (251, 11680), (274, 11731), (288, 11755), (293, 11764), (321, 11827), (329, 11839), (348, 11881), (349, 11884), (350, 11887), (370, 11938), (384, 11953), (393, 11974), (402, 11989), (411, 12004), (413, 12010), (449, 12082), (450, 12085), (453, 12103), (454, 12106), (459, 12115), (474, 12163), (477, 12175), (482, 12184), (488, 12199), (491, 12205), (501, 12220),

Gene: PHL112N00_15 Start: 11284, Stop: 12231, Start Num: 60
Candidate Starts for PHL112N00_15:
(Start: 57 @11275 has 8 MA's), (Start: 60 @11284 has 44 MA's), (78, 11317), (Start: 82 @11323 has 2 MA's), (Start: 89 @11335 has 3 MA's), (Start: 95 @11344 has 9 MA's), (112, 11377), (125, 11407), (126, 11410), (127, 11413), (133, 11425), (136, 11434), (144, 11449), (158, 11479), (168, 11509), (173, 11524), (178, 11536), (180, 11539), (181, 11542), (205, 11590), (218, 11608), (231, 11644), (235, 11650), (251, 11677), (252, 11680), (274, 11728), (289, 11755), (293, 11761), (321, 11824), (348, 11878), (349, 11881), (350, 11884), (364, 11917), (370, 11935), (384, 11950), (393, 11971), (402, 11986), (411, 12001), (413, 12007), (449, 12079), (450, 12082), (453, 12100), (454, 12103), (459, 12112), (474, 12160), (477, 12172), (482, 12181), (488, 12196), (491, 12202), (501, 12217),

Gene: PHL113M01_15 Start: 11311, Stop: 12252, Start Num: 60
Candidate Starts for PHL113M01_15:
(54, 11296), (Start: 57 @11302 has 8 MA's), (Start: 60 @11311 has 44 MA's), (78, 11344), (Start: 89 @11362 has 3 MA's), (108, 11389), (112, 11398), (124, 11425), (125, 11428), (126, 11431), (127,

11434), (133, 11446), (136, 11455), (144, 11470), (158, 11500), (168, 11530), (173, 11545), (178, 11557), (187, 11578), (190, 11587), (205, 11611), (218, 11629), (231, 11665), (235, 11671), (251, 11698), (269, 11740), (274, 11749), (289, 11776), (293, 11782), (321, 11845), (329, 11857), (348, 11899), (349, 11902), (350, 11905), (370, 11956), (384, 11971), (393, 11992), (402, 12007), (411, 12022), (413, 12028), (449, 12100), (450, 12103), (453, 12121), (454, 12124), (459, 12133), (474, 12181), (477, 12193), (482, 12202), (488, 12217), (491, 12223), (501, 12238),

Gene: PHL114L00_15 Start: 11289, Stop: 12236, Start Num: 60
Candidate Starts for PHL114L00_15:
(Start: 57 @11280 has 8 MA's), (Start: 60 @11289 has 44 MA's), (78, 11322), (Start: 89 @11340 has 3 MA's), (91, 11343), (Start: 95 @11349 has 9 MA's), (108, 11373), (112, 11382), (125, 11412), (126, 11415), (127, 11418), (133, 11430), (144, 11454), (158, 11484), (168, 11514), (173, 11529), (178, 11541), (180, 11544), (181, 11547), (190, 11571), (205, 11595), (218, 11613), (229, 11640), (231, 11649), (251, 11682), (252, 11685), (262, 11706), (274, 11733), (289, 11760), (293, 11766), (321, 11829), (329, 11841), (348, 11883), (349, 11886), (350, 11889), (370, 11940), (384, 11955), (393, 11976), (402, 11991), (411, 12006), (413, 12012), (449, 12084), (450, 12087), (453, 12105), (454, 12108), (474, 12165), (477, 12177), (482, 12186), (488, 12201), (491, 12207), (501, 12222),

Gene: Pace1224_17 Start: 15628, Stop: 16848, Start Num: 15
Candidate Starts for Pace1224_17:
(5, 15304), (Start: 15 @15628 has 2 MA's), (Start: 19 @15664 has 250 MA's), (50, 15790), (93, 15850), (107, 15874), (126, 15916), (127, 15919), (140, 15949), (170, 16021), (180, 16045), (186, 16060), (189, 16066), (202, 16105), (207, 16111), (288, 16255), (296, 16273), (306, 16294), (309, 16300), (318, 16324), (339, 16360), (408, 16525), (431, 16567), (433, 16573), (502, 16744), (514, 16810),

Gene: Padfoot_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Padfoot_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Padpat_22 Start: 16011, Stop: 17147, Start Num: 19
Candidate Starts for Padpat_22:
(Start: 19 @16011 has 250 MA's), (50, 16128), (107, 16218), (118, 16239), (126, 16260), (138, 16287), (262, 16542), (305, 16623), (342, 16698), (346, 16713), (408, 16824), (431, 16866), (463, 16959), (471, 16983), (511, 17076), (516, 17115), (520, 17133),

Gene: Paito_17 Start: 15610, Stop: 16782, Start Num: 19
Candidate Starts for Paito_17:
(Start: 19 @15610 has 250 MA's), (50, 15730), (Start: 62 @15748 has 5 MA's), (93, 15799), (107, 15823), (125, 15862), (136, 15889), (169, 15967), (170, 15970), (178, 15991), (207, 16045), (251, 16120), (304, 16222), (309, 16234), (389, 16429), (408, 16459), (418, 16477), (459, 16579), (514, 16744),

Gene: PantheRoc_18 Start: 16271, Stop: 17098, Start Num: 103
Candidate Starts for PantheRoc_18:
(Start: 103 @16271 has 37 MA's), (138, 16346), (188, 16466), (190, 16472), (234, 16538), (241, 16550), (272, 16607), (278, 16616), (296, 16652), (302, 16661), (311, 16682), (353, 16766), (388, 16841), (398, 16862), (465, 16985), (476, 17018),

Gene: Paola_20 Start: 16323, Stop: 17453, Start Num: 21
Candidate Starts for Paola_20:

(Start: 21 @16323 has 36 MA's), (125, 16563), (126, 16566), (138, 16593), (178, 16692), (229, 16794), (262, 16848), (280, 16878), (297, 16914), (299, 16917), (304, 16926), (340, 17001), (342, 17004), (371, 17082), (389, 17100), (391, 17106), (408, 17130), (409, 17133), (412, 17139), (431, 17172), (511, 17382), (516, 17421), (520, 17439),

Gene: Parada_21 Start: 16293, Stop: 17354, Start Num: 44
Candidate Starts for Parada_21:
(Start: 44 @16293 has 18 MA's), (74, 16338), (93, 16368), (149, 16476), (212, 16626), (233, 16674), (279, 16758), (284, 16767), (306, 16809), (380, 16986), (399, 17019), (418, 17055), (499, 17250), (515, 17322), (516, 17325),

Gene: Patio_43 Start: 29772, Stop: 30689, Start Num: 63
Candidate Starts for Patio_43:
(Start: 63 @29772 has 28 MA's), (115, 29850), (149, 29925), (190, 30033), (236, 30117), (335, 30297), (337, 30303), (439, 30519), (460, 30558), (487, 30633), (494, 30645), (500, 30654), (507, 30675),

Gene: Patt_23 Start: 17231, Stop: 18364, Start Num: 19
Candidate Starts for Patt_23:
(Start: 19 @17231 has 250 MA's), (23, 17249), (35, 17321), (50, 17351), (107, 17441), (112, 17450), (126, 17483), (136, 17507), (180, 17612), (262, 17765), (302, 17834), (304, 17840), (371, 17993), (389, 18011), (408, 18041), (431, 18083), (432, 18086), (507, 18278), (511, 18293), (516, 18332), (520, 18350),

Gene: Peanam_22 Start: 15375, Stop: 16514, Start Num: 19
Candidate Starts for Peanam_22:
(Start: 19 @15375 has 250 MA's), (50, 15495), (107, 15585), (138, 15654), (178, 15753), (180, 15756), (229, 15855), (262, 15909), (305, 15990), (342, 16065), (346, 16080), (391, 16167), (408, 16191), (431, 16233), (432, 16236), (451, 16287), (463, 16326), (502, 16410), (507, 16428), (511, 16443), (516, 16482), (520, 16500),

Gene: Peeb_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Peeb_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Peel_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Peel_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Pemberton_43 Start: 26958, Stop: 27878, Start Num: 67
Candidate Starts for Pemberton_43:
(Start: 67 @26958 has 9 MA's), (115, 27039), (134, 27084), (164, 27153), (246, 27321), (291, 27405), (314, 27456), (337, 27489), (433, 27687), (439, 27705), (460, 27747), (496, 27837), (500, 27843), (507, 27864),

Gene: Percival_16 Start: 13829, Stop: 14695, Start Num: 83
Candidate Starts for Percival_16:
(Start: 83 @13829 has 18 MA's), (140, 13943), (177, 14030), (178, 14033), (181, 14039), (232, 14141), (247, 14156), (278, 14207), (289, 14228), (351, 14342), (437, 14501), (480, 14621), (483, 14627),

(498, 14657),

Gene: Periodt_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Periodt_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: PeteyPab_32 Start: 28461, Stop: 29327, Start Num: 56
Candidate Starts for PeteyPab_32:
(Start: 56 @28461 has 19 MA's), (68, 28485), (96, 28530), (125, 28590), (142, 28629), (181, 28725), (266, 28887), (283, 28920), (335, 28995), (344, 29019), (443, 29160), (460, 29196), (468, 29223), (492, 29280),

Gene: Petra_20 Start: 16194, Stop: 17054, Start Num: 88
Candidate Starts for Petra_20:
(Start: 83 @16188 has 18 MA's), (Start: 88 @16194 has 25 MA's), (151, 16311), (166, 16350), (199, 16431), (259, 16530), (313, 16638), (351, 16722), (381, 16788), (385, 16794), (460, 16923), (474, 16965),

Gene: Pharb_21 Start: 16291, Stop: 17427, Start Num: 19
Candidate Starts for Pharb_21:
(Start: 19 @16291 has 250 MA's), (50, 16414), (Start: 62 @16432 has 5 MA's), (Start: 89 @16477 has 3 MA's), (93, 16483), (112, 16513), (126, 16546), (170, 16651), (178, 16672), (181, 16678), (210, 16735), (229, 16774), (251, 16804), (297, 16891), (314, 16927), (389, 17074), (408, 17104), (412, 17113), (431, 17146), (432, 17149), (433, 17152), (454, 17212), (463, 17239), (503, 17326), (513, 17383), (514, 17389), (516, 17395),

Gene: Pharpay_30 Start: 17808, Stop: 18698, Start Num: 84
Candidate Starts for Pharpay_30:
(Start: 84 @17808 has 37 MA's), (239, 18132), (253, 18156), (271, 18189), (353, 18345), (386, 18411), (444, 18519), (487, 18639), (508, 18690), (510, 18693),

Gene: PhelpsODU_21 Start: 15233, Stop: 16372, Start Num: 19
Candidate Starts for PhelpsODU_21:
(Start: 19 @15233 has 250 MA's), (50, 15353), (107, 15443), (138, 15512), (229, 15713), (262, 15767), (280, 15797), (346, 15938), (369, 15998), (389, 16019), (408, 16049), (431, 16091), (432, 16094), (433, 16097), (463, 16184), (471, 16208), (507, 16286), (511, 16301), (516, 16340), (520, 16358),

Gene: Phendrix_86 Start: 51239, Stop: 52195, Start Num: 66
Candidate Starts for Phendrix_86:
(Start: 66 @51239 has 2 MA's), (90, 51278), (143, 51383), (154, 51404), (171, 51455), (173, 51461), (187, 51494), (279, 51662), (295, 51692), (377, 51872), (404, 51926), (415, 51947), (432, 51986), (433, 51989), (445, 52016), (446, 52019), (449, 52025), (459, 52052), (464, 52070), (476, 52109), (498, 52154), (502, 52160), (503, 52163),

Gene: PhinkBoden_47 Start: 29095, Stop: 29976, Start Num: 58
Candidate Starts for PhinkBoden_47:
(Start: 58 @29095 has 12 MA's), (Start: 88 @29143 has 25 MA's), (107, 29170), (139, 29242), (167, 29308), (178, 29338), (252, 29446), (304, 29539), (314, 29563), (319, 29578), (371, 29674), (408, 29722), (483, 29902), (502, 29938),

Gene: Phish_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Phish_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Phishy_21 Start: 17919, Stop: 18779, Start Num: 57
Candidate Starts for Phishy_21:
(Start: 57 @17919 has 8 MA's), (Start: 61 @17925 has 1 MA's), (Start: 82 @17961 has 2 MA's), (Start: 83 @17964 has 18 MA's), (136, 18063), (166, 18132), (171, 18147), (176, 18159), (243, 18255), (245, 18258), (249, 18267), (256, 18279), (262, 18294), (330, 18423), (407, 18543), (422, 18564), (477, 18705),

Gene: Phloodle_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Phloodle_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Phomeo_39 Start: 29529, Stop: 30470, Start Num: 63
Candidate Starts for Phomeo_39:
(Start: 63 @29529 has 28 MA's), (115, 29616), (149, 29691), (173, 29757), (190, 29799), (223, 29856), (337, 30069), (347, 30096), (397, 30207), (460, 30339), (500, 30435),

Gene: Phrank_21 Start: 15187, Stop: 16326, Start Num: 19
Candidate Starts for Phrank_21:
(Start: 19 @15187 has 250 MA's), (50, 15307), (107, 15397), (138, 15466), (229, 15667), (346, 15892), (369, 15952), (389, 15973), (431, 16045), (432, 16048), (433, 16051), (463, 16138), (471, 16162), (507, 16240), (511, 16255), (516, 16294), (520, 16312),

Gene: Phreak_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Phreak_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: PhriskyACE_18 Start: 15989, Stop: 16825, Start Num: 97
Candidate Starts for PhriskyACE_18:
(Start: 97 @15989 has 19 MA's), (Start: 103 @15998 has 37 MA's), (123, 16040), (138, 16073), (146, 16088), (190, 16199), (193, 16205), (197, 16214), (219, 16244), (255, 16298), (275, 16337), (291, 16367), (296, 16379), (311, 16409), (315, 16418), (388, 16568), (436, 16658), (476, 16745),

Gene: PhrostedPhlake_19 Start: 16169, Stop: 17029, Start Num: 88
Candidate Starts for PhrostedPhlake_19:
(Start: 83 @16163 has 18 MA's), (Start: 88 @16169 has 25 MA's), (166, 16325), (199, 16406), (259, 16505), (313, 16613), (351, 16697), (381, 16763), (385, 16769), (460, 16898), (468, 16925), (474,

16940),

Gene: PhunaPhoke_30 Start: 17781, Stop: 18671, Start Num: 84
Candidate Starts for PhunaPhoke_30:
(Start: 84 @17781 has 37 MA's), (239, 18105), (253, 18129), (271, 18162), (353, 18318), (386, 18384), (444, 18492), (487, 18612), (508, 18663), (510, 18666),

