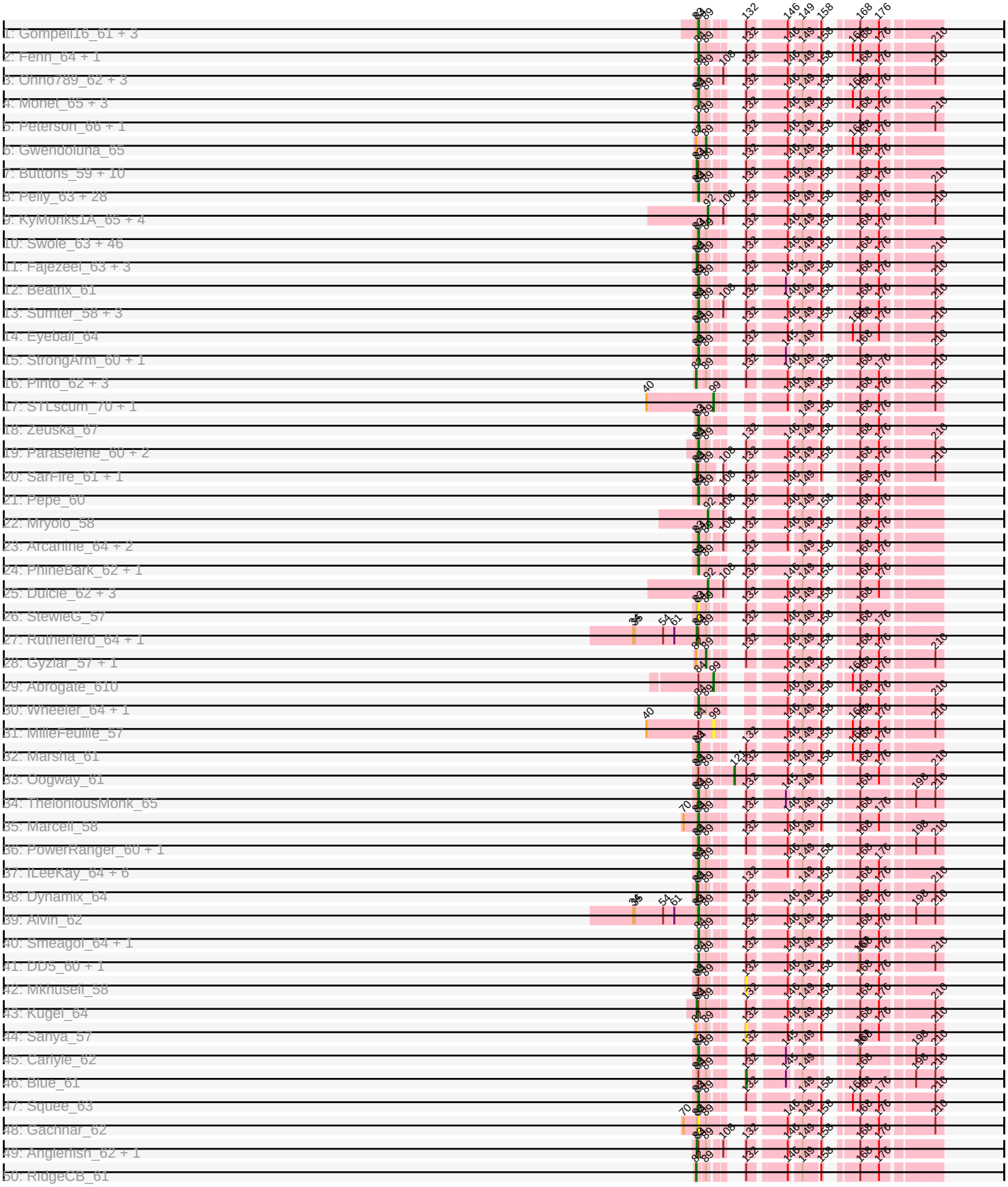
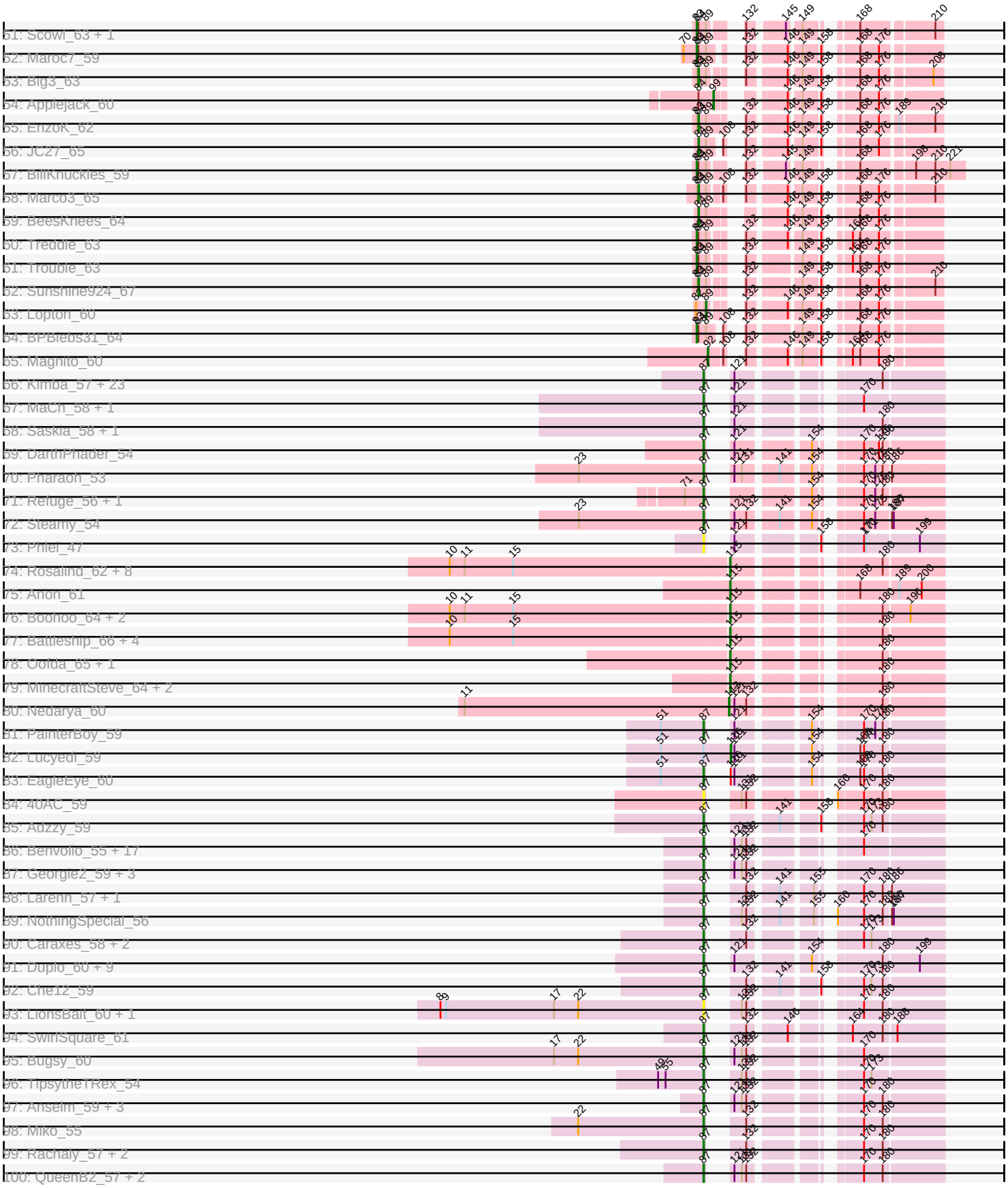
Pham 290654


1: Gompeii16_61 + 3
2: Fenn_64 + 1
3: Ohno789_62 + 3
4: Monet_65 + 3
5: Peterson_66 + 1
6: Gwendoluna_65
7: Buttons_59 + 10
8: Pelly_63 + 28
9: KyMonks1A_65 + 4
10: Swole_63 + 46
11: Fajezeel_63 + 3
12: Beatrix_61
13: Sumter_58 + 3
14: Eyeball_64
15: StrongArm_60 + 1
16: Pinto_62 + 3
17: STLscum_70 + 1
18: Zeuska_67
19: Paraselene_60 + 2
20: SarFire_61 + 1
21: Pepe_60
22: Mryolo_58
23: Arcanine_64 + 2
24: PhineBark_62 + 1
25: Dulcie_62 + 3
26: StewieG_57
27: Rutherherd_64 + 1
28: Gyziar_57 + 1
29: Abrogate_610
30: Wheeler_64 + 1
31: MlleFeuille_57
32: Marsha_61
33: Oogway_61
34: TheloniousMonk_65
35: Marcell_58
36: PowerRanger_60 + 1
37: ILeeKay_64 + 6
38: Dynamix_64
39: Alvin_62
40: Smeagol_64 + 1
41: DD5_60 + 1
42: Mkhusell_58
43: Kugel_64
44: Sanya_57
45: Carlyle_62
46: Blue_61
47: Squee_63
48: Gachnar_62
49: Anglerfish_62 + 1
50: RidgeCB_61