Gene: Piatt_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Piatt_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Pimento_22 Start: 15990, Stop: 17051, Start Num: 44
Candidate Starts for Pimento_22:
(Start: 44 @15990 has 18 MA's), (74, 16035), (93, 16065), (149, 16173), (212, 16323), (233, 16371), (279, 16455), (284, 16464), (306, 16506), (380, 16683), (418, 16752), (499, 16947), (515, 17019), (516, 17022),

Gene: PinkYoshi_17 Start: 15468, Stop: 16640, Start Num: 19
Candidate Starts for PinkYoshi_17:
(5, 15135), (Start: 19 @15468 has 250 MA's), (50, 15588), (Start: 62 @15606 has 5 MA's), (Start: 89 @15651 has 3 MA's), (93, 15657), (125, 15720), (140, 15756), (169, 15825), (170, 15828), (178, 15849), (207, 15903), (229, 15948), (251, 15978), (304, 16080), (309, 16092), (314, 16104), (320, 16122), (389, 16287), (408, 16317), (418, 16335), (431, 16359), (473, 16479), (511, 16569), (514, 16602),

Gene: Pinnie_18 Start: 16180, Stop: 17358, Start Num: 19
Candidate Starts for Pinnie_18:
(Start: 19 @16180 has 250 MA's), (Start: 62 @16324 has 5 MA's), (93, 16375), (126, 16441), (127, 16444), (140, 16474), (170, 16546), (202, 16615), (207, 16621), (282, 16756), (309, 16810), (339, 16870), (376, 16978), (408, 17035), (431, 17077), (499, 17251), (502, 17254), (514, 17320),

Gene: Pipp_18 Start: 15781, Stop: 16647, Start Num: 83
Candidate Starts for Pipp_18:
(Start: 83 @15781 has 18 MA's), (Start: 88 @15787 has 25 MA's), (Start: 98 @15802 has 1 MA's), (166, 15943), (199, 16024), (313, 16231), (351, 16315), (381, 16381), (410, 16426), (460, 16516), (468, 16543), (474, 16558),

Gene: Pirate_15 Start: 11280, Stop: 12227, Start Num: 60
Candidate Starts for Pirate_15:
(53, 11265), (Start: 57 @11271 has 8 MA's), (Start: 58 @11274 has 12 MA's), (Start: 60 @11280 has 44 MA's), (78, 11313), (Start: 89 @11331 has 3 MA's), (91, 11334), (108, 11364), (112, 11373), (125, 11403), (126, 11406), (127, 11409), (133, 11421), (136, 11430), (158, 11475), (168, 11505), (173, 11520), (178, 11532), (180, 11535), (181, 11538), (195, 11571), (205, 11586), (218, 11604), (231, 11640), (235, 11646), (251, 11673), (262, 11697), (274, 11724), (289, 11751), (293, 11757), (321, 11820), (329, 11832), (348, 11874), (349, 11877), (350, 11880), (370, 11931), (384, 11946), (393, 11967), (402, 11982), (411, 11997), (413, 12003), (449, 12075), (450, 12078), (453, 12096), (454, 12099), (459, 12108), (474, 12156), (477, 12168), (482, 12177), (488, 12192), (491, 12198), (501, 12213),

Gene: Pisa1_21 Start: 16089, Stop: 17225, Start Num: 19
Candidate Starts for Pisa1_21:

(Start: 19 @16089 has 250 MA's), (50, 16206), (118, 16317), (126, 16338), (138, 16365), (229, 16566), (262, 16620), (305, 16701), (342, 16776), (346, 16791), (408, 16902), (431, 16944), (463, 17037), (471, 17061), (511, 17154), (516, 17193), (520, 17211),

Gene: Pisa4_21 Start: 16089, Stop: 17225, Start Num: 19
Candidate Starts for Pisa4_21:
(Start: 19 @16089 has 250 MA's), (50, 16206), (118, 16317), (126, 16338), (138, 16365), (229, 16566), (262, 16620), (305, 16701), (342, 16776), (346, 16791), (408, 16902), (431, 16944), (463, 17037), (471, 17061), (511, 17154), (516, 17193), (520, 17211),

Gene: Pixie_21 Start: 16222, Stop: 17358, Start Num: 19
Candidate Starts for Pixie_21:
(Start: 19 @16222 has 250 MA's), (50, 16345), (Start: 89 @16408 has 3 MA's), (93, 16414), (112, 16444), (126, 16477), (170, 16582), (178, 16603), (181, 16609), (210, 16666), (229, 16705), (251, 16735), (297, 16822), (314, 16858), (325, 16885), (389, 17005), (408, 17035), (412, 17044), (431, 17077), (432, 17080), (433, 17083), (463, 17170), (503, 17257), (514, 17320), (516, 17326),

Gene: Plagueis_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Plagueis_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Pleakley_49 Start: 29758, Stop: 30678, Start Num: 63
Candidate Starts for Pleakley_49:
(Start: 63 @29758 has 28 MA's), (115, 29839), (149, 29914), (168, 29965), (223, 30079), (335, 30286), (460, 30547), (482, 30610), (500, 30643),

Gene: Poise_49 Start: 25756, Stop: 26718, Start Num: 77
Candidate Starts for Poise_49:
(Start: 77 @25756 has 20 MA's), (147, 25888), (157, 25912), (161, 25921), (163, 25927), (166, 25936), (175, 25960), (178, 25969), (184, 25981), (189, 25993), (251, 26107), (294, 26188), (301, 26203), (303, 26209), (349, 26317), (422, 26443), (426, 26449), (486, 26599), (489, 26605), (497, 26617), (499, 26620), (518, 26707), (520, 26710), (521, 26713),

Gene: Pokerus_21 Start: 15968, Stop: 17104, Start Num: 19
Candidate Starts for Pokerus_21:
(Start: 19 @15968 has 250 MA's), (50, 16085), (107, 16175), (118, 16196), (126, 16217), (138, 16244), (262, 16499), (305, 16580), (342, 16655), (346, 16670), (408, 16781), (431, 16823), (463, 16916), (471, 16940), (511, 17033), (516, 17072), (520, 17090),

Gene: Polly_18 Start: 16949, Stop: 17776, Start Num: 103
Candidate Starts for Polly_18:
(Start: 103 @16949 has 37 MA's), (127, 17003), (140, 17030), (188, 17144), (190, 17150), (197, 17165), (275, 17288), (296, 17330), (302, 17339), (311, 17360), (353, 17444), (388, 17519), (465, 17663), (476, 17696),

Gene: Polyyuki_44 Start: 30428, Stop: 31354, Start Num: 62
Candidate Starts for Polyyuki_44:
(Start: 62 @30428 has 5 MA's), (Start: 89 @30464 has 3 MA's), (149, 30581), (164, 30620), (170, 30638), (190, 30689), (246, 30788), (287, 30863), (291, 30872), (325, 30947), (337, 30968), (397, 31106), (421, 31142), (438, 31181), (460, 31223), (482, 31286), (500, 31319),

Gene: Ponzi_55 Start: 36570, Stop: 37538, Start Num: 48
Candidate Starts for Ponzi_55:
(Start: 37 @36546 has 5 MA's), (Start: 48 @36570 has 1 MA's), (Start: 88 @36642 has 25 MA's), (126, 36720), (133, 36735), (176, 36840), (178, 36846), (257, 36996), (292, 37065), (417, 37296), (451, 37377), (462, 37413), (496, 37500), (500, 37506),

Gene: PotatoChip_33 Start: 28463, Stop: 29329, Start Num: 56
Candidate Starts for PotatoChip_33:
(Start: 56 @28463 has 19 MA's), (68, 28487), (96, 28532), (125, 28592), (142, 28631), (181, 28727), (266, 28889), (283, 28922), (335, 28997), (344, 29021), (443, 29162), (460, 29198), (468, 29225), (492, 29282),

Gene: Potty_30 Start: 17786, Stop: 18676, Start Num: 84
Candidate Starts for Potty_30:
(Start: 84 @17786 has 37 MA's), (239, 18110), (253, 18134), (271, 18167), (353, 18323), (444, 18497), (487, 18617), (508, 18668), (510, 18671),

Gene: Poultress_29 Start: 17550, Stop: 18440, Start Num: 84
Candidate Starts for Poultress_29:
(Start: 84 @17550 has 37 MA's), (144, 17670), (200, 17805), (239, 17874), (253, 17898), (271, 17931), (353, 18087), (368, 18120), (386, 18153), (444, 18261), (475, 18351), (487, 18381), (508, 18432),

Gene: Powerball_18 Start: 15995, Stop: 16822, Start Num: 103
Candidate Starts for Powerball_18:
(Start: 103 @15995 has 37 MA's), (138, 16070), (166, 16133), (175, 16157), (190, 16196), (193, 16202), (219, 16241), (255, 16295), (271, 16328), (272, 16331), (275, 16334), (296, 16376), (315, 16415), (353, 16490), (388, 16565), (436, 16655),

Gene: Primanti_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Primanti_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: PrincePatrick_18 Start: 15957, Stop: 16817, Start Num: 85
Candidate Starts for PrincePatrick_18:
(Start: 85 @15957 has 15 MA's), (Start: 98 @15972 has 1 MA's), (114, 16002), (125, 16023), (166, 16113), (199, 16194), (310, 16398), (313, 16401), (410, 16596), (460, 16686), (474, 16728), (496, 16776), (500, 16782),

Gene: Pringar_49 Start: 26044, Stop: 27006, Start Num: 77
Candidate Starts for Pringar_49:
(Start: 77 @26044 has 20 MA's), (147, 26176), (157, 26200), (161, 26209), (163, 26215), (166, 26224), (175, 26248), (178, 26257), (184, 26269), (251, 26395), (294, 26476), (301, 26491), (303, 26497), (349, 26605), (422, 26731), (426, 26737), (486, 26887), (489, 26893), (497, 26905), (499, 26908), (518, 26995), (520, 26998), (521, 27001),

Gene: Prithvi_22 Start: 15985, Stop: 17121, Start Num: 19
Candidate Starts for Prithvi_22:

(Start: 19 @15985 has 250 MA's), (50, 16102), (107, 16192), (118, 16213), (126, 16234), (138, 16261), (262, 16516), (305, 16597), (342, 16672), (346, 16687), (408, 16798), (431, 16840), (463, 16933), (471, 16957), (511, 17050), (516, 17089), (520, 17107),

Gene: Procrass1_15 Start: 11294, Stop: 12235, Start Num: 60
Candidate Starts for Procrass1_15:
(54, 11279), (Start: 57 @11285 has 8 MA's), (Start: 58 @11288 has 12 MA's), (Start: 60 @11294 has 44 MA's), (78, 11327), (Start: 89 @11345 has 3 MA's), (108, 11372), (112, 11381), (125, 11411), (126, 11414), (127, 11417), (133, 11429), (136, 11438), (144, 11453), (158, 11483), (168, 11513), (173, 11528), (178, 11540), (180, 11543), (181, 11546), (205, 11594), (218, 11612), (231, 11648), (235, 11654), (251, 11681), (262, 11705), (269, 11723), (274, 11732), (289, 11759), (293, 11765), (321, 11828), (329, 11840), (348, 11882), (349, 11885), (350, 11888), (364, 11921), (370, 11939), (384, 11954), (393, 11975), (402, 11990), (411, 12005), (413, 12011), (449, 12083), (450, 12086), (453, 12104), (454, 12107), (459, 12116), (474, 12164), (477, 12176), (482, 12185), (488, 12200), (491, 12206), (501, 12221),

Gene: Psycho_20 Start: 16299, Stop: 17429, Start Num: 21
Candidate Starts for Psycho_20:
(Start: 21 @16299 has 36 MA's), (Start: 89 @16473 has 3 MA's), (125, 16539), (138, 16569), (178, 16668), (229, 16770), (262, 16824), (280, 16854), (297, 16890), (299, 16893), (304, 16902), (340, 16977), (342, 16980), (353, 17016), (371, 17058), (389, 17076), (391, 17082), (408, 17106), (409, 17109), (431, 17148), (466, 17250), (511, 17358), (516, 17397), (520, 17415),

Gene: Qhanda_24 Start: 17527, Stop: 18642, Start Num: 23
Candidate Starts for Qhanda_24:
(Start: 19 @17509 has 250 MA's), (23, 17527), (35, 17599), (50, 17629), (107, 17719), (126, 17761), (136, 17785), (180, 17890), (262, 18043), (302, 18112), (304, 18118), (371, 18271), (389, 18289), (408, 18319), (431, 18361), (432, 18364), (511, 18571), (516, 18610), (520, 18628),

Gene: QueenBey_15 Start: 11288, Stop: 12235, Start Num: 60
Candidate Starts for QueenBey_15:
(53, 11273), (Start: 57 @11279 has 8 MA's), (Start: 60 @11288 has 44 MA's), (78, 11321), (Start: 82 @11327 has 2 MA's), (Start: 89 @11339 has 3 MA's), (91, 11342), (Start: 95 @11348 has 9 MA's), (108, 11372), (112, 11381), (125, 11411), (126, 11414), (127, 11417), (133, 11429), (136, 11438), (158, 11483), (168, 11513), (173, 11528), (176, 11534), (180, 11543), (205, 11594), (218, 11612), (229, 11639), (231, 11648), (235, 11654), (251, 11681), (262, 11705), (274, 11732), (288, 11756), (293, 11765), (321, 11828), (348, 11882), (349, 11885), (350, 11888), (370, 11939), (384, 11954), (393, 11975), (402, 11990), (411, 12005), (413, 12011), (449, 12083), (450, 12086), (453, 12104), (454, 12107), (459, 12116), (474, 12164), (477, 12176), (482, 12185), (488, 12200), (491, 12206), (501, 12221),

Gene: QuincyRose_21 Start: 16031, Stop: 17167, Start Num: 19
Candidate Starts for QuincyRose_21:
(Start: 19 @16031 has 250 MA's), (50, 16148), (107, 16238), (118, 16259), (126, 16280), (138, 16307), (262, 16562), (305, 16643), (342, 16718), (346, 16733), (408, 16844), (431, 16886), (463, 16979), (471, 17003), (511, 17096), (516, 17135), (520, 17153),

Gene: Rabbs_17 Start: 15479, Stop: 16657, Start Num: 19
Candidate Starts for Rabbs_17:
(4, 15083), (5, 15143), (Start: 19 @15479 has 250 MA's), (50, 15605), (Start: 62 @15623 has 5 MA's), (Start: 89 @15668 has 3 MA's), (93, 15674), (125, 15737), (140, 15773), (169, 15842), (170, 15845), (178, 15866), (207, 15920), (251, 15995), (304, 16097), (309, 16109), (389, 16304), (408, 16334), (418, 16352), (431, 16376), (466, 16478), (473, 16496), (511, 16586), (514, 16619),

Gene: Rachella_30 Start: 17789, Stop: 18679, Start Num: 84
Candidate Starts for Rachella_30:
(Start: 84 @17789 has 37 MA's), (239, 18113), (253, 18137), (271, 18170), (353, 18326), (386, 18392), (444, 18500), (487, 18620), (508, 18671), (510, 18674),

Gene: Raela_49 Start: 26311, Stop: 27273, Start Num: 77
Candidate Starts for Raela_49:
(Start: 77 @26311 has 20 MA's), (147, 26443), (157, 26467), (161, 26476), (163, 26482), (166, 26491), (175, 26515), (178, 26524), (184, 26536), (251, 26662), (294, 26743), (301, 26758), (303, 26764), (349, 26872), (422, 26998), (426, 27004), (453, 27079), (486, 27154), (489, 27160), (497, 27172), (499, 27175), (518, 27262), (520, 27265), (521, 27268),

Gene: Ramen_22 Start: 16017, Stop: 17153, Start Num: 19
Candidate Starts for Ramen_22:
(Start: 19 @16017 has 250 MA's), (50, 16134), (107, 16224), (118, 16245), (126, 16266), (138, 16293), (262, 16548), (305, 16629), (342, 16704), (346, 16719), (408, 16830), (431, 16872), (463, 16965), (471, 16989), (511, 17082), (516, 17121), (520, 17139),

Gene: Rando14_20 Start: 14989, Stop: 16119, Start Num: 21
Candidate Starts for Rando14_20:
(Start: 21 @14989 has 36 MA's), (Start: 62 @15118 has 5 MA's), (Start: 89 @15163 has 3 MA's), (125, 15229), (126, 15232), (138, 15259), (178, 15358), (229, 15460), (262, 15514), (280, 15544), (297, 15580), (304, 15592), (325, 15643), (340, 15667), (351, 15700), (371, 15748), (391, 15772), (408, 15796), (409, 15799), (431, 15838), (511, 16048), (516, 16087), (520, 16105),

Gene: Rapunzel97_22 Start: 16018, Stop: 17154, Start Num: 19
Candidate Starts for Rapunzel97_22:
(Start: 19 @16018 has 250 MA's), (50, 16135), (107, 16225), (118, 16246), (126, 16267), (138, 16294), (262, 16549), (305, 16630), (342, 16705), (346, 16720), (408, 16831), (431, 16873), (463, 16966), (471, 16990), (511, 17083), (516, 17122), (520, 17140),

Gene: Rattrick_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Rattrick_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: RedRaider_47 Start: 31794, Stop: 32711, Start Num: 63
Candidate Starts for RedRaider_47:
(Start: 63 @31794 has 28 MA's), (115, 31872), (149, 31947), (190, 32055), (236, 32139), (335, 32319), (337, 32325), (439, 32541), (460, 32580), (482, 32643), (487, 32655), (500, 32676), (507, 32697),

Gene: RedRaider77_49 Start: 26212, Stop: 27174, Start Num: 77
Candidate Starts for RedRaider77_49:
(Start: 77 @26212 has 20 MA's), (147, 26344), (157, 26368), (161, 26377), (163, 26383), (166, 26392), (175, 26416), (178, 26425), (184, 26437), (251, 26563), (294, 26644), (301, 26659), (303, 26665), (349, 26773), (422, 26899), (426, 26905), (453, 26980), (486, 27055), (489, 27061), (497, 27073), (499, 27076), (518, 27163), (520, 27166), (521, 27169),

Gene: Rem711_24 Start: 17926, Stop: 19032, Start Num: 33

Candidate Starts for Rem711_24:
(3, 17356), (9, 17629), (28, 17917), (Start: 33 @17926 has 1 MA's), (52, 17965), (182, 18217), (236, 18337), (301, 18451), (308, 18469), (321, 18499), (328, 18511), (400, 18691), (416, 18718), (519, 19018),

Gene: RemusLoopin_13 Start: 10423, Stop: 11289, Start Num: 95
Candidate Starts for RemusLoopin_13:
(Start: 95 @10423 has 9 MA's), (118, 10468), (136, 10513), (152, 10546), (156, 10555), (161, 10570), (168, 10591), (173, 10606), (176, 10612), (197, 10663), (209, 10684), (234, 10729), (250, 10756), (276, 10807), (278, 10810), (299, 10852), (311, 10879), (324, 10909), (347, 10936), (351, 10948), (403, 11056), (450, 11128), (451, 11134), (462, 11170), (464, 11176), (467, 11185),

Gene: Remy19_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Remy19_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Renaissance_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Renaissance_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Reptar3000_23 Start: 17233, Stop: 18366, Start Num: 19
Candidate Starts for Reptar3000_23:
(Start: 19 @17233 has 250 MA's), (23, 17251), (35, 17323), (50, 17353), (107, 17443), (112, 17452), (126, 17485), (136, 17509), (180, 17614), (262, 17767), (302, 17836), (304, 17842), (371, 17995), (389, 18013), (408, 18043), (431, 18085), (432, 18088), (511, 18295), (516, 18334), (520, 18352),

Gene: Richarlison_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Richarlison_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Richo_22 Start: 15375, Stop: 16514, Start Num: 19
Candidate Starts for Richo_22:
(Start: 19 @15375 has 250 MA's), (50, 15495), (107, 15585), (138, 15654), (178, 15753), (180, 15756), (229, 15855), (262, 15909), (305, 15990), (342, 16065), (346, 16080), (391, 16167), (408, 16191), (431, 16233), (432, 16236), (451, 16287), (463, 16326), (502, 16410), (507, 16428), (511, 16443), (516, 16482), (520, 16500),

Gene: Rie18_30 Start: 17302, Stop: 18192, Start Num: 84
Candidate Starts for Rie18_30:
(Start: 84 @17302 has 37 MA's), (239, 17626), (253, 17650), (353, 17839), (368, 17872), (444, 18013), (475, 18103), (487, 18133), (508, 18184), (510, 18187),

Gene: Rileysaurus_15 Start: 11284, Stop: 12231, Start Num: 60
Candidate Starts for Rileysaurus_15:
(Start: 57 @11275 has 8 MA's), (Start: 58 @11278 has 12 MA's), (Start: 60 @11284 has 44 MA's), (78, 11317), (Start: 89 @11335 has 3 MA's), (91, 11338), (Start: 95 @11344 has 9 MA's), (108, 11368), (112, 11377), (125, 11407), (126, 11410), (127, 11413), (133, 11425), (136, 11434), (158, 11479), (168, 11509), (173, 11524), (176, 11530), (181, 11542), (218, 11608), (229, 11635), (231, 11644), (235, 11650), (251, 11677), (274, 11728), (288, 11752), (293, 11761), (321, 11824), (329, 11836), (348, 11878), (349, 11881), (350, 11884), (370, 11935), (384, 11950), (393, 11971), (402, 11986), (411, 12001), (413, 12007), (449, 12079), (450, 12082), (453, 12100), (454, 12103), (459, 12112), (474, 12160), (477, 12172), (482, 12181), (488, 12196), (491, 12202), (501, 12217),

Gene: Rizz_22 Start: 16864, Stop: 17706, Start Num: 97
Candidate Starts for Rizz_22:
(Start: 97 @16864 has 19 MA's), (Start: 103 @16873 has 37 MA's), (123, 16915), (138, 16948), (146, 16963), (166, 17011), (185, 17059), (190, 17074), (193, 17080), (219, 17119), (255, 17173), (275, 17212), (278, 17218), (296, 17254), (311, 17284), (315, 17293), (388, 17449), (476, 17626),

Gene: RonRayGun_18 Start: 16018, Stop: 16983, Start Num: 70
Candidate Starts for RonRayGun_18:
(Start: 70 @16018 has 8 MA's), (Start: 88 @16045 has 25 MA's), (Start: 98 @16063 has 1 MA's), (181, 16240), (182, 16243), (225, 16318), (256, 16384), (269, 16411), (298, 16468), (303, 16477), (424, 16714), (434, 16738), (469, 16837), (477, 16858), (487, 16879), (506, 16918), (509, 16927),

Gene: Rosmarinus_22 Start: 16039, Stop: 17175, Start Num: 19
Candidate Starts for Rosmarinus_22:
(Start: 19 @16039 has 250 MA's), (50, 16156), (107, 16246), (118, 16267), (126, 16288), (138, 16315), (262, 16570), (305, 16651), (342, 16726), (346, 16741), (408, 16852), (431, 16894), (463, 16987), (471, 17011), (511, 17104), (516, 17143), (520, 17161),

Gene: RunningOnE_73 Start: 40650, Stop: 41642, Start Num: 37
Candidate Starts for RunningOnE_73:
(Start: 37 @40650 has 5 MA's), (41, 40662), (72, 40713), (75, 40719), (Start: 88 @40740 has 25 MA's), (127, 40821), (130, 40824), (158, 40887), (175, 40935), (178, 40944), (201, 40998), (228, 41043), (257, 41094), (307, 41196), (334, 41244), (378, 41319), (484, 41580),

Gene: Ruriko_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Ruriko_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Ruthiejr_22 Start: 17121, Stop: 18254, Start Num: 19
Candidate Starts for Ruthiejr_22:
(Start: 19 @17121 has 250 MA's), (35, 17211), (50, 17241), (107, 17331), (126, 17373), (127, 17376), (133, 17388), (302, 17724), (304, 17730), (340, 17805), (371, 17883), (387, 17898), (408, 17931), (431, 17973), (432, 17976), (464, 18069), (511, 18183), (516, 18222), (520, 18240),

Gene: Ruthy_18 Start: 15266, Stop: 16327, Start Num: 44
Candidate Starts for Ruthy_18:

(Start: 44 @15266 has 18 MA's), (107, 15359), (126, 15401), (149, 15449), (180, 15527), (222, 15617), (230, 15641), (233, 15647), (272, 15719), (277, 15728), (279, 15731), (284, 15740), (306, 15782), (351, 15881), (377, 15950), (463, 16145), (499, 16223), (511, 16259), (515, 16295), (516, 16298),

Gene: SKKY_15 Start: 11329, Stop: 12270, Start Num: 60
Candidate Starts for SKKY_15:
(51, 11311), (Start: 60 @11329 has 44 MA's), (78, 11362), (Start: 82 @11368 has 2 MA's), (Start: 89 @11380 has 3 MA's), (108, 11407), (112, 11416), (125, 11446), (126, 11449), (127, 11452), (133, 11464), (136, 11473), (144, 11488), (158, 11518), (168, 11548), (173, 11563), (178, 11575), (181, 11581), (190, 11605), (205, 11629), (218, 11647), (231, 11683), (235, 11689), (251, 11716), (252, 11719), (262, 11740), (274, 11767), (288, 11791), (293, 11800), (321, 11863), (348, 11917), (349, 11920), (354, 11935), (370, 11974), (384, 11989), (393, 12010), (402, 12025), (411, 12040), (413, 12046), (449, 12118), (450, 12121), (453, 12139), (454, 12142), (459, 12151), (474, 12199), (477, 12211), (482, 12220), (488, 12235), (491, 12241), (501, 12256),

Gene: SafetyGuy_30 Start: 17792, Stop: 18682, Start Num: 84
Candidate Starts for SafetyGuy_30:
(Start: 84 @17792 has 37 MA's), (239, 18116), (253, 18140), (271, 18173), (353, 18329), (444, 18503), (487, 18623), (508, 18674), (510, 18677),

Gene: Salvus_21 Start: 15192, Stop: 16304, Start Num: 22
Candidate Starts for Salvus_21:
(Start: 22 @15192 has 4 MA's), (24, 15240), (Start: 83 @15348 has 18 MA's), (Start: 89 @15357 has 3 MA's), (127, 15426), (139, 15453), (202, 15600), (264, 15708), (304, 15783), (307, 15792), (322, 15828), (353, 15897), (371, 15939), (408, 15984), (412, 15993), (442, 16050), (459, 16101), (480, 16161), (514, 16266),

Gene: SamScheppers_21 Start: 17028, Stop: 18161, Start Num: 19
Candidate Starts for SamScheppers_21:
(Start: 19 @17028 has 250 MA's), (23, 17046), (35, 17118), (50, 17148), (107, 17238), (126, 17280), (136, 17304), (180, 17409), (262, 17562), (302, 17631), (304, 17637), (371, 17790), (389, 17808), (408, 17838), (431, 17880), (432, 17883), (507, 18075), (511, 18090), (516, 18129), (520, 18147),

Gene: Samba_18 Start: 15871, Stop: 16731, Start Num: 85
Candidate Starts for Samba_18:
(Start: 85 @15871 has 15 MA's), (166, 16027), (199, 16108), (232, 16165), (238, 16174), (259, 16207), (313, 16315), (351, 16399), (381, 16465), (385, 16471), (460, 16600), (474, 16642),

Gene: Samman98_19 Start: 16504, Stop: 17340, Start Num: 97
Candidate Starts for Samman98_19:
(Start: 97 @16504 has 19 MA's), (Start: 103 @16513 has 37 MA's), (123, 16555), (138, 16588), (146, 16603), (166, 16651), (190, 16714), (193, 16720), (219, 16759), (255, 16813), (275, 16852), (278, 16858), (296, 16894), (311, 16924), (315, 16933), (388, 17083), (476, 17260),

Gene: Samora_13 Start: 10501, Stop: 11367, Start Num: 95
Candidate Starts for Samora_13:
(79, 10480), (Start: 95 @10501 has 9 MA's), (100, 10510), (118, 10546), (136, 10591), (209, 10762), (250, 10834), (283, 10897), (302, 10933), (310, 10954), (365, 11059), (405, 11137), (438, 11185), (450, 11206), (478, 11296),

Gene: SamuelLPlaqson_22 Start: 15965, Stop: 17101, Start Num: 19
Candidate Starts for SamuelLPlaqson_22:

(Start: 19 @15965 has 250 MA's), (50, 16082), (107, 16172), (118, 16193), (126, 16214), (138, 16241), (229, 16442), (262, 16496), (267, 16502), (305, 16577), (342, 16652), (346, 16667), (431, 16820), (463, 16913), (471, 16937), (511, 17030), (516, 17069), (520, 17087),

Gene: Sapo_15 Start: 13755, Stop: 14621, Start Num: 87
Candidate Starts for Sapo_15:
(Start: 87 @13755 has 1 MA's), (109, 13791), (127, 13827), (204, 13995), (207, 13998), (272, 14118), (289, 14148), (313, 14196), (314, 14199), (315, 14202), (326, 14226), (353, 14286), (395, 14373), (482, 14553),

Gene: Scarlett_21 Start: 15263, Stop: 16399, Start Num: 19
Candidate Starts for Scarlett_21:
(Start: 19 @15263 has 250 MA's), (50, 15380), (Start: 62 @15398 has 5 MA's), (118, 15491), (138, 15539), (229, 15740), (262, 15794), (288, 15839), (297, 15860), (320, 15914), (340, 15947), (346, 15965), (431, 16118), (432, 16121), (451, 16172), (463, 16211), (511, 16328), (516, 16367), (520, 16385),