Pham 290654


51: Scowl_63 + 1
52: Maroc7_59
53: Big3_63
54: Applejack_60
55: EnzoK_62
56: JC27_65
57: BillKnuckles_59
58: Marco3_65
59: BeesKnees_64
60: Treddie_63
61: Trouble_63
62: Sunshine924_67
63: Lopton_60
64: BPBlebs31_64
65: Magnito_60
66: Kimba_57 + 23
67: MaCh_58 + 1
68: Saskia_58 + 1
69: DarthPhader_54
70: Pharaon_53
71: Refuge_56 + 1
72: Steamy_54
73: Phiel_47
74: Rosalind_62 + 8
75: Anon_61
76: Boohoo_64 + 2
77: Battleship_66 + 4
78: Oolda_65 + 1
79: MinecraftSteve_64 + 2
80: Nedarya_60
81: PainterBoy_59
82: Lucyedi_59
83: EagleEye_60
84: 40AC_59
85: Adzzy_59
86: Benvolio_55 + 17
87: Georgie2_59 + 3
88: Larenn_57 + 1
89: NothingSpecial_56
90: Caraxes_58 + 2
91: Dupio_60 + 9
92: Che12_59
93: LionsBait_60 + 1
94: SwirlSquare_61
95: Bugsy_60
96: TipsytheTRex_54
97: Anselm_59 + 3
98: Miko_55
99: Rachaly_57 + 2
100: QueenB2_57 + 2

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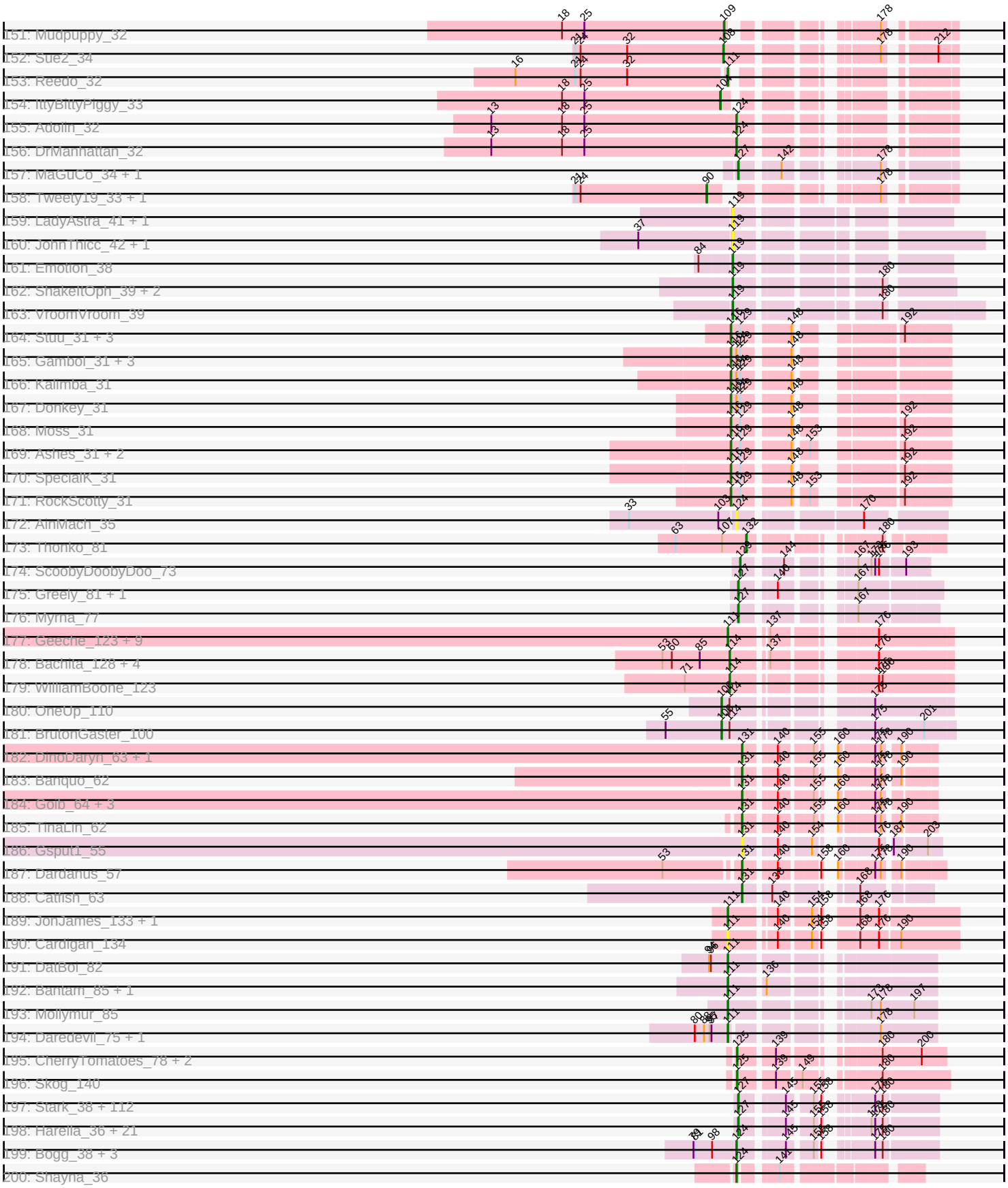
I01: Journey13_52
I02: Kodiuck_59 + 1
I03: Quokka_56 + 3
I04: Ph8s_59
I05: Serenity_58
I06: C3_56 + 3
I07: Acolyte_53
I08: MissWhite_57
I09: Herbertwm_56
I10: Anthony_54
I11: FatCactus_50
I12: Arissanae_57
I13: SheaKeira_56
I14: Spouty_58 + 25
I15: MegTheThird_57
I16: Elephantoon_57
I17: DreamTeam1_56 + 2
I18: Mamiriaina_57 + 1
I19: CogOmlette_57 + 4
I20: KeziaCharles14_58
I21: ExplosiNervosa_58
I22: Celestialunch_57
I23: Yecey3_59
I24: LoneWolf_59
I25: Vanisoa_58
I26: Darrell_60
I27: Toaka_58
I28: Indidiamithi_37
I29: ThursdayNight_37
I30: Cyan_33 + 3
I31: Kaylissa_33 + 7
I32: MissSwiss_32
I33: Tutumahutu_33 + 3
I34: Berrie_34
I35: Tallboi_33
I36: DrSierra_32
I37: Adumb2043_32 + 1
I38: Niobe_34 + 7
I39: Cassia_34
I40: Amploria_32 + 1
I41: AGrandMora_34
I42: Janeemi_35 + 1
I43: Wildwest_33
I44: Ascela_34 + 1
I45: VResidence_33
I46: Tuck_36 + 2
I47: KeAlli_33
I48: Yang_33 + 1
I49: Amyev_33 + 2
I50: ObiToo_36 + 1

Pham 290654


151: Mudpuppy_32
152: Sue2_34
153: Reedo_32
154: IttyBittyPiggy_33
155: Adolin_32
156: DrManhattan_32
157: MaGuCo_34 + 1
158: Tweety19_33 + 1
159: LadyAstra_41 + 1
160: JohnThicc_42 + 1
161: Emotion_38
162: SnakeItOph_39 + 2
163: VroomVroom_39
164: Stuu_31 + 3
165: Gambol_31 + 3
166: Kalimba_31
167: Donkey_31
168: Moss_31
169: Ashes_31 + 2
170: SpecialK_31
171: RockScotty_31
172: AimMach_35
173: Thonko_81
174: ScoobyDoobyDoo_73
175: Greely_81 + 1
176: Myrna_77
177: Geeche_123 + 9
178: Bachita_128 + 4
179: WilliamBoone_123
180: OneUp_110
181: BrutonGaster_100
182: DinoDaryn_63 + 1
183: Banquo_62
184: Golb_64 + 3
185: TinaLin_62
186: Gsputt_55
187: Dardanus_57
188: Catfish_63
189: JonJames_133 + 1
190: Cardigan_134
191: DatBoi_82
192: Bantam_85 + 1
193: Mollymur_85
194: Daredevil_75 + 1
195: CherryTomatoes_78 + 2
196: Skog_140
197: Stark_38 + 112
198: Harella_36 + 21
199: Bogg_38 + 3
200: Shayna_36