Gene: Schiebel_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Schiebel_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Schmidt_19 Start: 13858, Stop: 14700, Start Num: 101
Candidate Starts for Schmidt_19:
(Start: 99 @13855 has 6 MA's), (Start: 101 @13858 has 5 MA's), (111, 13873), (116, 13879), (144, 13939), (146, 13942), (192, 14056), (198, 14068), (203, 14074), (221, 14101), (278, 14221), (304, 14272), (311, 14290), (341, 14350), (351, 14377), (365, 14410), (435, 14533), (464, 14614), (481, 14659), (487, 14668),

Gene: Scuba_49 Start: 29835, Stop: 30755, Start Num: 63
Candidate Starts for Scuba_49:
(Start: 63 @29835 has 28 MA's), (115, 29916), (149, 29991), (168, 30042), (223, 30156), (335, 30363), (460, 30624), (482, 30687), (500, 30720),

Gene: Sebastisaurus_13 Start: 10449, Stop: 11315, Start Num: 95
Candidate Starts for Sebastisaurus_13:
(Start: 95 @10449 has 9 MA's), (100, 10458), (118, 10494), (156, 10581), (168, 10617), (173, 10632), (176, 10638), (197, 10689), (209, 10710), (234, 10755), (250, 10782), (276, 10833), (278, 10836), (299, 10878), (324, 10935), (351, 10974), (450, 11154), (451, 11160), (453, 11169), (464, 11202),

Gene: Sekhmet_19 Start: 16864, Stop: 17700, Start Num: 97
Candidate Starts for Sekhmet_19:
(Start: 97 @16864 has 19 MA's), (Start: 103 @16873 has 37 MA's), (123, 16915), (138, 16948), (146, 16963), (166, 17011), (185, 17059), (190, 17074), (193, 17080), (219, 17119), (255, 17173), (275, 17212), (278, 17218), (296, 17254), (311, 17284), (315, 17293), (388, 17443), (436, 17533), (476, 17620),

Gene: SgtBeansprout_18 Start: 15554, Stop: 16696, Start Num: 19
Candidate Starts for SgtBeansprout_18:

(Start: 19 @15554 has 250 MA's), (50, 15677), (107, 15767), (138, 15836), (178, 15935), (180, 15938), (229, 16037), (305, 16172), (408, 16373), (431, 16415), (432, 16418), (463, 16508), (471, 16532), (511, 16625), (516, 16664), (520, 16682),

Gene: ShaboiShabazz_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for ShaboiShabazz_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Shadow1_20 Start: 15075, Stop: 16214, Start Num: 19
Candidate Starts for Shadow1_20:
(Start: 19 @15075 has 250 MA's), (50, 15195), (107, 15285), (138, 15354), (229, 15555), (305, 15690), (306, 15693), (340, 15762), (346, 15780), (369, 15840), (389, 15861), (408, 15891), (431, 15933), (432, 15936), (433, 15939), (463, 16026), (471, 16050), (507, 16128), (511, 16143), (516, 16182), (520, 16200),

Gene: Shaobing_22 Start: 15375, Stop: 16514, Start Num: 19
Candidate Starts for Shaobing_22:
(Start: 19 @15375 has 250 MA's), (50, 15495), (107, 15585), (138, 15654), (178, 15753), (180, 15756), (229, 15855), (262, 15909), (305, 15990), (342, 16065), (346, 16080), (391, 16167), (408, 16191), (431, 16233), (432, 16236), (451, 16287), (463, 16326), (502, 16410), (507, 16428), (511, 16443), (516, 16482), (520, 16500),

Gene: Shawty_13 Start: 10451, Stop: 11317, Start Num: 95
Candidate Starts for Shawty_13:
(Start: 95 @10451 has 9 MA's), (100, 10460), (118, 10496), (121, 10502), (145, 10559), (161, 10598), (168, 10619), (215, 10721), (248, 10781), (250, 10784), (283, 10847), (289, 10859), (302, 10883), (333, 10949), (410, 11096), (438, 11135), (441, 11141), (452, 11165), (459, 11186), (467, 11213), (478, 11246),

Gene: ShedlockHolmes_21 Start: 16440, Stop: 17576, Start Num: 19
Candidate Starts for ShedlockHolmes_21:
(Start: 19 @16440 has 250 MA's), (50, 16563), (Start: 89 @16626 has 3 MA's), (93, 16632), (112, 16662), (170, 16800), (178, 16821), (181, 16827), (210, 16884), (229, 16923), (251, 16953), (297, 17040), (314, 17076), (389, 17223), (408, 17253), (412, 17262), (431, 17295), (432, 17298), (433, 17301), (463, 17388), (503, 17475), (514, 17538), (516, 17544),

Gene: ShiaSurprise_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for ShiaSurprise_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Shlim410_19 Start: 17069, Stop: 17905, Start Num: 97
Candidate Starts for Shlim410_19:
(Start: 97 @17069 has 19 MA's), (Start: 103 @17078 has 37 MA's), (123, 17120), (138, 17153), (146, 17168), (166, 17216), (190, 17279), (193, 17285), (219, 17324), (255, 17378), (261, 17393), (275, 17417), (278, 17423), (296, 17459), (311, 17489), (315, 17498), (388, 17648), (436, 17738), (476, 17825),

Gene: Sidious_18 Start: 16465, Stop: 17292, Start Num: 103
Candidate Starts for Sidious_18:
(Start: 103 @16465 has 37 MA's), (188, 16660), (190, 16666), (197, 16681), (214, 16702), (241, 16744), (254, 16762), (278, 16810), (296, 16846), (302, 16855), (353, 16960), (388, 17035), (465, 17179), (476, 17212), (496, 17251),

Gene: SilentWarrior_29 Start: 16956, Stop: 17846, Start Num: 84
Candidate Starts for SilentWarrior_29:
(Start: 84 @16956 has 37 MA's), (188, 17184), (200, 17211), (239, 17280), (253, 17304), (271, 17337), (368, 17526), (386, 17559), (418, 17616), (444, 17667), (475, 17757), (487, 17787), (508, 17838), (510, 17841),

Gene: SirPhilip_21 Start: 14868, Stop: 16001, Start Num: 19
Candidate Starts for SirPhilip_21:
(Start: 19 @14868 has 250 MA's), (50, 14985), (118, 15096), (138, 15144), (180, 15246), (181, 15249), (229, 15345), (262, 15399), (297, 15462), (304, 15474), (340, 15549), (346, 15567), (371, 15630), (391, 15654), (409, 15681), (431, 15720), (432, 15723), (463, 15813), (503, 15900), (511, 15930), (513, 15957), (516, 15969), (520, 15987),

Gene: Sixama_98 Start: 58478, Stop: 59413, Start Num: 76
Candidate Starts for Sixama_98:
(Start: 76 @58478 has 5 MA's), (Start: 87 @58493 has 1 MA's), (94, 58505), (141, 58601), (143, 58604), (154, 58625), (279, 58883), (295, 58913), (306, 58931), (310, 58940), (392, 59126), (415, 59168), (446, 59240), (448, 59243), (449, 59246), (459, 59273), (464, 59291), (471, 59312), (479, 59336), (502, 59381),

Gene: Sizemore_17 Start: 15478, Stop: 16650, Start Num: 19
Candidate Starts for Sizemore_17:
(5, 15145), (Start: 19 @15478 has 250 MA's), (50, 15598), (Start: 62 @15616 has 5 MA's), (Start: 89 @15661 has 3 MA's), (93, 15667), (125, 15730), (140, 15766), (169, 15835), (170, 15838), (178, 15859), (207, 15913), (229, 15958), (251, 15988), (304, 16090), (309, 16102), (314, 16114), (320, 16132), (389, 16297), (408, 16327), (418, 16345), (431, 16369), (473, 16489), (511, 16579), (514, 16612),

Gene: Skysand_42 Start: 29992, Stop: 30909, Start Num: 63
Candidate Starts for Skysand_42:
(Start: 63 @29992 has 28 MA's), (115, 30070), (149, 30145), (190, 30253), (236, 30337), (335, 30517), (337, 30523), (439, 30739), (460, 30778), (487, 30853), (494, 30865), (500, 30874), (507, 30895),

Gene: Slarp_23 Start: 17500, Stop: 18633, Start Num: 19
Candidate Starts for Slarp_23:
(Start: 19 @17500 has 250 MA's), (23, 17518), (35, 17590), (50, 17620), (107, 17710), (126, 17752), (136, 17776), (180, 17881), (262, 18034), (302, 18103), (304, 18109), (371, 18262), (389, 18280), (408, 18310), (431, 18352), (432, 18355), (511, 18562), (516, 18601), (520, 18619),

Gene: Sleepyhead_17 Start: 14846, Stop: 15721, Start Num: 131
Candidate Starts for Sleepyhead_17:
(Start: 56 @14705 has 19 MA's), (Start: 61 @14714 has 1 MA's), (Start: 131 @14846 has 1 MA's), (153, 14897), (155, 14903), (160, 14912), (181, 14972), (340, 15296), (344, 15308), (348, 15320), (350, 15326), (362, 15359), (371, 15380), (393, 15428), (427, 15494), (428, 15497), (430, 15503), (459, 15581), (463, 15596), (502, 15689),

Gene: Slimphazie_22 Start: 16018, Stop: 17154, Start Num: 19

Candidate Starts for Slimphazie_22:
(Start: 19 @16018 has 250 MA's), (50, 16135), (107, 16225), (118, 16246), (126, 16267), (138, 16294), (262, 16549), (305, 16630), (342, 16705), (346, 16720), (408, 16831), (431, 16873), (463, 16966), (471, 16990), (511, 17083), (516, 17122), (520, 17140),

Gene: Smoothie_48 Start: 28706, Stop: 29593, Start Num: 56
Candidate Starts for Smoothie_48:
(Start: 56 @28706 has 19 MA's), (Start: 58 @28712 has 12 MA's), (Start: 88 @28760 has 25 MA's), (107, 28787), (139, 28859), (167, 28925), (178, 28955), (252, 29063), (304, 29156), (314, 29180), (319, 29195), (371, 29291), (408, 29339), (483, 29519), (502, 29555),

Gene: Snakehole_30 Start: 17045, Stop: 17935, Start Num: 84
Candidate Starts for Snakehole_30:
(Start: 84 @17045 has 37 MA's), (188, 17273), (200, 17300), (239, 17369), (253, 17393), (271, 17426), (353, 17582), (368, 17615), (386, 17648), (418, 17705), (444, 17756), (475, 17846), (487, 17876), (508, 17927), (510, 17930),

Gene: Sneeze_17 Start: 15478, Stop: 16656, Start Num: 19
Candidate Starts for Sneeze_17:
(4, 15082), (5, 15142), (Start: 19 @15478 has 250 MA's), (50, 15604), (Start: 62 @15622 has 5 MA's), (Start: 89 @15667 has 3 MA's), (93, 15673), (125, 15736), (140, 15772), (169, 15841), (170, 15844), (178, 15865), (207, 15919), (251, 15994), (304, 16096), (309, 16108), (389, 16303), (408, 16333), (418, 16351), (431, 16375), (466, 16477), (473, 16495), (511, 16585), (514, 16618),

Gene: SoSeph_20 Start: 16471, Stop: 17601, Start Num: 21
Candidate Starts for SoSeph_20:
(Start: 21 @16471 has 36 MA's), (Start: 89 @16645 has 3 MA's), (125, 16711), (126, 16714), (138, 16741), (178, 16840), (229, 16942), (262, 16996), (280, 17026), (297, 17062), (299, 17065), (304, 17074), (340, 17149), (342, 17152), (353, 17188), (371, 17230), (389, 17248), (391, 17254), (408, 17278), (409, 17281), (412, 17287), (431, 17320), (511, 17530), (516, 17569), (520, 17587),

Gene: Soilmate_18 Start: 15754, Stop: 16620, Start Num: 83
Candidate Starts for Soilmate_18:
(Start: 83 @15754 has 18 MA's), (Start: 88 @15760 has 25 MA's), (166, 15916), (199, 15997), (259, 16096), (313, 16204), (351, 16288), (381, 16354), (385, 16360), (460, 16489), (474, 16531),

Gene: Solid_15 Start: 11283, Stop: 12224, Start Num: 60
Candidate Starts for Solid_15:
(54, 11268), (Start: 57 @11274 has 8 MA's), (Start: 58 @11277 has 12 MA's), (Start: 60 @11283 has 44 MA's), (78, 11316), (Start: 82 @11322 has 2 MA's), (Start: 88 @11331 has 25 MA's), (Start: 89 @11334 has 3 MA's), (108, 11361), (112, 11370), (125, 11400), (126, 11403), (127, 11406), (133, 11418), (136, 11427), (139, 11433), (158, 11472), (168, 11502), (173, 11517), (178, 11529), (180, 11532), (181, 11535), (205, 11583), (218, 11601), (231, 11637), (235, 11643), (251, 11670), (252, 11673), (262, 11694), (274, 11721), (288, 11745), (293, 11754), (329, 11829), (348, 11871), (349, 11874), (350, 11877), (354, 11889), (370, 11928), (384, 11943), (393, 11964), (402, 11979), (411, 11994), (413, 12000), (426, 12018), (449, 12072), (450, 12075), (453, 12093), (454, 12096), (474, 12153), (477, 12165), (482, 12174), (488, 12189), (491, 12195), (501, 12210),

Gene: Sparky_15 Start: 15127, Stop: 16143, Start Num: 57
Candidate Starts for Sparky_15:
(Start: 57 @15127 has 8 MA's), (Start: 61 @15136 has 1 MA's), (78, 15166), (120, 15235), (128, 15256), (178, 15376), (182, 15385), (225, 15472), (256, 15538), (301, 15625), (303, 15631), (343, 15715), (349, 15739), (350, 15742), (452, 15940), (457, 15952), (469, 15991), (487, 16018), (495,

16033), (517, 16123),

Gene: SpeedDemon_310 Start: 28038, Stop: 28922, Start Num: 56
Candidate Starts for SpeedDemon_310:
(Start: 56 @28038 has 19 MA's), (Start: 67 @28059 has 9 MA's), (107, 28113), (139, 28185), (144, 28194), (208, 28314), (237, 28365), (245, 28374), (262, 28410), (304, 28482), (306, 28488), (371, 28617), (408, 28665), (448, 28740), (462, 28788),

Gene: Splinter_21 Start: 15645, Stop: 16475, Start Num: 101
Candidate Starts for Splinter_21:
(Start: 99 @15642 has 6 MA's), (Start: 101 @15645 has 5 MA's), (116, 15660), (132, 15699), (144, 15720), (146, 15723), (212, 15867), (304, 16053), (336, 16122), (388, 16224), (434, 16305), (435, 16308), (464, 16389), (466, 16395), (470, 16407), (472, 16410), (481, 16434),

Gene: Spock_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Spock_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Spooks_61 Start: 39025, Stop: 40023, Start Num: 37
Candidate Starts for Spooks_61:
(Start: 37 @39025 has 5 MA's), (41, 39037), (91, 39118), (127, 39193), (139, 39220), (175, 39307), (190, 39346), (257, 39466), (292, 39535), (309, 39571), (349, 39631), (355, 39649), (357, 39652), (432, 39808), (451, 39859), (483, 39955),

Gene: Sprinklemunch_17 Start: 15003, Stop: 16091, Start Num: 31
Candidate Starts for Sprinklemunch_17:
(31, 15003), (Start: 44 @15030 has 18 MA's), (107, 15123), (126, 15165), (149, 15213), (222, 15381), (230, 15405), (233, 15411), (272, 15483), (277, 15492), (279, 15495), (351, 15645), (363, 15672), (377, 15714), (404, 15762), (464, 15912), (480, 15954), (499, 15987), (510, 16017), (511, 16023), (515, 16059), (516, 16062),

Gene: StarStruck_41 Start: 29510, Stop: 30433, Start Num: 63
Candidate Starts for StarStruck_41:
(Start: 63 @29510 has 28 MA's), (115, 29597), (Start: 131 @29633 has 1 MA's), (149, 29672), (335, 30041), (397, 30185), (460, 30302), (500, 30398), (503, 30404), (507, 30419),

Gene: Stargaze_17 Start: 15800, Stop: 16978, Start Num: 19
Candidate Starts for Stargaze_17:
(Start: 19 @15800 has 250 MA's), (Start: 62 @15944 has 5 MA's), (93, 15995), (126, 16061), (127, 16064), (169, 16163), (170, 16166), (180, 16190), (202, 16235), (207, 16241), (309, 16430), (339, 16490), (376, 16598), (380, 16610), (408, 16655), (431, 16697), (499, 16871), (502, 16874), (507, 16892), (513, 16934), (514, 16940),

Gene: Stellammi_14 Start: 12723, Stop: 13808, Start Num: 43
Candidate Starts for Stellammi_14:
(36, 12708), (Start: 43 @12723 has 1 MA's), (104, 12831), (112, 12843), (125, 12873), (126, 12876), (136, 12900), (138, 12903), (149, 12924), (150, 12927), (176, 12996), (178, 13002), (210, 13080), (213, 13083), (245, 13137), (260, 13167), (267, 13179), (297, 13239), (304, 13251), (307, 13260), (342, 13332), (348, 13353), (349, 13356), (357, 13377), (359, 13383), (374, 13428), (416, 13503), (431, 13527), (432, 13530), (433, 13533), (445, 13560), (458, 13602), (459, 13605), (463, 13620), (467, 13632), (468, 13635), (477, 13659), (480, 13665), (507, 13722), (510, 13731), (511, 13737),

(515, 13773), (520, 13794),

Gene: Stickynote_32 Start: 27883, Stop: 28749, Start Num: 56
Candidate Starts for Stickynote_32:
(Start: 56 @27883 has 19 MA's), (68, 27907), (96, 27952), (125, 28012), (142, 28051), (181, 28147), (266, 28309), (283, 28342), (335, 28417), (344, 28441), (410, 28516), (443, 28582), (460, 28618), (492, 28702),

Gene: Stinson_22 Start: 15984, Stop: 17120, Start Num: 19
Candidate Starts for Stinson_22:
(Start: 19 @15984 has 250 MA's), (50, 16101), (118, 16212), (126, 16233), (138, 16260), (180, 16362), (262, 16515), (305, 16596), (342, 16671), (346, 16686), (408, 16797), (431, 16839), (463, 16932), (471, 16956), (511, 17049), (516, 17088), (520, 17106),

Gene: Stormborn_15 Start: 11299, Stop: 12246, Start Num: 60
Candidate Starts for Stormborn_15:
(Start: 57 @11290 has 8 MA's), (Start: 58 @11293 has 12 MA's), (Start: 60 @11299 has 44 MA's), (78, 11332), (Start: 89 @11350 has 3 MA's), (91, 11353), (Start: 95 @11359 has 9 MA's), (108, 11383), (112, 11392), (125, 11422), (126, 11425), (127, 11428), (133, 11440), (136, 11449), (139, 11455), (158, 11494), (168, 11524), (173, 11539), (176, 11545), (181, 11557), (205, 11605), (218, 11623), (231, 11659), (235, 11665), (251, 11692), (262, 11716), (274, 11743), (289, 11770), (293, 11776), (321, 11839), (329, 11851), (348, 11893), (349, 11896), (350, 11899), (370, 11950), (384, 11965), (388, 11974), (393, 11986), (402, 12001), (413, 12022), (449, 12094), (450, 12097), (453, 12115), (454, 12118), (474, 12175), (477, 12187), (482, 12196), (488, 12211), (491, 12217), (501, 12232),

Gene: Strobilo_18 Start: 13892, Stop: 15019, Start Num: 21
Candidate Starts for Strobilo_18:
(Start: 21 @13892 has 36 MA's), (23, 13901), (50, 14003), (107, 14093), (126, 14135), (127, 14138), (138, 14162), (178, 14261), (210, 14324), (229, 14363), (262, 14417), (297, 14483), (304, 14495), (325, 14546), (340, 14570), (371, 14648), (389, 14666), (408, 14696), (412, 14705), (431, 14738), (432, 14741), (471, 14855), (507, 14933), (511, 14948), (516, 14987), (520, 15005),

Gene: SuMoo_15 Start: 12068, Stop: 12934, Start Num: 83
Candidate Starts for SuMoo_15:
(Start: 83 @12068 has 18 MA's), (127, 12152), (140, 12182), (173, 12260), (178, 12272), (181, 12278), (204, 12332), (351, 12581), (459, 12794), (483, 12866),

Gene: Success_62 Start: 38159, Stop: 39157, Start Num: 37
Candidate Starts for Success_62:
(Start: 37 @38159 has 5 MA's), (41, 38171), (91, 38252), (127, 38327), (139, 38354), (175, 38441), (224, 38540), (257, 38600), (292, 38669), (309, 38705), (349, 38765), (355, 38783), (357, 38786), (432, 38942), (451, 38993), (483, 39089), (484, 39092),

Gene: Suerte_17 Start: 15987, Stop: 16814, Start Num: 103
Candidate Starts for Suerte_17:
(Start: 103 @15987 has 37 MA's), (138, 16062), (166, 16125), (175, 16149), (190, 16188), (193, 16194), (219, 16233), (241, 16266), (255, 16287), (271, 16320), (272, 16323), (275, 16326), (296, 16368), (311, 16398), (315, 16407), (353, 16482), (388, 16557), (436, 16647),

Gene: Sukkupi_42 Start: 28532, Stop: 29452, Start Num: 67
Candidate Starts for Sukkupi_42:
(Start: 67 @28532 has 9 MA's), (115, 28613), (134, 28658), (164, 28727), (246, 28895), (291, 28979), (314, 29030), (337, 29063), (433, 29261), (439, 29279), (460, 29321), (496, 29411), (500, 29417),

(507, 29438),

Gene: Sulley_22 Start: 15984, Stop: 17120, Start Num: 19
Candidate Starts for Sulley_22:
(Start: 19 @15984 has 250 MA's), (50, 16101), (107, 16191), (118, 16212), (126, 16233), (138, 16260), (262, 16515), (305, 16596), (342, 16671), (346, 16686), (408, 16797), (431, 16839), (463, 16932), (471, 16956), (511, 17049), (516, 17088), (520, 17106),

Gene: Sunflower1121_20 Start: 15087, Stop: 16226, Start Num: 19
Candidate Starts for Sunflower1121_20:
(Start: 19 @15087 has 250 MA's), (50, 15207), (107, 15297), (138, 15366), (229, 15567), (305, 15702), (306, 15705), (340, 15774), (346, 15792), (369, 15852), (389, 15873), (408, 15903), (431, 15945), (432, 15948), (433, 15951), (463, 16038), (471, 16062), (507, 16140), (511, 16155), (516, 16194), (520, 16212),

Gene: SuperHands_16 Start: 14001, Stop: 14867, Start Num: 83
Candidate Starts for SuperHands_16:
(Start: 83 @14001 has 18 MA's), (140, 14115), (177, 14202), (178, 14205), (181, 14211), (232, 14313), (247, 14328), (278, 14379), (289, 14400), (351, 14514), (437, 14673), (480, 14793), (483, 14799), (498, 14829),

Gene: SuperSulley_41 Start: 29704, Stop: 30621, Start Num: 64
Candidate Starts for SuperSulley_41:
(Start: 64 @29704 has 6 MA's), (115, 29785), (Start: 131 @29821 has 1 MA's), (168, 29911), (190, 29968), (314, 30202), (335, 30229), (353, 30280), (397, 30373), (460, 30490), (500, 30586), (503, 30592), (507, 30607),

Gene: Supernova_15 Start: 11301, Stop: 12242, Start Num: 60
Candidate Starts for Supernova_15:
(51, 11283), (Start: 60 @11301 has 44 MA's), (78, 11334), (Start: 82 @11340 has 2 MA's), (Start: 89 @11352 has 3 MA's), (108, 11379), (112, 11388), (124, 11415), (125, 11418), (126, 11421), (127, 11424), (133, 11436), (136, 11445), (158, 11490), (168, 11520), (173, 11535), (178, 11547), (180, 11550), (181, 11553), (190, 11577), (205, 11601), (218, 11619), (231, 11655), (235, 11661), (251, 11688), (262, 11712), (269, 11730), (274, 11739), (289, 11766), (293, 11772), (321, 11835), (348, 11889), (349, 11892), (350, 11895), (354, 11907), (370, 11946), (384, 11961), (393, 11982), (402, 11997), (411, 12012), (413, 12018), (449, 12090), (450, 12093), (453, 12111), (454, 12114), (459, 12123), (474, 12171), (477, 12183), (482, 12192), (488, 12207), (491, 12213), (501, 12228),

Gene: Suscepit_18 Start: 16949, Stop: 17776, Start Num: 103
Candidate Starts for Suscepit_18:
(Start: 103 @16949 has 37 MA's), (127, 17003), (140, 17030), (188, 17144), (190, 17150), (197, 17165), (275, 17288), (296, 17330), (302, 17339), (311, 17360), (353, 17444), (388, 17519), (465, 17663), (476, 17696),

Gene: SushiChef_19 Start: 16940, Stop: 17767, Start Num: 103
Candidate Starts for SushiChef_19:
(Start: 103 @16940 has 37 MA's), (138, 17015), (188, 17135), (190, 17141), (234, 17207), (241, 17219), (272, 17276), (278, 17285), (296, 17321), (302, 17330), (311, 17351), (353, 17435), (388, 17510), (398, 17531), (465, 17654), (476, 17687),

Gene: SussRoloMann_21 Start: 16368, Stop: 17354, Start Num: 93
Candidate Starts for SussRoloMann_21:

(Start: 44 @16293 has 18 MA's), (74, 16338), (93, 16368), (149, 16476), (212, 16626), (233, 16674), (279, 16758), (284, 16767), (306, 16809), (380, 16986), (399, 17019), (418, 17055), (499, 17250), (515, 17322), (516, 17325),

Gene: Sweets_17 Start: 15472, Stop: 16644, Start Num: 19
Candidate Starts for Sweets_17:
(5, 15139), (Start: 19 @15472 has 250 MA's), (50, 15592), (Start: 62 @15610 has 5 MA's), (Start: 89 @15655 has 3 MA's), (93, 15661), (125, 15724), (140, 15760), (169, 15829), (170, 15832), (178, 15853), (207, 15907), (229, 15952), (251, 15982), (304, 16084), (309, 16096), (314, 16108), (320, 16126), (389, 16291), (408, 16321), (418, 16339), (431, 16363), (473, 16483), (511, 16573), (514, 16606),

Gene: Syra333_21 Start: 15182, Stop: 16321, Start Num: 19
Candidate Starts for Syra333_21:
(Start: 19 @15182 has 250 MA's), (50, 15302), (107, 15392), (138, 15461), (229, 15662), (262, 15716), (340, 15869), (346, 15887), (389, 15968), (412, 16007), (431, 16040), (463, 16133), (471, 16157), (507, 16235), (511, 16250), (516, 16289), (520, 16307),

Gene: TBond007_21 Start: 16221, Stop: 17357, Start Num: 19
Candidate Starts for TBond007_21:
(Start: 19 @16221 has 250 MA's), (50, 16344), (Start: 89 @16407 has 3 MA's), (93, 16413), (112, 16443), (126, 16476), (170, 16581), (178, 16602), (181, 16608), (210, 16665), (251, 16734), (297, 16821), (314, 16857), (389, 17004), (408, 17034), (412, 17043), (431, 17076), (432, 17079), (433, 17082), (463, 17169), (503, 17256), (514, 17319), (516, 17325),

Gene: TClif_21 Start: 15218, Stop: 16354, Start Num: 19
Candidate Starts for TClif_21:
(Start: 19 @15218 has 250 MA's), (50, 15335), (Start: 89 @15398 has 3 MA's), (138, 15494), (178, 15593), (180, 15596), (229, 15695), (340, 15902), (342, 15905), (371, 15983), (431, 16073), (433, 16079), (463, 16166), (511, 16283), (513, 16310), (516, 16322), (520, 16340),

Gene: TG1_13 Start: 10453, Stop: 11319, Start Num: 95
Candidate Starts for TG1_13:
(59, 10393), (Start: 95 @10453 has 9 MA's), (115, 10492), (136, 10543), (145, 10561), (161, 10600), (168, 10621), (248, 10783), (250, 10786), (283, 10849), (309, 10903), (313, 10912), (333, 10951), (346, 10963), (347, 10966), (425, 11119), (438, 11137), (450, 11158),

Gene: TM4_18 Start: 13970, Stop: 15097, Start Num: 21
Candidate Starts for TM4_18:
(Start: 21 @13970 has 36 MA's), (23, 13979), (50, 14081), (107, 14171), (126, 14213), (127, 14216), (138, 14240), (178, 14339), (210, 14402), (229, 14441), (262, 14495), (297, 14561), (304, 14573), (325, 14624), (340, 14648), (371, 14726), (389, 14744), (408, 14774), (431, 14816), (432, 14819), (471, 14933), (507, 15011), (511, 15026), (516, 15065), (520, 15083),

Gene: TPA4_18 Start: 16629, Stop: 17726, Start Num: 25
Candidate Starts for TPA4_18:
(6, 16287), (Start: 25 @16629 has 1 MA's), (Start: 62 @16710 has 5 MA's), (Start: 89 @16755 has 3 MA's), (195, 16986), (262, 17121), (302, 17193), (304, 17199), (319, 17238), (408, 17400), (429, 17433), (458, 17511), (507, 17637), (514, 17685), (516, 17691),

Gene: TZGordon_23 Start: 15781, Stop: 16614, Start Num: 99
Candidate Starts for TZGordon_23:

(Start: 99 @15781 has 6 MA's), (Start: 101 @15784 has 5 MA's), (116, 15799), (132, 15838), (144, 15859), (146, 15862), (212, 16006), (304, 16192), (347, 16279), (388, 16363), (434, 16444), (464, 16528), (466, 16534), (470, 16546), (472, 16549), (481, 16573),

Gene: Tachez_22 Start: 15980, Stop: 17116, Start Num: 19
Candidate Starts for Tachez_22:
(Start: 19 @15980 has 250 MA's), (50, 16097), (107, 16187), (118, 16208), (126, 16229), (138, 16256), (262, 16511), (305, 16592), (342, 16667), (346, 16682), (408, 16793), (431, 16835), (463, 16928), (471, 16952), (511, 17045), (516, 17084), (520, 17102),

Gene: Taheera_17 Start: 15491, Stop: 16666, Start Num: 19
Candidate Starts for Taheera_17:
(4, 15095), (5, 15155), (Start: 19 @15491 has 250 MA's), (50, 15614), (Start: 62 @15632 has 5 MA's), (Start: 89 @15677 has 3 MA's), (93, 15683), (125, 15746), (140, 15782), (169, 15851), (170, 15854), (178, 15875), (207, 15929), (251, 16004), (304, 16106), (309, 16118), (389, 16313), (408, 16343), (418, 16361), (431, 16385), (466, 16487), (473, 16505), (511, 16595), (514, 16628),

Gene: TaiwanKao_23 Start: 15991, Stop: 17127, Start Num: 19
Candidate Starts for TaiwanKao_23:
(Start: 19 @15991 has 250 MA's), (50, 16108), (107, 16198), (118, 16219), (126, 16240), (138, 16267), (262, 16522), (305, 16603), (342, 16678), (346, 16693), (408, 16804), (431, 16846), (463, 16939), (467, 16951), (471, 16963), (511, 17056), (516, 17095), (520, 17113),

Gene: Taquito_21 Start: 17109, Stop: 18242, Start Num: 19
Candidate Starts for Taquito_21:
(Start: 19 @17109 has 250 MA's), (23, 17127), (35, 17199), (50, 17229), (107, 17319), (126, 17361), (136, 17385), (180, 17490), (262, 17643), (302, 17712), (304, 17718), (371, 17871), (389, 17889), (408, 17919), (431, 17961), (432, 17964), (507, 18156), (511, 18171), (516, 18210), (520, 18228),

Gene: Tayonia_18 Start: 16949, Stop: 17776, Start Num: 103
Candidate Starts for Tayonia_18:
(Start: 103 @16949 has 37 MA's), (127, 17003), (140, 17030), (188, 17144), (190, 17150), (197, 17165), (275, 17288), (296, 17330), (302, 17339), (311, 17360), (353, 17444), (388, 17519), (465, 17663), (476, 17696),

Gene: Tedro_30 Start: 17259, Stop: 18149, Start Num: 84
Candidate Starts for Tedro_30:
(Start: 84 @17259 has 37 MA's), (239, 17583), (253, 17607), (271, 17640), (353, 17796), (386, 17862), (444, 17970), (487, 18090), (508, 18141), (510, 18144),

Gene: Teejan_18 Start: 15554, Stop: 16696, Start Num: 19
Candidate Starts for Teejan_18:
(Start: 19 @15554 has 250 MA's), (50, 15677), (107, 15767), (138, 15836), (178, 15935), (180, 15938), (229, 16037), (305, 16172), (408, 16373), (431, 16415), (432, 16418), (463, 16508), (471, 16532), (511, 16625), (516, 16664), (520, 16682),

Gene: Terralys_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Terralys_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Terror_17 Start: 15491, Stop: 16666, Start Num: 19
Candidate Starts for Terror_17:
(4, 15095), (5, 15155), (Start: 19 @15491 has 250 MA's), (50, 15614), (Start: 62 @15632 has 5 MA's), (Start: 89 @15677 has 3 MA's), (93, 15683), (125, 15746), (140, 15782), (169, 15851), (170, 15854), (178, 15875), (207, 15929), (251, 16004), (304, 16106), (309, 16118), (389, 16313), (408, 16343), (418, 16361), (431, 16385), (466, 16487), (473, 16505), (511, 16595), (514, 16628),

Gene: Tesla_48 Start: 26061, Stop: 27023, Start Num: 77
Candidate Starts for Tesla_48:
(Start: 77 @26061 has 20 MA's), (147, 26193), (157, 26217), (161, 26226), (163, 26232), (166, 26241), (175, 26265), (178, 26274), (184, 26286), (251, 26412), (294, 26493), (301, 26508), (303, 26514), (349, 26622), (422, 26748), (426, 26754), (453, 26829), (486, 26904), (489, 26910), (497, 26922), (499, 26925), (518, 27012), (520, 27015), (521, 27018),

Gene: ThankyouJordi_17 Start: 16982, Stop: 17809, Start Num: 103
Candidate Starts for ThankyouJordi_17:
(12, 16682), (Start: 103 @16982 has 37 MA's), (188, 17177), (190, 17183), (219, 17228), (241, 17261), (254, 17279), (278, 17327), (296, 17363), (302, 17372), (311, 17393), (314, 17399), (353, 17477), (388, 17552), (476, 17729),

Gene: Thimann_19 Start: 16471, Stop: 17298, Start Num: 103
Candidate Starts for Thimann_19:
(Start: 103 @16471 has 37 MA's), (138, 16546), (166, 16609), (175, 16633), (190, 16672), (193, 16678), (219, 16717), (241, 16750), (255, 16771), (271, 16804), (272, 16807), (275, 16810), (296, 16852), (311, 16882), (315, 16891), (353, 16966), (388, 17041), (398, 17062), (436, 17131),

Gene: Thyatira_20 Start: 16323, Stop: 17453, Start Num: 21
Candidate Starts for Thyatira_20:
(Start: 21 @16323 has 36 MA's), (126, 16566), (138, 16593), (178, 16692), (229, 16794), (262, 16848), (280, 16878), (297, 16914), (299, 16917), (304, 16926), (340, 17001), (342, 17004), (353, 17040), (371, 17082), (389, 17100), (391, 17106), (408, 17130), (409, 17133), (412, 17139), (431, 17172), (511, 17382), (516, 17421), (520, 17439),

Gene: Tierra_21 Start: 15908, Stop: 17047, Start Num: 19
Candidate Starts for Tierra_21:
(Start: 19 @15908 has 250 MA's), (50, 16028), (107, 16118), (138, 16187), (229, 16388), (346, 16613), (369, 16673), (389, 16694), (431, 16766), (432, 16769), (433, 16772), (463, 16859), (471, 16883), (507, 16961), (511, 16976), (516, 17015), (520, 17033),

Gene: Tiggy93_30 Start: 17792, Stop: 18682, Start Num: 84
Candidate Starts for Tiggy93_30:
(Start: 84 @17792 has 37 MA's), (239, 18116), (253, 18140), (271, 18173), (353, 18329), (386, 18395), (444, 18503), (487, 18623), (508, 18674), (510, 18677),

Gene: Tigress9_21 Start: 15170, Stop: 16309, Start Num: 19
Candidate Starts for Tigress9_21:
(Start: 19 @15170 has 250 MA's), (50, 15290), (107, 15380), (138, 15449), (229, 15650), (305, 15785), (306, 15788), (346, 15875), (369, 15935), (389, 15956), (408, 15986), (431, 16028), (432, 16031), (433, 16034), (463, 16121), (471, 16145), (507, 16223), (511, 16238), (516, 16277), (520, 16295),

Gene: TimTam_18 Start: 16940, Stop: 17767, Start Num: 103
Candidate Starts for TimTam_18:

(Start: 103 @16940 has 37 MA's), (138, 17015), (188, 17135), (190, 17141), (234, 17207), (241, 17219), (272, 17276), (278, 17285), (296, 17321), (302, 17330), (311, 17351), (353, 17435), (388, 17510), (398, 17531), (465, 17654), (476, 17687),

Gene: TinaBug_17 Start: 15472, Stop: 16644, Start Num: 19
Candidate Starts for TinaBug_17:
(5, 15139), (Start: 19 @15472 has 250 MA's), (50, 15592), (Start: 62 @15610 has 5 MA's), (Start: 89 @15655 has 3 MA's), (93, 15661), (125, 15724), (140, 15760), (169, 15829), (170, 15832), (178, 15853), (207, 15907), (229, 15952), (251, 15982), (304, 16084), (309, 16096), (314, 16108), (320, 16126), (389, 16291), (408, 16321), (418, 16339), (431, 16363), (473, 16483), (511, 16573), (514, 16606),

Gene: TinaLin_24 Start: 16616, Stop: 17446, Start Num: 101
Candidate Starts for TinaLin_24:
(Start: 99 @16613 has 6 MA's), (Start: 101 @16616 has 5 MA's), (116, 16631), (129, 16661), (132, 16670), (146, 16694), (192, 16808), (196, 16814), (203, 16826), (212, 16838), (261, 16937), (304, 17024), (314, 17048), (354, 17132), (365, 17156), (366, 17159), (388, 17195), (434, 17276), (459, 17342), (466, 17366), (470, 17378), (472, 17381),

Gene: TingHuaYa_22 Start: 15317, Stop: 16453, Start Num: 19
Candidate Starts for TingHuaYa_22:
(Start: 19 @15317 has 250 MA's), (50, 15434), (118, 15545), (138, 15593), (180, 15695), (262, 15848), (305, 15929), (342, 16004), (346, 16019), (408, 16130), (431, 16172), (463, 16265), (471, 16289), (511, 16382), (516, 16421), (520, 16439),

Gene: TiniBug_22 Start: 15962, Stop: 17098, Start Num: 19
Candidate Starts for TiniBug_22:
(Start: 19 @15962 has 250 MA's), (50, 16079), (107, 16169), (118, 16190), (126, 16211), (138, 16238), (229, 16439), (262, 16493), (267, 16499), (305, 16574), (342, 16649), (346, 16664), (431, 16817), (463, 16910), (471, 16934), (511, 17027), (516, 17066), (520, 17084),

Gene: TinyDot_18 Start: 14464, Stop: 15303, Start Num: 105
Candidate Starts for TinyDot_18:
(Start: 105 @14464 has 1 MA's), (115, 14476), (162, 14572), (190, 14647), (218, 14695), (223, 14704), (255, 14761), (275, 14800), (278, 14806), (296, 14839), (395, 15043), (503, 15274),

Gene: Tiri_22 Start: 16023, Stop: 17159, Start Num: 19
Candidate Starts for Tiri_22:
(Start: 19 @16023 has 250 MA's), (50, 16140), (107, 16230), (118, 16251), (126, 16272), (138, 16299), (262, 16554), (305, 16635), (342, 16710), (346, 16725), (408, 16836), (431, 16878), (463, 16971), (471, 16995), (511, 17088), (516, 17127), (520, 17145),

Gene: Toast_18 Start: 15883, Stop: 16743, Start Num: 85
Candidate Starts for Toast_18:
(Start: 85 @15883 has 15 MA's), (Start: 98 @15898 has 1 MA's), (114, 15928), (125, 15949), (166, 16039), (199, 16120), (310, 16324), (313, 16327), (410, 16522), (460, 16612), (474, 16654), (496, 16702), (500, 16708),

Gene: TomBrady_17 Start: 15478, Stop: 16650, Start Num: 19
Candidate Starts for TomBrady_17:
(5, 15145), (Start: 19 @15478 has 250 MA's), (50, 15598), (Start: 62 @15616 has 5 MA's), (Start: 89 @15661 has 3 MA's), (93, 15667), (125, 15730), (140, 15766), (169, 15835), (170, 15838), (178, 15859), (207, 15913), (229, 15958), (251, 15988), (304, 16090), (309, 16102), (314, 16114), (320,

16132), (389, 16297), (408, 16327), (418, 16345), (431, 16369), (473, 16489), (511, 16579), (514, 16612),

Gene: Tongui_29 Start: 17294, Stop: 18184, Start Num: 84
Candidate Starts for Tongui_29:
(Start: 84 @17294 has 37 MA's), (200, 17549), (239, 17618), (253, 17642), (271, 17675), (353, 17831), (368, 17864), (444, 18005), (475, 18095), (487, 18125), (508, 18176), (510, 18179),

Gene: Toniann_47 Start: 28657, Stop: 29538, Start Num: 58
Candidate Starts for Toniann_47:
(Start: 58 @28657 has 12 MA's), (Start: 88 @28705 has 25 MA's), (107, 28732), (139, 28804), (167, 28870), (178, 28900), (252, 29008), (304, 29101), (314, 29125), (319, 29140), (371, 29236), (408, 29284), (483, 29464), (502, 29500),

Gene: Topper_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Topper_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Torres_18 Start: 15554, Stop: 16696, Start Num: 19
Candidate Starts for Torres_18:
(Start: 19 @15554 has 250 MA's), (50, 15677), (107, 15767), (138, 15836), (178, 15935), (180, 15938), (229, 16037), (305, 16172), (408, 16373), (431, 16415), (432, 16418), (463, 16508), (471, 16532), (511, 16625), (516, 16664), (520, 16682),

Gene: Towmatter_27 Start: 24381, Stop: 25262, Start Num: 56
Candidate Starts for Towmatter_27:
(Start: 56 @24381 has 19 MA's), (107, 24456), (135, 24519), (139, 24528), (144, 24537), (208, 24657), (245, 24717), (304, 24825), (371, 24960), (408, 25008), (448, 25083), (462, 25131), (479, 25179), (483, 25188),

Gene: Tracker_40 Start: 28657, Stop: 29598, Start Num: 63
Candidate Starts for Tracker_40:
(Start: 63 @28657 has 28 MA's), (115, 28744), (149, 28819), (173, 28885), (190, 28927), (223, 28984), (337, 29197), (347, 29224), (397, 29335), (460, 29467), (500, 29563),

Gene: TreyKay_22 Start: 15985, Stop: 17121, Start Num: 19
Candidate Starts for TreyKay_22:
(Start: 19 @15985 has 250 MA's), (50, 16102), (107, 16192), (118, 16213), (126, 16234), (138, 16261), (262, 16516), (305, 16597), (342, 16672), (346, 16687), (408, 16798), (431, 16840), (463, 16933), (471, 16957), (511, 17050), (516, 17089), (520, 17107),

Gene: TribleTrouble_20 Start: 16264, Stop: 17403, Start Num: 19
Candidate Starts for TribleTrouble_20:
(Start: 19 @16264 has 250 MA's), (50, 16390), (Start: 89 @16453 has 3 MA's), (93, 16459), (112, 16489), (126, 16522), (170, 16627), (178, 16648), (229, 16750), (251, 16780), (276, 16825), (314, 16903), (389, 17050), (408, 17080), (412, 17089), (431, 17122), (432, 17125), (433, 17128), (463, 17215), (503, 17302), (510, 17326), (511, 17332), (514, 17365), (516, 17371),