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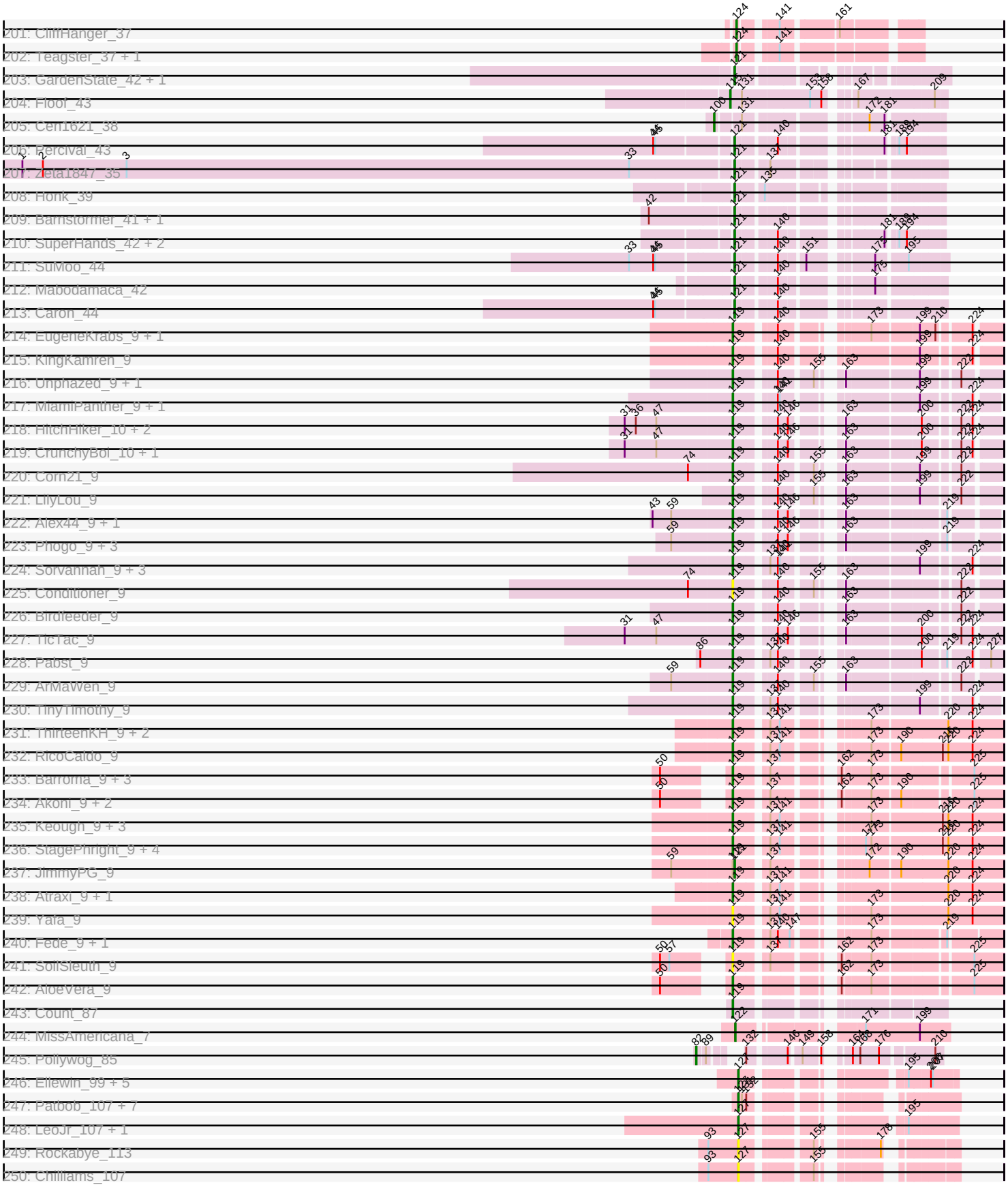
201: CliffHanger_37
202: Teagster_37 + 1
203: GardenState_42 + 1
204: Flool_43
205: Cen1621_38
206: Percival_43
207: Zeta1847_35
208: Honk_39
209: Barnstormer_41 + 1
210: SuperHands_42 + 2
211: SuMoo_44
212: Mabodamaca_42
213: Caron_44
214: EugeneKrabs_9 + 1
215: KingKamren_9
216: Unphazed_9 + 1
217: MiamiPanther_9 + 1
218: HitchHiker_10 + 2
219: CrunchyBoi_10 + 1
220: Corn21_9
221: LilyLou_9
222: Alex44_9 + 1
223: Phogo_9 + 3
224: Sorvannah_9 + 3
225: Conditioner_9
226: Birdfeeder_9
227: TicTac_9
228: Pabst_9
229: ArMaWen_9
230: TinyTimothy_9
231: ThirteenKH_9 + 2
232: RicoCaldo_9
233: Barroma_9 + 3
234: Akoni_9 + 2
235: Keough_9 + 3
236: StagePhright_9 + 4
237: JimmyPG_9
238: Atraxi_9 + 1
239: Yara_9
240: Fede_9 + 1
241: SolSleuth_9
242: AloeVera_9
243: Count_87
244: MissAmericana_7
245: Pollywog_85
246: Ellewin_99 + 5
247: Patboob_107 + 7
248: LeoJr_107 + 1
249: Rockabye_113
250: Chilliams_107

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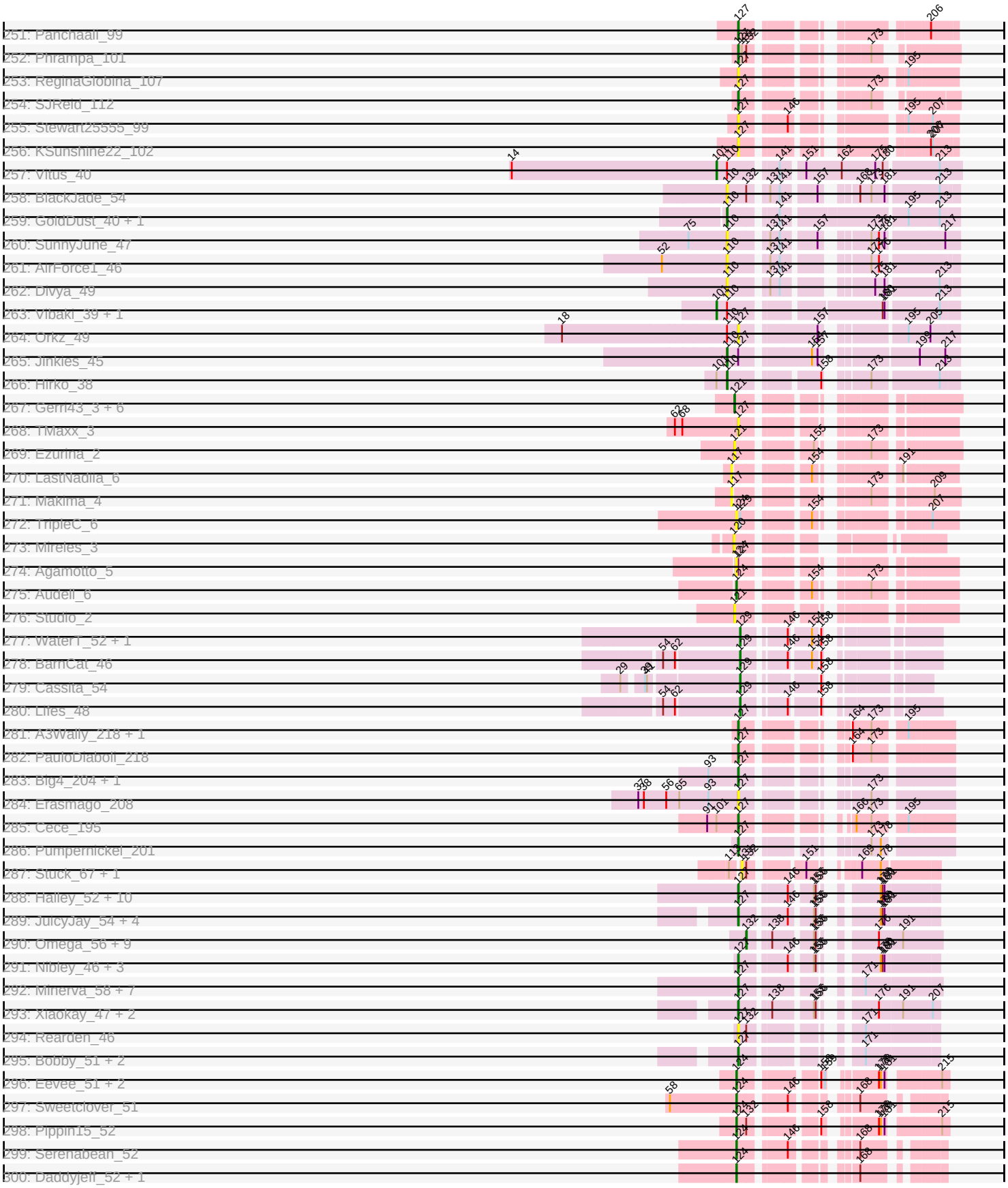
251: Panchaali_99
252: Phrampa_101
253: ReginaGlobina_107
254: SJReid_112
255: Stewart25555_99
256: KSunshine22_102
257: Vitus_40
258: BlackJade_54
259: GoldDust_40 + 1
260: SunnyJune_47
261: AirForce1_46
262: Divya_49
263: Vibaki_39 + 1
264: Orkz_49
265: Jinkies_45
266: Hirko_38
267: Gerri43_3 + 6
268: TMaxx_3
269: Ezurina_2
270: LastNadila_6
271: Makima_4
272: TripleC_6
273: Mireles_3
274: Agamotto_5
275: Audell_6
276: Studio_2
277: WaterT_52 + 1
278: BarnCat_46
279: Cassita_54
280: Lifes_48
281: A3Wally_218 + 1
282: PaulioDiaboli_218
283: Big4_204 + 1
284: Erasmago_208
285: Cece_195
286: Pumpernickel_201
287: Stuck_67 + 1
288: Hailey_52 + 10
289: JuicyJay_54 + 4
290: Omega_56 + 9
291: Nibley_46 + 3
292: Minerva_58 + 7
293: Xiaokay_47 + 2
294: Rearden_46
295: Bobby_51 + 2
296: Eevee_51 + 2
297: Sweetclover_51
298: Pippin15_52
299: Serenabean_52
300: Daddyjeff_52 + 1

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301: Hyperbowlee_66 + 68
302: Elra2_72
303: Megsy_69
304: CheetoDust_66 + 2
305: YingHuaYa_70 + 1
306: TreyKay_68 + 3
307: Curiosium_70
308: Validus_71
309: Stinson_68 + 6
310: Apocalypse_69
311: Scarlett_71 + 2
312: Shaobing_69 + 5
313: TaiwanKao_69
314: Guanica15_71 + 1
315: Chris_69
316: Anaya_69
317: Nibb_69
318: LeMond_70
319: MarkPhew_69
320: Chavito_69
321: Tin_67
322: Marcoliusprime_69 + 2
323: Stroblio_70 + 3
324: ZoeJ_68
325: BoostSeason_69
326: Mufasa_69
327: TM4_67
328: SherlockHolmes_69 + 2
329: Pixie_67 + 1
330: MacnCheese_70
331: Pharb_67 + 1
332: Juliette_72 + 11
333: Eponine_72
334: Taquito_69
335: MissDaisy_67
336: Bobquesha_71 + 1
337: Mitti_70
338: YasnayaPolyana_69
339: Reptar3000_67
340: Edugator_59 + 5
341: Thyatira_63 + 4
342: Rando14_62
343: Omnicron_64
344: Shadow1_71 + 3
345: Unicorn_68 + 1
346: Ellie_62 + 2
347: SirPhilip_66
348: Bryler_70 + 3
349: Marshawn_66
350: Ammunition_66 + 2

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351: Ekdilam_63
352: November_64
353: Ximenita_72
354: TCliff_68
355: Fellemead_64
356: Yuna_71
357: Boilgate_63
358: Tourach_32 + 1
359: Breezona_32 + 20
360: Archie_32 + 1
361: LilDestine_32
362: Samty_31 + 13
363: LlyuLake_31 + 2
364: Krypton555_31
365: Red305_31
366: Whirlwind_32
367: Bromden_32
368: Kropertea_30 + 2
369: Douge_30
370: TyDawg_39 + 10
371: Auspice_39 + 4
372: Reindeer_39
373: GenevaB15_44 + 1
374: MrMagoo_44 + 1
375: Rey_44
376: Estes_45
377: Nanosmite_44
378: Raymond7_49 + 14
379: EGUnicorn_48 + 16
380: Panchino_48 + 3
381: Journey_52
382: Shweta_51
383: Charlie_51 + 1
384: Impisi_56
385: Riparian_40 + 3
386: Zenon_41 + 4
387: MontyDev_40
388: Stellammi_39
389: Laure_112
390: Cosmo_53 + 4
391: Kumao_40
392: Mbo4_60
393: Footloose_59
394: Tallonex_48
395: BFK20_ORF53
396: DS6A_74
397: Yappy_50

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 290654 Report

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

Pham number 290654 has 1183 members, 174 are drafts.

Phages represented in each track:
• Track 1 : Gompeii16_61, Bircsak_61, Agaliana_56, Francis47_60
• Track 2 : Fenn_64, Naira_64
• Track 3 : Ohno789_62, Dreamboat_63, PherrisBueller_61, Jasper_62
• Track 4 : Monet_65, Marchy_56, Payneful_60, Puppet_60
• Track 5 : Peterson_66, Lesedi_58
• Track 6 : Gwendoluna_65
• Track 7 : Buttons_59, Kenmech_65, KSSJEB_62, Papez_64, Pita2_63, Aeneas_65, PattyP_64, Fushigi_58, Fascinus_56, PhrostyMug_62, Pippin_62
• Track 8 : Pelly_63, Homines_54, Target_64, SpikeBT_60, MaryBeth_60, Jerm2_64, Corvo_63, Bxb1_56, MrGordo_64, PinkPlastic_62, GageAP_63, Alsfro_68, Barriga_65, Solon_61, Petruchio_62, Niza_64, NEHalo_59, Burton_63, Ajay_62, Graduation_66, Froghopper_60, MetalQZJ_59, Whitspit_58, AFIS_58, Ichabod_66, Dexes_62, Blackflame_58, Hope4ever_63, Jorgensen_65
• Track 9 : KyMonks1A_65, Tripl3t_65, Sorpresa_59, Sandaddy_58, Magnar_60
• Track 10 : Swole_63, Marge_59, Hami1_57, Phlippers_58, BarrowTuph_63, Rajelicia_62, Ashballer_65, QTRlifeCrisis_62, A6_54, CartmannCramer_60, ConceptII_64, Gandalf20_64, Violet_60, Blesser_58, Sagefire_64, Smairt_64, Abbyshoes_63, BigPaolini_59, PascalRango_60, BK1_54, Dussy_62, Chanagan_56, CactusRose_62, Perseus_61, GroundGoblin_59, Aldrich_58, Mule_59, Nerujay_64, JuliaChild_63, Licorice_63, Doom_60, PSullivan_60, LilBib_62, Edtherson_61, KikiBouba_60, CatBus_58, BaconJack_66, ChristmasHams_56, Norz_62, GrecoEtereo_61, Hermia_60, Noxious_59, Bigfoot_54, LunarLander_62, Ciao_60, Tote_58, DirtDevil_60
• Track 11 : Fajezeel_63, Acme_64, Greg_63, Lamina13_66
• Track 12 : Beatrix_61
• Track 13 : Sumter_58, Turj99_60, Thor_61, Pari_65
• Track 14 : Eyeball_64
• Track 15 : StrongArm_60, Bexan_59
• Track 16 : Pinto_62, Rufus_63, Atkinbua_64, Makemake_64
• Track 17 : STLscum_70, Ringer_62
• Track 18 : Zeuska_67
• Track 19 : Paraselene_60, Iqorha_57, Inyanga_57
• Track 20 : SarFire_61, Bethlehem_61
• Track 21 : Pepe_60
• Track 22 : Mryolo_58
• Track 23 : Arcanine_64, Slagathor_64, TwoPeat_63
• Track 24 : PhineBark_62, Levia_60

• Track 25 : Dulcie_62, DrFeelGood_58, Ruotula_64, Traft412_64
• Track 26 : StewieG_57
• Track 27 : Rutherferd_64, Rhynn_60
• Track 28 : Gyzlar_57, Rubeus_60
• Track 29 : Abrogate_610
• Track 30 : Wheeler_64, Michley_65
• Track 31 : MilleFeuille_57
• Track 32 : Marsha_61
• Track 33 : Oogway_61
• Track 34 : TheloniousMonk_65
• Track 35 : Marcell_58
• Track 36 : PowerRanger_60, Euphoria_60
• Track 37 : ILeeKay_64, Bigchungi_61, ShortQueendom_54, Kanely_63, Altman_64, McSinger_60, Snazzy_60
• Track 38 : Dynamix_64
• Track 39 : Alvin_62
• Track 40 : Smeagol_64, Teodoridan_60
• Track 41 : DD5_60, Lockley_59
• Track 42 : Mkhuseli_58
• Track 43 : Kugel_64
• Track 44 : Sanya_57
• Track 45 : Carlyle_62
• Track 46 : Blue_61
• Track 47 : Squee_63
• Track 48 : Gachnar_62
• Track 49 : Anglerfish_62, Manatee_62
• Track 50 : RidgeCB_61
• Track 51 : Scowl_63, KBG_63
• Track 52 : Maroc7_59
• Track 53 : Big3_63
• Track 54 : Applejack_60
• Track 55 : EnzoK_62
• Track 56 : JC27_65
• Track 57 : BillKnuckles_59
• Track 58 : Marco3_65
• Track 59 : BeesKnees_64
• Track 60 : Treddle_63
• Track 61 : Trouble_63
• Track 62 : Sunshine924_67
• Track 63 : Lopton_60
• Track 64 : BPBiebs31_64
• Track 65 : Magnito_60
• Track 66 : Kimba_57, Bud_57, Jabith_58, Mulciber_57, Hutc2_57, Orange_57, Gilberta_58, Wolpertinger_56, Insomnia_58, TinyTimmy_57, Ebony_57, Munch_58, Flaverint_58, Fibonacci_57, Bowtie_58, Et2Brutus_56, Joselito_58, Sham4_57, Snape_57, Salz_56, Timothy_57, Aneem_58, Lucivia_58, Petersenfast_56
• Track 67 : MaCh_58, Bachome_59
• Track 68 : Saskia_58, Mabel_57
• Track 69 : DarthPhader_54
• Track 70 : Pharaoh_53
• Track 71 : Refuge_56, Zimmer_55
• Track 72 : Steamy_54
• Track 73 : Phlei_47