Gene: Trice_18 Start: 15554, Stop: 16696, Start Num: 19
Candidate Starts for Trice_18:

(Start: 19 @15554 has 250 MA's), (50, 15677), (107, 15767), (138, 15836), (178, 15935), (180, 15938), (229, 16037), (305, 16172), (408, 16373), (431, 16415), (432, 16418), (463, 16508), (471, 16532), (511, 16625), (516, 16664), (520, 16682),

Gene: TruffulaTree_22 Start: 16014, Stop: 17150, Start Num: 19
Candidate Starts for TruffulaTree_22:
(Start: 19 @16014 has 250 MA's), (50, 16131), (107, 16221), (118, 16242), (126, 16263), (138, 16290), (262, 16545), (305, 16626), (342, 16701), (346, 16716), (408, 16827), (431, 16869), (463, 16962), (471, 16986), (511, 17079), (516, 17118), (520, 17136),

Gene: Trumpet_18 Start: 16949, Stop: 17776, Start Num: 103
Candidate Starts for Trumpet_18:
(Start: 103 @16949 has 37 MA's), (127, 17003), (140, 17030), (188, 17144), (190, 17150), (197, 17165), (275, 17288), (296, 17330), (302, 17339), (311, 17360), (353, 17444), (388, 17519), (465, 17663), (476, 17696),

Gene: Turuncu_44 Start: 29978, Stop: 30895, Start Num: 63
Candidate Starts for Turuncu_44:
(Start: 63 @29978 has 28 MA's), (115, 30056), (148, 30128), (178, 30209), (246, 30338), (337, 30509), (410, 30665), (460, 30764), (487, 30839), (500, 30860),

Gene: Tuti_19 Start: 16876, Stop: 17712, Start Num: 97
Candidate Starts for Tuti_19:
(Start: 97 @16876 has 19 MA's), (Start: 103 @16885 has 37 MA's), (123, 16927), (138, 16960), (146, 16975), (166, 17023), (190, 17086), (193, 17092), (219, 17131), (255, 17185), (275, 17224), (296, 17266), (311, 17296), (315, 17305), (353, 17380), (360, 17398), (388, 17455), (436, 17545), (476, 17632),

Gene: Twinkle_19 Start: 18137, Stop: 18964, Start Num: 103
Candidate Starts for Twinkle_19:
(Start: 97 @18128 has 19 MA's), (Start: 103 @18137 has 37 MA's), (123, 18179), (138, 18212), (146, 18227), (166, 18275), (190, 18338), (193, 18344), (219, 18383), (255, 18437), (261, 18452), (275, 18476), (278, 18482), (296, 18518), (311, 18548), (315, 18557), (388, 18707), (436, 18797), (476, 18884),

Gene: Twitch_22 Start: 16051, Stop: 17187, Start Num: 19
Candidate Starts for Twitch_22:
(Start: 19 @16051 has 250 MA's), (50, 16168), (107, 16258), (118, 16279), (126, 16300), (138, 16327), (262, 16582), (305, 16663), (342, 16738), (346, 16753), (408, 16864), (431, 16906), (463, 16999), (471, 17023), (511, 17116), (516, 17155), (520, 17173),

Gene: Typha_23 Start: 18613, Stop: 19611, Start Num: 34
Candidate Starts for Typha_23:
(Start: 34 @18613 has 7 MA's), (75, 18679), (125, 18769), (127, 18775), (150, 18823), (168, 18871), (178, 18898), (194, 18925), (196, 18928), (210, 18949), (240, 19000), (268, 19051), (273, 19060), (288, 19087), (320, 19162), (335, 19186), (391, 19276), (408, 19300), (409, 19303), (431, 19339), (451, 19393), (453, 19402), (467, 19444), (468, 19447), (507, 19528), (510, 19537), (516, 19582),

Gene: Ubuntu_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for Ubuntu_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023),

(416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: UmaThurman_18 Start: 15921, Stop: 16781, Start Num: 88
Candidate Starts for UmaThurman_18:
(Start: 83 @15915 has 18 MA's), (Start: 88 @15921 has 25 MA's), (166, 16077), (199, 16158), (259, 16257), (313, 16365), (351, 16449), (381, 16515), (410, 16560), (460, 16650), (474, 16692),

Gene: Unicorn_21 Start: 15233, Stop: 16372, Start Num: 19
Candidate Starts for Unicorn_21:
(Start: 19 @15233 has 250 MA's), (50, 15353), (107, 15443), (138, 15512), (229, 15713), (262, 15767), (280, 15797), (346, 15938), (369, 15998), (389, 16019), (408, 16049), (431, 16091), (432, 16094), (433, 16097), (463, 16184), (471, 16208), (507, 16286), (511, 16301), (516, 16340), (520, 16358),

Gene: Urkel_22 Start: 15965, Stop: 17101, Start Num: 19
Candidate Starts for Urkel_22:
(Start: 19 @15965 has 250 MA's), (50, 16082), (107, 16172), (118, 16193), (126, 16214), (138, 16241), (229, 16442), (262, 16496), (267, 16502), (305, 16577), (342, 16652), (346, 16667), (431, 16820), (463, 16913), (471, 16937), (511, 17030), (516, 17069), (520, 17087),

Gene: Utz_18 Start: 15788, Stop: 16648, Start Num: 88
Candidate Starts for Utz_18:
(Start: 83 @15782 has 18 MA's), (Start: 88 @15788 has 25 MA's), (166, 15944), (199, 16025), (259, 16124), (313, 16232), (351, 16316), (385, 16388), (460, 16517), (468, 16544), (474, 16559),

Gene: UtzChips_15 Start: 12272, Stop: 13138, Start Num: 83
Candidate Starts for UtzChips_15:
(Start: 83 @12272 has 18 MA's), (Start: 97 @12293 has 19 MA's), (148, 12398), (178, 12476), (296, 12683), (351, 12785), (434, 12935), (462, 13010), (483, 13070), (505, 13121),

Gene: ValentiniPuff_68 Start: 36653, Stop: 37528, Start Num: 70
Candidate Starts for ValentiniPuff_68:
(Start: 70 @36653 has 8 MA's), (86, 36680), (92, 36689), (127, 36761), (237, 36974), (240, 36977), (256, 37004), (317, 37136), (384, 37262), (431, 37343), (471, 37457),

Gene: Validus_22 Start: 15308, Stop: 16447, Start Num: 19
Candidate Starts for Validus_22:
(Start: 19 @15308 has 250 MA's), (50, 15428), (107, 15518), (138, 15587), (178, 15686), (180, 15689), (229, 15788), (262, 15842), (305, 15923), (342, 15998), (346, 16013), (408, 16124), (431, 16166), (432, 16169), (463, 16259), (502, 16343), (507, 16361), (511, 16376), (516, 16415), (520, 16433),

Gene: Vash_13 Start: 10476, Stop: 11342, Start Num: 95
Candidate Starts for Vash_13:
(79, 10455), (Start: 95 @10476 has 9 MA's), (100, 10485), (118, 10521), (137, 10569), (176, 10665), (181, 10677), (209, 10737), (250, 10809), (255, 10818), (283, 10872), (302, 10908), (313, 10935), (467, 11238), (478, 11271),

Gene: VasuNzinga_49 Start: 25618, Stop: 26580, Start Num: 77
Candidate Starts for VasuNzinga_49:
(Start: 77 @25618 has 20 MA's), (147, 25750), (157, 25774), (161, 25783), (163, 25789), (166, 25798), (175, 25822), (178, 25831), (184, 25843), (251, 25969), (294, 26050), (301, 26065), (303, 26071), (349, 26179), (422, 26305), (426, 26311), (486, 26461), (489, 26467), (497, 26479), (499, 26482), (518, 26569), (520, 26572), (521, 26575),

Gene: Veliki_22 Start: 16054, Stop: 17190, Start Num: 19
Candidate Starts for Veliki_22:
(Start: 19 @16054 has 250 MA's), (50, 16171), (107, 16261), (118, 16282), (126, 16303), (138, 16330), (262, 16585), (305, 16666), (342, 16741), (346, 16756), (408, 16867), (431, 16909), (463, 17002), (471, 17026), (511, 17119), (516, 17158), (520, 17176),

Gene: Vendetta_21 Start: 15645, Stop: 16475, Start Num: 101
Candidate Starts for Vendetta_21:
(Start: 99 @15642 has 6 MA's), (Start: 101 @15645 has 5 MA's), (116, 15660), (132, 15699), (144, 15720), (146, 15723), (212, 15867), (304, 16053), (336, 16122), (388, 16224), (434, 16305), (435, 16308), (464, 16389), (466, 16395), (470, 16407), (472, 16410), (481, 16434),

Gene: ViviJ_19 Start: 16180, Stop: 17310, Start Num: 21
Candidate Starts for ViviJ_19:
(Start: 21 @16180 has 36 MA's), (Start: 89 @16354 has 3 MA's), (125, 16420), (126, 16423), (138, 16450), (178, 16549), (229, 16651), (262, 16705), (280, 16735), (297, 16771), (299, 16774), (304, 16783), (340, 16858), (342, 16861), (353, 16897), (371, 16939), (389, 16957), (391, 16963), (408, 16987), (409, 16990), (431, 17029), (511, 17239), (516, 17278), (520, 17296),

Gene: Vordorf_21 Start: 17520, Stop: 18380, Start Num: 57
Candidate Starts for Vordorf_21:
(Start: 57 @17520 has 8 MA's), (Start: 61 @17526 has 1 MA's), (Start: 82 @17562 has 2 MA's), (Start: 83 @17565 has 18 MA's), (166, 17733), (171, 17748), (176, 17760), (243, 17856), (245, 17859), (256, 17880), (262, 17895), (330, 18024), (390, 18120), (422, 18165), (432, 18186), (448, 18216), (477, 18306),

Gene: Walrus_19 Start: 16016, Stop: 16876, Start Num: 88
Candidate Starts for Walrus_19:
(Start: 83 @16010 has 18 MA's), (Start: 88 @16016 has 25 MA's), (166, 16172), (199, 16253), (259, 16352), (313, 16460), (351, 16544), (381, 16610), (410, 16655), (460, 16745), (474, 16787),

Gene: Waterfoul_20 Start: 16344, Stop: 17474, Start Num: 21
Candidate Starts for Waterfoul_20:
(Start: 21 @16344 has 36 MA's), (126, 16587), (138, 16614), (178, 16713), (229, 16815), (262, 16869), (280, 16899), (297, 16935), (299, 16938), (304, 16947), (340, 17022), (342, 17025), (353, 17061), (371, 17103), (389, 17121), (391, 17127), (408, 17151), (409, 17154), (412, 17160), (431, 17193), (511, 17403), (516, 17442), (520, 17460),

Gene: Webster2_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for Webster2_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: Weirdo19_18 Start: 14977, Stop: 16083, Start Num: 32
Candidate Starts for Weirdo19_18:
(7, 14650), (8, 14686), (Start: 32 @14977 has 1 MA's), (Start: 39 @14989 has 24 MA's), (118, 15118), (136, 15163), (138, 15166), (140, 15172), (149, 15187), (183, 15271), (222, 15355), (233, 15385), (236, 15391), (255, 15421), (270, 15448), (272, 15454), (277, 15463), (301, 15508), (308, 15526), (312, 15535), (345, 15610), (351, 15628), (416, 15769), (477, 15937), (499, 15976), (507, 15997),

(510, 16006), (511, 16012), (516, 16051),

Gene: WelcomeAyanna_17 Start: 16982, Stop: 17809, Start Num: 103
Candidate Starts for WelcomeAyanna_17:
(12, 16682), (Start: 103 @16982 has 37 MA's), (188, 17177), (190, 17183), (219, 17228), (241, 17261), (254, 17279), (278, 17327), (296, 17363), (302, 17372), (311, 17393), (314, 17399), (353, 17477), (388, 17552), (476, 17729),

Gene: Wendigo_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Wendigo_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: WheatThin_21 Start: 16293, Stop: 17354, Start Num: 44
Candidate Starts for WheatThin_21:
(Start: 44 @16293 has 18 MA's), (74, 16338), (93, 16368), (149, 16476), (212, 16626), (233, 16674), (279, 16758), (284, 16767), (306, 16809), (380, 16986), (399, 17019), (418, 17055), (499, 17250), (515, 17322), (516, 17325),

Gene: Wheezy_40 Start: 28862, Stop: 29803, Start Num: 63
Candidate Starts for Wheezy_40:
(Start: 63 @28862 has 28 MA's), (115, 28949), (149, 29024), (173, 29090), (190, 29132), (223, 29189), (337, 29402), (347, 29429), (397, 29540), (460, 29672), (500, 29768),

Gene: Whitty_18 Start: 16018, Stop: 16983, Start Num: 70
Candidate Starts for Whitty_18:
(Start: 70 @16018 has 8 MA's), (Start: 88 @16045 has 25 MA's), (Start: 98 @16063 has 1 MA's), (181, 16240), (182, 16243), (225, 16318), (256, 16384), (269, 16411), (298, 16468), (303, 16477), (424, 16714), (434, 16738), (469, 16837), (477, 16858), (487, 16879), (506, 16918), (509, 16927),

Gene: WhoseManz_42 Start: 26578, Stop: 27498, Start Num: 67
Candidate Starts for WhoseManz_42:
(Start: 67 @26578 has 9 MA's), (115, 26659), (134, 26704), (164, 26773), (223, 26899), (246, 26941), (291, 27025), (314, 27076), (337, 27109), (397, 27247), (433, 27307), (439, 27325), (460, 27367), (496, 27457), (500, 27463), (507, 27484),

Gene: William_18 Start: 15832, Stop: 16692, Start Num: 85
Candidate Starts for William_18:
(Start: 85 @15832 has 15 MA's), (Start: 98 @15847 has 1 MA's), (114, 15877), (125, 15898), (166, 15988), (199, 16069), (310, 16273), (313, 16276), (410, 16471), (460, 16561), (474, 16603), (496, 16651), (500, 16657),

Gene: WilliamBoone_47 Start: 28015, Stop: 28902, Start Num: 56
Candidate Starts for WilliamBoone_47:
(Start: 56 @28015 has 19 MA's), (Start: 58 @28021 has 12 MA's), (Start: 88 @28069 has 25 MA's), (107, 28096), (139, 28168), (148, 28183), (252, 28372), (304, 28465), (314, 28489), (319, 28504), (369, 28597), (371, 28600), (408, 28648), (483, 28828), (502, 28864),

Gene: WinkNick_19 Start: 16489, Stop: 17325, Start Num: 97
Candidate Starts for WinkNick_19:

(Start: 97 @16489 has 19 MA's), (Start: 103 @16498 has 37 MA's), (123, 16540), (138, 16573), (146, 16588), (166, 16636), (190, 16699), (193, 16705), (219, 16744), (255, 16798), (275, 16837), (278, 16843), (296, 16879), (311, 16909), (315, 16918), (388, 17068), (476, 17245),