• Track 74 : Rosalind_62, Looper_63, LastResort_62, Epsocamisio_61, Waits_64, ReMo_62, JSwag_63, Remus_64, Strosahl_64
• Track 75 : Anon_61
• Track 76 : Boohoo_64, Anaysia_64, Nebulosus_62
• Track 77 : Battleship_66, ShayRa_64, Soups_64, Switzerland_63, DekHockey33_65
• Track 78 : Oofda_65, Warrior24_66
• Track 79 : MinecraftSteve_64, KatherineG_64, Ravana_67
• Track 80 : Nedarya_60
• Track 81 : PainterBoy_59
• Track 82 : Lucyedi_59
• Track 83 : EagleEye_60
• Track 84 : 40AC_59
• Track 85 : Adzzy_59
• Track 86 : Benvolio_55, ChipMunk_60, FiringLine_58, Echild_58, Power_57, EvilGenius_60, Jerm_60, Dignity_60, Whabigail7_59, Leviathan_60, Agape74_60, Smeagan_61, SnapTap_58, LilTurb_59, SemperFi_59, Crucio_58, KingCyrus_60, QueenBeesly_58
• Track 87 : Georgie2_59, AbbyPaige_60, SweetiePie_58, Turbido_59
• Track 88 : Larenn_57, Malec_58
• Track 89 : NothingSpecial_56
• Track 90 : Caraxes_58, Odin_56, Superchunk_56
• Track 91 : Duplo_60, StarStuff_60, Kerberos_60, DBQu4n_60, Pomar16_60, D32_59, Naji_60, Travvers_60, D29_56, Tomathan_60
• Track 92 : Che12_59
• Track 93 : LionsBait_60, HippoHollow_58
• Track 94 : SwirlSquare_61
• Track 95 : Bugsy_60
• Track 96 : TipsytheTRex_54
• Track 97 : Anselm_59, DudeLittle_57, Dalmatian_59, Retro23_59
• Track 98 : Miko_55
• Track 99 : Rachaly_57, BobSwaget_54, Lokk_55
• Track 100 : QueenB2_57, Heffalump_57, Fameo_58
• Track 101 : Journey13_52
• Track 102 : Koduck_59, L5_56
• Track 103 : Quokka_56, Bradman_57, MajorMajor_57, Jsquared_56
• Track 104 : Ph8s_59
• Track 105 : Serenity_58
• Track 106 : C3_56, VC3_61, AN9_61, ANI8_61
• Track 107 : Acolyte_53
• Track 108 : MissWhite_57
• Track 109 : Herbertwm_56
• Track 110 : Anthony_54
• Track 111 : FatCactus_50
• Track 112 : Arissanae_57
• Track 113 : SheaKeira_56
• Track 114 : Spouty_58, Onglai_56, Beemo_58, Priya_58, Phaeder_58, Conquerage_58, Scherzo_58, Fayely_58, Lilleskat_56, Eidsmoe_58, Myxus_58, HortumSL17_58, Catalina_59, Aliter_58, Qobbit_58, RyeScarlet_59, Alma_58, Phonnegut_58, Pioneer_58, Sachima_55, EmyBug_57, Ayanochan_59, Ugenie5_55, Tubs_58, Jiawan_56, PackMan_57
• Track 115 : MegTheThird_57
• Track 116 : Elephantoon_57
• Track 117 : DreamTeam1_56, Klodlith_57, Charm_56

• Track 118 : Maminiaina_57, BogosyJay_57
• Track 119 : CogOmlette_57, WorldCup_57, Rahalelujah_58, Minispark_57, Bellris_57
• Track 120 : Keziacharles14_58
• Track 121 : ExplosioNervosa_58
• Track 122 : Celestialunch_57
• Track 123 : Yecey3_59
• Track 124 : LoneWolf_59
• Track 125 : Vanisoa_58
• Track 126 : Darrell_60
• Track 127 : Toaka_58
• Track 128 : Indlulamithi_37
• Track 129 : ThursdayNight_37
• Track 130 : Cyan_33, Joemato_33, JohnDoe_33, Simpson_35
• Track 131 : Kaylissa_33, Nitro_33, JuneStar_33, Pumpkins_33, TforTroy_34, YesChef_33, Lizalica_32, Powerpuff_35
• Track 132 : MissSwiss_32
• Track 133 : Tutumahutu_33, Flutur_33, Warda_33, Tbone_32
• Track 134 : Berrie_34
• Track 135 : Tallboi_33
• Track 136 : DrSierra_32
• Track 137 : Adumb2043_32, Turab_32
• Track 138 : Niobe_34, Jstan_36, Skelbel_35, Elezi_34, Asa16_34, London_34, Subaru_35, Eraser_34
• Track 139 : Cassia_34
• Track 140 : Amploria_32, AEgle_32
• Track 141 : AGrandiflora_34
• Track 142 : Janeemi_35, Lego_33
• Track 143 : Wildwest_33
• Track 144 : Ascela_34, Iter_34
• Track 145 : VResidence_33
• Track 146 : Tuck_36, Phives_35, Community_34
• Track 147 : KeAlii_33
• Track 148 : Yang_33, Schaffner_33
• Track 149 : Amyev_33, Tian_33, Pixelle_33
• Track 150 : ObiToo_36, Crewmate_37
• Track 151 : Mudpuppy_32
• Track 152 : Sue2_34
• Track 153 : Reedo_32
• Track 154 : IttyBittyPiggy_33
• Track 155 : Adolin_32
• Track 156 : DrManhattan_32
• Track 157 : MaGuCo_34, Maureen_36
• Track 158 : Tweety19_33, Snek_33
• Track 159 : LadyAstra_41, Origami_41
• Track 160 : JohnThicc_42, FiveHead_43
• Track 161 : Emotion_38
• Track 162 : ShakeItOph_39, JasmineDragon_39, MiniMommy_38
• Track 163 : VroomVroom_39
• Track 164 : Stuu_31, Giorgio_31, Mysterium_31, Gumpizza_31
• Track 165 : Gambol_31, Sooty_31, Cappuccino_31, Sabourin_31
• Track 166 : Kalimba_31
• Track 167 : Donkey_31

• Track 168 : Moss_31
• Track 169 : Ashes_31, Halsey_31, Beaupre_31
• Track 170 : SpecialK_31
• Track 171 : RockScotty_31
• Track 172 : AinMach_35
• Track 173 : Thonko_81
• Track 174 : ScoobyDoobyDoo_73
• Track 175 : Greely_81, Phabba_83
• Track 176 : Myrna_77
• Track 177 : Geeche_123, Miskis_120, Culver_125, Dusty_122, Norvs_124, Aphelion_125, Abscondus_124, ClubL_125, Lozinak_125, Smoothie_126
• Track 178 : Bachita_128, Cucurbita_126, Toniann_125, Engineer_127, PhinkBoden_125
• Track 179 : WilliamBoone_123
• Track 180 : OneUp_110
• Track 181 : BrutonGaster_100
• Track 182 : DinoDaryn_63, Huffy_63
• Track 183 : Banquo_62
• Track 184 : Goib_64, Splinter_63, TZGordon_64, Vendetta_63
• Track 185 : TinaLin_62
• Track 186 : Gsput1_55
• Track 187 : Dardanus_57
• Track 188 : Catfish_63
• Track 189 : JonJames_133, Yvonnetastic_129
• Track 190 : Cardigan_134
• Track 191 : DatBoi_82
• Track 192 : Bantam_85, SpeedDemon_860
• Track 193 : Mollymur_85
• Track 194 : Daredevil_75, Towmatter_75
• Track 195 : CherryTomatoes_78, SCentae_76, Pupper_77
• Track 196 : Skog_140
• Track 197 : Stark_38, Policronamos_37, Maxxinista_38, Moldemort_38, Emmina_38, Gage_39, StormChicken_37, HufflyPuff_36, Petra64142_39, FireRed_37, MollyToe_37, Czyszczon1_38, StellaBean_37, Elph10_38, TBrady12_39, Buck_36, Kostya_38, FoghornLeghorn_36, Kanye_39, Adnama_40, TeardropMSU_36, Goldilocks_38, Inca_36, Thresher_38, GoldenSpark_39, Sassay_36, Tarkin_39, 244_39, Argent26_39, BugsBunny_35, HanKaySha_38, MISSy_36, Manda_38, Nimrod_37, Rakim_38, MadamMonkfish_37, Easy2Say_39, BilboSwaggins_37, Myrale_37, Dumbo_37, Becksu_37, TeamEdward_37, SophKB_37, YassJohnny_38, GooberAzure_39, Miniwave_37, Greep_38, RiverMonster_37, PhatBacter_37, Highbury_38, Command613_38, JeTaime_39, Icee_36, Teaspoon_38, MPhalcon_36, CrystalP_37, Kimchi_39, Asriel_36, Saints25_38, StolenFromERC_39, Bask21_37, Stank_40, Tuco_38, Quallification_38, NonchalantPear_37, NoSleep_38, Traaww1_35, Cactus_38, Filch_38, Palpatine_37, Toto_37, Sotrice96_37, NelitzaMV_37, Terminus_37, AmericanBeauty_39, Murphy_38, Bench_39, Gator_35, Paperbeatsrock_39, Hoonter_39, Elite2014_36, Misfit_37, Hopey_39, Wiggin_40, Ptowny_38, Pumpkin_39, Simpliphy_38, Ukulele_37, ChosenOne_37, ABCat_36, Bruin_37, Willez_36, DrDrey_38, Gemini_40, Cjw1_37, Thimble_37, Lilac_39, PaddyBaddy_38, Nala_37, Phrux_37, Marshmallow_37, ShamWow_37, Porky_37, Lilpickle_36, Barbarian_36, xkcd_38, OrionPax_38, Lilizi_39, Rimmer_36, Phaux_36, Xandras_39, Pharsalus_38, Murica_36

• Track 198 : Harella_36, SirDuracell_36, Glexan_35, BadStone_36, ChotaBhai_37, DoctorDiddles_37, Youngblood_37, Daikon_36, Contagion_36, Mindy_37, Dusk_36, Flypotenuse_35, Mosby_36, Amao_37, BigBubba_38, Brewer_37, Pat3_36, Tomaszewski_36, Holt_38, Cookies_37, Balomoji_36, Henry_38
• Track 199 : Bogg_38, BaboJay_37, Eureka_38, Goku_38
• Track 200 : Shayna_36
• Track 201 : CliffHanger_37
• Track 202 : Teagster_37, SunnyD_36
• Track 203 : GardenState_42, IAmGroot_42
• Track 204 : Floof_43
• Track 205 : Cen1621_38
• Track 206 : Percival_43
• Track 207 : Zeta1847_35
• Track 208 : Honk_39
• Track 209 : Barnstormer_41, UtzChips_41
• Track 210 : SuperHands_42, Forester_68, Gretchen_42
• Track 211 : SuMoo_44
• Track 212 : Mabodamaca_42
• Track 213 : Caron_44
• Track 214 : EugeneKrabs_9, Zhengyi_9
• Track 215 : KingKamren_9
• Track 216 : Unphazed_9, DumpQuist_9
• Track 217 : MiamiPanther_9, JessellCookie_9
• Track 218 : HitchHiker_10, Oatly_9, Biozilla_9
• Track 219 : CrunchyBoi_10, PineapplePluto_10
• Track 220 : Corn21_9
• Track 221 : LilyLou_9
• Track 222 : Alex44_9, Stormbreaker_9
• Track 223 : Phogo_9, Dashyla_9, Xitlalli_9, SwissCheezer_9
• Track 224 : Sorvannah_9, YellowPanda_9, Wesak_9, Salvatore2000_9
• Track 225 : Conditioner_9
• Track 226 : Birdfeeder_9
• Track 227 : TicTac_9
• Track 228 : Pabst_9
• Track 229 : ArMaWen_9
• Track 230 : TinyTimothy_9
• Track 231 : ThirteenKH_9, TrippleS_9, Mazun_9
• Track 232 : RicoCaldo_9
• Track 233 : Barroma_9, JordanFarm_9, Truong_9, ShyRosie_9
• Track 234 : Akoni_9, Ashton_9, Waterlily_9
• Track 235 : Keough_9, Astartes_9, PhriedRice_9, Moleficent_9
• Track 236 : StagePhright_9, Fullmetal_9, Phractured_9, Phedro_9, Pharky_9
• Track 237 : JimmyPG_9
• Track 238 : Atraxi_9, Morrill_9
• Track 239 : Yafa_9
• Track 240 : Fede_9, Kosier_9
• Track 241 : SoilSleuth_9
• Track 242 : AloeVera_9
• Track 243 : Count_87
• Track 244 : MissAmericana_7
• Track 245 : Pollywog_85
• Track 246 : Ellewin_99, WaddleDee_95, DunneganBoMo_97, Artu_100, Emmetator_100, BooTeria_104

• Track 247 : Patbob_107, FrostedClock_111, Talia1610_108, Racecar_109, FloraSnap32_108, Bloom_112, Mimi_108, GoldenEssence_94
• Track 248 : LeoJr_107, Atuin_102
• Track 249 : Rockabye_113
• Track 250 : Chilliams_107
• Track 251 : Panchaali_99
• Track 252 : Phrampa_101
• Track 253 : ReginaGlobina_107
• Track 254 : SJReid_112
• Track 255 : Stewart25555_99
• Track 256 : KSunshine22_102
• Track 257 : Vitus_40
• Track 258 : BlackJade_54
• Track 259 : GoldDust_40, Gooberta_40
• Track 260 : SunnyJune_47
• Track 261 : AirForce1_46
• Track 262 : Divya_49
• Track 263 : Vibaki_39, Music_39
• Track 264 : Orkz_49
• Track 265 : Jinkies_45
• Track 266 : Hirko_38
• Track 267 : Gerri43_3, ChipsNGuac_3, CardboardBox_3, Neuvillette_3, Roberts_3, AnnabelLee_3, ChamoyPickle_3
• Track 268 : TMaxx_3
• Track 269 : Ezurina_2
• Track 270 : LastNadiia_6
• Track 271 : Makima_4
• Track 272 : TripleC_6
• Track 273 : Mireles_3
• Track 274 : Agamotto_5
• Track 275 : Audell_6
• Track 276 : Studio_2
• Track 277 : WaterT_52, LeeroyJenkins_54
• Track 278 : BarnCat_46
• Track 279 : Cassita_54
• Track 280 : Lifes_48
• Track 281 : A3Wally_218, Dodo_218
• Track 282 : PauloDiaboli_218
• Track 283 : Big4_204, Zooman_185
• Track 284 : Erasmago_208
• Track 285 : Cece_195
• Track 286 : Pumpernickel_201
• Track 287 : Stuck_67, Bluvara_58
• Track 288 : Halley_52, HokkenD_45, EricMillard_52, Beem_52, Bagrid_51, Yeet_50, Ejimix_52, ThreeRngTarjay_50, Kalah2_52, Hughesyang_50, BAKA_56
• Track 289 : JuicyJay_54, Klein_52, DmpstrDiver_53, Schatzie_49, Odette_52
• Track 290 : Omega_56, Porcelain_50, Lucky2013_51, Ariel_51, LittleE_56, MiaZeal_51, Thibault_45, Courthouse_51, Nekros_50, Superphikiman_51
• Track 291 : Nibley_46, Redno2_50, Dallas_54, Zelink_53
• Track 292 : Minerva_58, Optimus_57, Pound_54, Wanda_58, Bombitas_49, NihilNomen_51, Duke13_55, Phoebus_51
• Track 293 : Xiaokay_47, Dove_49, Constella_44
• Track 294 : Rearden_46