Gene: WinnieLou_31 Start: 17418, Stop: 18308, Start Num: 84
Candidate Starts for WinnieLou_31:
(Start: 84 @17418 has 37 MA's), (239, 17742), (253, 17766), (271, 17799), (353, 17955), (368, 17988), (386, 18021), (444, 18129), (475, 18219), (487, 18249), (508, 18300), (510, 18303),

Gene: Wintermute_23 Start: 17489, Stop: 18622, Start Num: 19
Candidate Starts for Wintermute_23:
(Start: 19 @17489 has 250 MA's), (23, 17507), (35, 17579), (50, 17609), (107, 17699), (126, 17741), (136, 17765), (180, 17870), (302, 18092), (304, 18098), (369, 18248), (371, 18251), (389, 18269), (408, 18299), (431, 18341), (432, 18344), (451, 18395), (507, 18536), (511, 18551), (516, 18590), (520, 18608),

Gene: Wishmaker_21 Start: 16315, Stop: 17409, Start Num: 39
Candidate Starts for Wishmaker_21:
(Start: 39 @16315 has 24 MA's), (42, 16324), (107, 16420), (112, 16429), (117, 16438), (138, 16489), (140, 16495), (181, 16591), (189, 16609), (222, 16678), (227, 16687), (233, 16708), (236, 16714), (242, 16720), (244, 16723), (279, 16795), (281, 16798), (351, 16954), (373, 17005), (377, 17023), (416, 17095), (422, 17113), (454, 17197), (463, 17224), (464, 17227), (477, 17263), (485, 17281), (507, 17323), (511, 17338), (512, 17341), (514, 17371), (516, 17377),

Gene: Wisp_17 Start: 15506, Stop: 16366, Start Num: 88
Candidate Starts for Wisp_17:
(Start: 83 @15500 has 18 MA's), (Start: 88 @15506 has 25 MA's), (Start: 98 @15521 has 1 MA's), (166, 15662), (199, 15743), (232, 15800), (238, 15809), (259, 15842), (313, 15950), (351, 16034), (381, 16100), (410, 16145), (460, 16235), (474, 16277), (508, 16358),

Gene: Wizzo_15 Start: 11316, Stop: 12257, Start Num: 60
Candidate Starts for Wizzo_15:
(Start: 57 @11307 has 8 MA's), (Start: 58 @11310 has 12 MA's), (Start: 60 @11316 has 44 MA's), (78, 11349), (Start: 82 @11355 has 2 MA's), (Start: 89 @11367 has 3 MA's), (108, 11394), (112, 11403), (125, 11433), (126, 11436), (127, 11439), (158, 11505), (168, 11535), (173, 11550), (178, 11562), (180, 11565), (181, 11568), (190, 11592), (205, 11616), (216, 11631), (218, 11634), (231, 11670), (235, 11676), (251, 11703), (252, 11706), (274, 11754), (288, 11778), (289, 11781), (293, 11787), (321, 11850), (329, 11862), (344, 11892), (348, 11904), (349, 11907), (350, 11910), (370, 11961), (384, 11976), (393, 11997), (402, 12012), (411, 12027), (413, 12033), (449, 12105), (450, 12108), (453, 12126), (454, 12129), (459, 12138), (474, 12186), (477, 12198), (482, 12207), (487, 12219), (488, 12222), (491, 12228), (501, 12243),

Gene: Wocket_19 Start: 15980, Stop: 16840, Start Num: 88
Candidate Starts for Wocket_19:
(Start: 83 @15974 has 18 MA's), (Start: 88 @15980 has 25 MA's), (166, 16136), (313, 16424), (351, 16508), (381, 16574), (385, 16580), (460, 16709), (474, 16751),

Gene: Ximenita_22 Start: 15360, Stop: 16499, Start Num: 19
Candidate Starts for Ximenita_22:
(Start: 19 @15360 has 250 MA's), (50, 15480), (107, 15570), (138, 15639), (229, 15840), (262, 15894), (340, 16047), (346, 16065), (389, 16146), (408, 16176), (412, 16185), (431, 16218), (463, 16311), (471, 16335), (507, 16413), (511, 16428), (516, 16467), (520, 16485),

Gene: Y10_23 Start: 17489, Stop: 18622, Start Num: 19
Candidate Starts for Y10_23:
(Start: 19 @17489 has 250 MA's), (23, 17507), (35, 17579), (50, 17609), (107, 17699), (126, 17741), (136, 17765), (180, 17870), (302, 18092), (304, 18098), (369, 18248), (371, 18251), (389, 18269), (408, 18299), (431, 18341), (432, 18344), (451, 18395), (507, 18536), (511, 18551), (516, 18590), (520, 18608),

Gene: Y2_23 Start: 17489, Stop: 18622, Start Num: 19
Candidate Starts for Y2_23:
(Start: 19 @17489 has 250 MA's), (23, 17507), (35, 17579), (50, 17609), (107, 17699), (126, 17741), (136, 17765), (180, 17870), (302, 18092), (304, 18098), (369, 18248), (371, 18251), (389, 18269), (408, 18299), (431, 18341), (432, 18344), (451, 18395), (507, 18536), (511, 18551), (516, 18590), (520, 18608),

Gene: YangYin_17 Start: 15824, Stop: 17002, Start Num: 19
Candidate Starts for YangYin_17:
(4, 15413), (5, 15473), (Start: 19 @15824 has 250 MA's), (Start: 62 @15968 has 5 MA's), (93, 16019), (126, 16085), (127, 16088), (169, 16187), (170, 16190), (180, 16214), (202, 16259), (207, 16265), (309, 16454), (339, 16514), (376, 16622), (380, 16634), (408, 16679), (431, 16721), (499, 16895), (502, 16898), (507, 16916), (513, 16958), (514, 16964),

Gene: YasnayaPolyana_23 Start: 17490, Stop: 18623, Start Num: 19
Candidate Starts for YasnayaPolyana_23:
(Start: 19 @17490 has 250 MA's), (23, 17508), (35, 17580), (50, 17610), (107, 17700), (126, 17742), (136, 17766), (180, 17871), (302, 18093), (304, 18099), (369, 18249), (371, 18252), (389, 18270), (408, 18300), (431, 18342), (432, 18345), (451, 18396), (507, 18537), (511, 18552), (516, 18591), (520, 18609),

Gene: Yeezy_19 Start: 16295, Stop: 17122, Start Num: 103
Candidate Starts for Yeezy_19:
(Start: 103 @16295 has 37 MA's), (138, 16370), (188, 16490), (190, 16496), (234, 16562), (241, 16574), (272, 16631), (278, 16640), (296, 16676), (302, 16685), (311, 16706), (353, 16790), (388, 16865), (398, 16886), (465, 17009), (476, 17042),

Gene: Yndexa_42 Start: 28532, Stop: 29452, Start Num: 67
Candidate Starts for Yndexa_42:
(Start: 67 @28532 has 9 MA's), (115, 28613), (134, 28658), (164, 28727), (246, 28895), (291, 28979), (314, 29030), (337, 29063), (433, 29261), (439, 29279), (460, 29321), (496, 29411), (500, 29417), (507, 29438),

Gene: YoureAdopted_21 Start: 15987, Stop: 17123, Start Num: 19
Candidate Starts for YoureAdopted_21:
(Start: 19 @15987 has 250 MA's), (50, 16104), (107, 16194), (118, 16215), (126, 16236), (138, 16263), (262, 16518), (305, 16599), (342, 16674), (346, 16689), (408, 16800), (431, 16842), (463, 16935), (471, 16959), (511, 17052), (516, 17091), (520, 17109),

Gene: Yuna_22 Start: 15278, Stop: 16414, Start Num: 19
Candidate Starts for Yuna_22:
(Start: 19 @15278 has 250 MA's), (50, 15395), (Start: 89 @15458 has 3 MA's), (138, 15554), (180, 15656), (229, 15755), (262, 15809), (305, 15890), (371, 16043), (391, 16067), (431, 16133), (432, 16136), (433, 16139), (463, 16226), (507, 16328), (511, 16343), (516, 16382), (520, 16400),

Gene: Yunkel11_22 Start: 15243, Stop: 16379, Start Num: 19

Candidate Starts for Yunkel11_22:
(Start: 19 @15243 has 250 MA's), (50, 15360), (107, 15450), (118, 15471), (138, 15519), (262, 15774), (305, 15855), (342, 15930), (346, 15945), (408, 16056), (431, 16098), (459, 16176), (463, 16191), (471, 16215), (511, 16308), (516, 16347), (520, 16365),

Gene: Yvonnetastic_44 Start: 29619, Stop: 30515, Start Num: 46
Candidate Starts for Yvonnetastic_44:
(Start: 46 @29619 has 3 MA's), (107, 29706), (136, 29772), (144, 29787), (148, 29793), (243, 29964), (273, 30021), (304, 30075), (314, 30099), (364, 30198), (371, 30216), (408, 30264), (422, 30282), (433, 30306), (500, 30474),

Gene: Zabiza_22 Start: 16018, Stop: 17154, Start Num: 19
Candidate Starts for Zabiza_22:
(Start: 19 @16018 has 250 MA's), (50, 16135), (107, 16225), (118, 16246), (126, 16267), (138, 16294), (262, 16549), (305, 16630), (342, 16705), (346, 16720), (408, 16831), (431, 16873), (463, 16966), (471, 16990), (511, 17083), (516, 17122), (520, 17140),

Gene: Zameen_18 Start: 16949, Stop: 17776, Start Num: 103
Candidate Starts for Zameen_18:
(Start: 103 @16949 has 37 MA's), (127, 17003), (140, 17030), (188, 17144), (190, 17150), (197, 17165), (275, 17288), (296, 17330), (302, 17339), (311, 17360), (353, 17444), (388, 17519), (465, 17663), (476, 17696),

Gene: Zarbodnamra_18 Start: 15786, Stop: 16652, Start Num: 83
Candidate Starts for Zarbodnamra_18:
(Start: 83 @15786 has 18 MA's), (Start: 88 @15792 has 25 MA's), (166, 15948), (199, 16029), (259, 16128), (313, 16236), (351, 16320), (460, 16521), (474, 16563),

Gene: Zavala_22 Start: 15992, Stop: 17128, Start Num: 19
Candidate Starts for Zavala_22:
(Start: 19 @15992 has 250 MA's), (50, 16109), (107, 16199), (118, 16220), (126, 16241), (138, 16268), (262, 16523), (305, 16604), (342, 16679), (346, 16694), (408, 16805), (431, 16847), (463, 16940), (471, 16964), (511, 17057), (516, 17096), (520, 17114),

Gene: ZenTime222_18 Start: 16018, Stop: 16983, Start Num: 70
Candidate Starts for ZenTime222_18:
(Start: 70 @16018 has 8 MA's), (Start: 88 @16045 has 25 MA's), (Start: 98 @16063 has 1 MA's), (181, 16240), (182, 16243), (225, 16318), (256, 16384), (269, 16411), (298, 16468), (303, 16477), (424, 16714), (434, 16738), (469, 16837), (477, 16858), (487, 16879), (506, 16918), (509, 16927),

Gene: ZiggyZoo_17 Start: 15583, Stop: 16443, Start Num: 88
Candidate Starts for ZiggyZoo_17:
(Start: 83 @15577 has 18 MA's), (Start: 88 @15583 has 25 MA's), (166, 15739), (199, 15820), (259, 15919), (313, 16027), (351, 16111), (381, 16177), (410, 16222), (460, 16312), (474, 16354),

Gene: Zilla_18 Start: 15810, Stop: 16670, Start Num: 85
Candidate Starts for Zilla_18:
(Start: 85 @15810 has 15 MA's), (Start: 98 @15825 has 1 MA's), (151, 15927), (166, 15966), (199, 16047), (250, 16131), (259, 16146), (313, 16254), (351, 16338), (381, 16404), (385, 16410), (460, 16539), (468, 16566), (474, 16581),

Gene: Zion_33 Start: 28461, Stop: 29327, Start Num: 56
Candidate Starts for Zion_33:

(Start: 56 @28461 has 19 MA's), (68, 28485), (96, 28530), (125, 28590), (142, 28629), (181, 28725), (266, 28887), (283, 28920), (335, 28995), (344, 29019), (443, 29160), (460, 29196), (468, 29223), (492, 29280),

Gene: Zirinka_18 Start: 16952, Stop: 17779, Start Num: 103
Candidate Starts for Zirinka_18:
(Start: 103 @16952 has 37 MA's), (127, 17006), (140, 17033), (188, 17147), (190, 17153), (197, 17168), (275, 17291), (296, 17333), (302, 17342), (353, 17447), (388, 17522), (398, 17543), (465, 17666), (476, 17699),

Gene: ZoMa_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for ZoMa_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: Zodiariah_17 Start: 15097, Stop: 16167, Start Num: 40
Candidate Starts for Zodiariah_17:
(Start: 40 @15097 has 1 MA's), (45, 15106), (107, 15199), (126, 15241), (149, 15289), (222, 15457), (230, 15481), (233, 15487), (272, 15559), (277, 15568), (279, 15571), (351, 15721), (363, 15748), (377, 15790), (404, 15838), (463, 15985), (480, 16030), (482, 16033), (499, 16063), (510, 16093), (511, 16099), (515, 16135), (516, 16138),

Gene: ZoeJ_18 Start: 13830, Stop: 14957, Start Num: 21
Candidate Starts for ZoeJ_18:
(Start: 21 @13830 has 36 MA's), (23, 13839), (50, 13941), (107, 14031), (126, 14073), (127, 14076), (138, 14100), (178, 14199), (210, 14262), (229, 14301), (262, 14355), (304, 14433), (340, 14508), (371, 14586), (389, 14604), (408, 14634), (431, 14676), (432, 14679), (463, 14769), (471, 14793), (507, 14871), (511, 14886), (516, 14925), (520, 14943),

Gene: Zombie_17 Start: 15477, Stop: 16649, Start Num: 19
Candidate Starts for Zombie_17:
(5, 15144), (Start: 19 @15477 has 250 MA's), (50, 15597), (Start: 62 @15615 has 5 MA's), (Start: 89 @15660 has 3 MA's), (93, 15666), (125, 15729), (140, 15765), (169, 15834), (170, 15837), (178, 15858), (207, 15912), (229, 15957), (251, 15987), (304, 16089), (309, 16101), (314, 16113), (320, 16131), (389, 16296), (408, 16326), (418, 16344), (431, 16368), (473, 16488), (511, 16578), (514, 16611),

Gene: phiBT1_44 Start: 10499, Stop: 11365, Start Num: 95
Candidate Starts for phiBT1_44:
(Start: 95 @10499 has 9 MA's), (100, 10508), (115, 10538), (118, 10544), (137, 10592), (145, 10607), (168, 10667), (173, 10682), (181, 10700), (209, 10760), (248, 10829), (250, 10832), (283, 10895), (285, 10898), (302, 10931), (323, 10982), (347, 11012), (438, 11183), (478, 11294),