• Track 295 : Bobby_51, Hannaconda_48, KashFlow_45
• Track 296 : Eevee_51, JoyLin_51, Yotsuba_51
• Track 297 : Sweetclover_51
• Track 298 : Pippin15_52
• Track 299 : Serenabean_52
• Track 300 : Daddyjeff_52, AddiRose_51
• Track 301 : Hyperbowlee_66, Zavala_69, Peel_66, CaseJules_68, DrHayes_67, Tachez_66, Ramen_67, Homura_66, Pokerus_66, Clipper_70, Spock_66, Rosmarinus_66, ShiaSurprise_67, Lunahalos_66, ActinUp_66, Joy99_66, Padpat_69, Belladonna_66, Padfoot_66, Angelica_66, Jayhawk_68, Deby_67, CallaLilly_66, Jeckyll_66, HedwigODU_66, Geraldini_69, Veliki_68, Boiiii_66, BGlluviae_66, Inky_66, Durfee_66, TiniBug_67, Blizzard_66, Llorens_66, Zabiza_61, Rapunzel97_68, YoureAdopted_66, Piatt_66, Beezoo_68, Mynx_68, Asayake_66, Ganymede_66, MacKat_62, AlishaPH_66, Pisa4_60, Anma_68, Twitch_66, Jarvi_66, Emerson_68, Adephagia_66, Urkel_67, BarrelRoll_67, Pisa1_66, Bella96_67, CREW_66, DartGoblin_69, TruffulaTree_67, JAWS_67, Atiba_67, QuincyRose_64, Capricorn_66, Dalmuri_66, Sulley_66, SamuelLPlaqson_67, Slimphazie_67, MeaningOfLife_67, Adonis_66, Topper_66, BEEST_66
• Track 302 : Efra2_72
• Track 303 : Megsy_69
• Track 304 : CheetoDust_66, BaghaKamala_66, Bern_68
• Track 305 : TingHuaYa_70, LastHope_71
• Track 306 : TreyKay_68, LindNT_66, CrimD_68, Prithvi_68
• Track 307 : Curiosium_70
• Track 308 : Validus_71
• Track 309 : Stinson_68, Devera_74, Murucutumbu_68, LaterM_67, Ageofdapage_70, Illumine_72, Dole_72
• Track 310 : Apocalypse_69
• Track 311 : Scarlett_71, Oscar_70, KiSi_71
• Track 312 : Shaobing_69, McMater_69, Niklas_69, Peanam_69, Richo_69, Dartin_69
• Track 313 : TaiwanKao_69
• Track 314 : Guanica15_71, Yunkel11_71
• Track 315 : Chris_69
• Track 316 : Anaya_69
• Track 317 : Nibb_69
• Track 318 : LeMond_70
• Track 319 : MarkPhew_69
• Track 320 : Chavito_69
• Track 321 : Tiri_67
• Track 322 : Marcoliusprime_69, DismalStressor_69, DismalFunk_69
• Track 323 : Strobilo_70, Milly_69, Doughnut_69, Findley_69
• Track 324 : ZoeJ_68
• Track 325 : BoostSeason_69
• Track 326 : Mufasa_69
• Track 327 : TM4_67
• Track 328 : ShedlockHolmes_69, Hurricane_68, Lea83_68
• Track 329 : Pixie_67, TBond007_64
• Track 330 : MacnCheese_70
• Track 331 : Pharb_67, TribleTrouble_68
• Track 332 : Juliette_72, DanSyl44_73, Qhanda_72, Kraw_70, Chancellor_70, Cheetobro_70, Fionnbharth_70, Wintermute_70, Lebo14_69, Malthus_71, SamScheppers_68, Slarp_70

• Track 333 : Eponine_72
• Track 334 : Taquito_69
• Track 335 : MissDaisy_67
• Track 336 : Bobquesha_71, Patt_66
• Track 337 : Mitti_70
• Track 338 : YasnayaPolyana_69
• Track 339 : Reptar3000_67
• Track 340 : Edugator_59, Leston_60, Paola_60, Guillsminger_61, Neighly_62, Larva_61
• Track 341 : Thyatira_63, SoSeph_61, Feyre_63, Heftyboy_61, Waterfoul_62
• Track 342 : Rando14_62
• Track 343 : Omnicron_64
• Track 344 : Shadow1_71, Tigress9_73, Syra333_70, Sunflower1121_72
• Track 345 : Unicorn_68, PhelpsODU_68
• Track 346 : Ellie_62, Lavahound_65, Applecrisp_63
• Track 347 : SirPhilip_66
• Track 348 : Bryler_70, Tierra_70, Cain_70, Phrank_70
• Track 349 : Marshawn_66
• Track 350 : Amohnition_66, DarthP_66, Hammy_66
• Track 351 : Ekdilam_63
• Track 352 : November_64
• Track 353 : Ximenita_72
• Track 354 : TClif_68
• Track 355 : Fefferhead_64
• Track 356 : Yuna_71
• Track 357 : Boilgate_63
• Track 358 : Tourach_32, Baoshan_31
• Track 359 : Breezona_32, Underpass_32, Winky_32, Vetrix_32, Gardann_32, Itos_32, Crossroads_32, DrSeegs_32, Finemlucis_32, Faith1_32, MkaliMitinis3_32, Gabriela_32, Netyap_32, Wilder_32, Loadrie_32, BigCheese_32, BobsGarage_32, GuuelaD_32, Miley16_32, Wigglewiggle_32, Nicholasp3_32
• Track 360 : Archie_32, Bazzle_32
• Track 361 : LilDestine_32
• Track 362 : Samty_31, Clautastrophe_31, Kingsolomon_31, TriFive_31, Nicholas_31, Lumos_31, MiniLon_31, MiniMac_31, Snenia_31, Finnry_31, MsGreen_31, Lolly9_31, Jubie_31, Bellis_31
• Track 363 : LiyuLake_31, Ellson_31, DuncansLeg_31
• Track 364 : Krypton555_31
• Track 365 : Red305_31
• Track 366 : Whirlwind_32
• Track 367 : Bromden_32
• Track 368 : Kropertea_30, Chaser_30, DyoEdafos_31
• Track 369 : Douge_30
• Track 370 : TyDawg_39, Skinny_40, Glaske16_40, Diminimus_40, Bongo_39, LilhomieP_38, Bricole_39, IPhane7_39, Izel_40, Dulcita_40, PegLeg_39
• Track 371 : Auspice_39, SlimJimmy_38, TpudiCK_41, FreakyGoo_40, KleverKiS_40
• Track 372 : Reindeer_39
• Track 373 : GenevaB15_44, Aziz_44
• Track 374 : MrMagoo_44, GardenSalsa_44
• Track 375 : Rey_44
• Track 376 : Estes_45
• Track 377 : Nanosmite_44

• Track 378 : Raymond7_49, BabeRuth_56, Snekmaggedon_49, ShrimpFriedEgg_55, Jamie19_49, Redi_55, PhancyPhin_55, SpongeBob_49, Phrann_52, Spinach_55, Nenae_55, Purgamenstris_55, Hanako_55, Andies_48, Tapioca_52
• Track 379 : EGUnicorn_48, Phloss_48, Tortoise12_49, Melville_53, Gex_50, Schnauzer_51, Magsby_50, Xerxes_50, Pipsqueaks_50, Carcharodon_50, Fulbright_49, Chewbacca_52, Tessdabest_51, Parmesanjohn_50, Silvafighter_51, Duplicity_50, Smurph_50
• Track 380 : Panchino_48, Rubeelu_53, Butters_53, Kevin1_52
• Track 381 : Journey_52
• Track 382 : Shweta_51
• Track 383 : Charlie_51, Bosection6_49
• Track 384 : Impisi_56
• Track 385 : Riparian_40, Papyrus_40, Weiss13_40, Rope_40
• Track 386 : Zenon_41, Yelo_40, Send513_40, Candle_40, Nilo_41
• Track 387 : MontyDev_40
• Track 388 : Stellammi_39
• Track 389 : Laure_112
• Track 390 : Cosmo_53, EniyanLRS_50, Azrael100_52, MaryV_53, Wildcat_53
• Track 391 : Kumao_40
• Track 392 : Mbo4_60
• Track 393 : Footloose_59
• Track 394 : Tailonex_48
• Track 395 : BFK20_ORF53
• Track 396 : DS6A_74
• Track 397 : Yappy_50

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

The start number called the most often in the published annotations is 127, it was called in 245 of the 1009 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 244_39, A3Wally_218, ABCat_36, Adnama_40, Amao_37, AmericanBeauty_39, Archie_32, Argent26_39, Artu_100, Asriel_36, Atuin_102, Auspice_39, Aziz_44, Azrael100_52, BAKA_56, BadStone_36, Bagrid_51, Balomoji_36, Baoshan_31, Barbarian_36, Bask21_37, Bazzle_32, Becksu_37, Beem_52, Bellis_31, Bench_39, Big4_204, BigBubba_38, BigCheese_32, BilboSwaggins_37, Bloom_112, Bobby_51, BobsGarage_32, Bombitas_49, BooTeria_104, Breezona_32, Brewer_37, Bromden_32, Bruin_37, Buck_36, BugsBunny_35, Cactus_38, Cece_195, Chaser_30, Chilliams_107, ChosenOne_37, ChotaBhai_37, Cjw1_37, Clautastrophe_31, Command613_38, Constella_44, Contagion_36, Cookies_37, Cosmo_53, Crossroads_32, CrystalP_37, Czyszczon1_38, Daikon_36, Dallas_54, DmpstrDiver_53, DoctorDiddles_37, Dodo_218, Douge_30, Dove_49, DrDrey_38, DrSeegs_32, Duke13_55, Dumbo_37, DuncansLeg_31, DunneganBoMo_97, Dusk_36, DyoEdafos_31, Easy2Say_39, Ejimix_52, Elite2014_36, Ellewin_99, Ellson_31, Elph10_38, Emmetator_100, Emmina_38, EniyanLRS_50, Erasmago_208, EricMillard_52, Estes_45, Faith1_32, Filch_38, Finemlucis_32, Finnry_31, FireRed_37, FloraSnap32_108, Flypotenuse_35, FoghornLeghorn_36, FreakyGoo_40, FrostedClock_111, Gabriela_32, Gage_39, Gardann_32, GardenSalsa_44, Gator_35, Gemini_40, GenevaB15_44, Glexan_35,

GoldenEssence_94, GoldenSpark_39, Goldilocks_38, GooberAzure_39, Greely_81, Greep_38, GuuelaD_32, Halley_52, HanKaySha_38, Hannaconda_48, Harella_36, Henry_38, Highbury_38, HokkenD_45, Holt_38, Hoonter_39, Hopey_39, HufflyPuff_36, Hughesyang_50, Hurricane_68, Icee_36, Inca_36, Indlulamithi_37, Itos_32, JeTaime_39, Jubie_31, JuicyJay_54, KSunshine22_102, Kalah2_52, Kanye_39, KashFlow_45, Kimchi_39, Kingsolomon_31, Klein_52, KleverKiS_40, Kostya_38, Kropertea_30, Krypton555_31, Lea83_68, LeoJr_107, LilDestine_32, Lilac_39, Lilizi_39, Lilpickle_36, LiyuLake_31, Loadrie_32, Lolly9_31, Lumos_31, MISSy_36, MPhalcon_36, MaGuCo_34, MacnCheese_70, MadamMonkfish_37, Manda_38, Marshmallow_37, MaryV_53, Maureen_36, Maxxinista_38, Miley16_32, Mimi_108, Mindy_37, Minerva_58, MiniLon_31, MiniMac_31, Miniwave_37, Misfit_37, MissSwiss_32, MkaliMitinis3_32, Moldemort_38, MollyToe_37, Mosby_36, MrMagoo_44, MsGreen_31, Murica_36, Murphy_38, Myrale_37, Myrna_77, Nala_37, Nanosmite_44, NelitzaMV_37, Netyap_32, Nibley_46, Nicholas_31, Nicholasp3_32, NihilNomen_51, Nimrod_37, NoSleep_38, NonchalantPear_37, Odette_52, Optimus_57, OrionPax_38, Orkz_49, PaddyBaddy_38, Palpatine_37, Panchaali_99, Paperbeatsrock_39, Pat3_36, Patbob_107, PauloDiaboli_218, Petra64142_39, Phabba_83, Pharb_67, Pharsalus_38, PhatBacter_37, Phaux_36, Phoebus_51, Phrampa_101, Phrux_37, Pixie_67, Policronamos_37, Porky_37, Pound_54, Ptowny_38, Pumpernickel_201, Pumpkin_39, Quallification_38, Racecar_109, Rakim_38, Rearden_46, Redno2_50, ReginaGlobina_107, Rimmer_36, RiverMonster_37, Rockabye_113, SJReid_112, Saints25_38, Samty_31, Sassay_36, Schatzie_49, ShamWow_37, ShedlockHolmes_69, Simpliphy_38, SirDuracell_36, SlimJimmy_38, Snenia_31, SophKB_37, Sotrice96_37, Stank_40, Stark_38, StellaBean_37, Stewart25555_99, StolenFromERC_39, StormChicken_37, TBond007_64, TBrady12_39, TMaxx_3, Talia1610_108, Tarkin_39, TeamEdward_37, TeardropMSU_36, Teaspoon_38, Terminus_37, Thimble_37, ThreeRngTarjay_50, Thresher_38, Tomaszewski_36, Toto_37, Tourach_32, TpudiCK_41, Traaww1_35, TriFive_31, TribleTrouble_68, Tuco_38, Ukulele_37, Underpass_32, VResidence_33, Vetrix_32, WaddleDee_95, Wanda_58, Whirlwind_32, Wiggin_40, Wigglewiggle_32, Wildcat_53, Wilder_32, Willez_36, Winky_32, Xandras_39, Xiaokay_47, YassJohnny_38, Yeet_50, Youngblood_37, Zelink_53, Zooman_185, xkcd_38,

Genes that have the "Most Annotated" start but do not call it:
• Agamotto_5, Bongo_39, Bricole_39, Diminimus_40, Dulcita_40, Glaske16_40, IPhane7_39, Izel_40, Jinkies_45, Kumao_40, LilhomieP_38, PegLeg_39, Red305_31, Reindeer_39, Skinny_40, TyDawg_39, Yappy_50,

Genes that do not have the "Most Annotated" start:
• 40AC_59, A6_54, AEgle_32, AFIS_58, AGrandiflora_34, AN9_61, ANI8_61, AbbyPaige_60, Abbyshoes_63, Abrogate_610, Abscondus_124, Acme_64, Acolyte_53, ActinUp_66, AddiRose_51, Adephagia_66, Adolin_32, Adonis_66, Adumb2043_32, Adzzy_59, Aeneas_65, Agaliana_56, Agape74_60, Ageofdapage_70, AinMach_35, AirForce1_46, Ajay_62, Akoni_9, Aldrich_58, Alex44_9, AlishaPH_66, Aliter_58, Alma_58, AloeVera_9, Alsfro_68, Altman_64, Alvin_62, Amohnition_66, Amploria_32, Amyev_33, Anaya_69, Anaysia_64, Andies_48, Aneem_58, Angelica_66, Anglerfish_62, Anma_68, AnnabelLee_3, Anon_61, Anselm_59, Anthony_54, Aphelion_125, Apocalypse_69, Applecrisp_63, Applejack_60, ArMaWen_9, Arcanine_64, Ariel_51, Arissanae_57, Asa16_34, Asayake_66, Ascela_34, Ashballer_65, Ashes_31, Ashton_9, Astartes_9, Atiba_67, Atkinbua_64, Atraxi_9, Audell_6, Ayanochan_59, BEEST_66, BFK20_ORF53, BGlluviae_66, BK1_54, BPBiebs31_64, BabeRuth_56, BaboJay_37, Bachita_128,

Bachome_59, BaconJack_66, BaghaKamala_66, Banquo_62, Bantam_85, BarnCat_46, Barnstormer_41, BarrelRoll_67, Barriga_65, Barroma_9, BarrowTuph_63, Battleship_66, Beatrix_61, Beaupre_31, Beemo_58, BeesKnees_64, Beezoo_68, Bella96_67, Belladonna_66, Bellris_57, Benvolio_55, Bern_68, Berrie_34, Bethlehem_61, Bexan_59, Big3_63, BigPaolini_59, Bigchungi_61, Bigfoot_54, BillKnuckles_59, Biozilla_9, Bircsak_61, Birdfeeder_9, BlackJade_54, Blackflame_58, Blesser_58, Blizzard_66, Blue_61, Bluvara_58, BobSwaget_54, Bobquesha_71, Bogg_38, BogosyJay_57, Boiiii_66, Boilgate_63, Boohoo_64, BoostSeason_69, Bosection6_49, Bowtie_58, Bradman_57, BrutonGaster_100, Bryler_70, Bud_57, Bugsy_60, Burton_63, Butters_53, Buttons_59, Bxb1_56, C3_56, CREW_66, CactusRose_62, Cain_70, CallaLilly_66, Candle_40, Cappuccino_31, Capricorn_66, Caraxes_58, Carcharodon_50, CardboardBox_3, Cardigan_134, Carlyle_62, Caron_44, CartmannCramer_60, CaseJules_68, Cassia_34, Cassita_54, CatBus_58, Catalina_59, Catfish_63, Celestialunch_57, Cen1621_38, ChamoyPickle_3, Chanagan_56, Chancellor_70, Charlie_51, Charm_56, Chavito_69, Che12_59, CheetoDust_66, Cheetobro_70, CherryTomatoes_78, Chewbacca_52, ChipMunk_60, ChipsNGuac_3, Chris_69, ChristmasHams_56, Ciao_60, CliffHanger_37, Clipper_70, ClubL_125, CogOmlette_57, Community_34, ConceptII_64, Conditioner_9, Conquerage_58, Corn21_9, Corvo_63, Count_87, Courthouse_51, Crewmate_37, CrimD_68, Crucio_58, CrunchyBoi_10, Cucurbita_126, Culver_125, Curiosium_70, Cyan_33, D29_56, D32_59, DBQu4n_60, DD5_60, DS6A_74, Daddyjeff_52, Dalmatian_59, Dalmuri_66, DanSyl44_73, Dardanus_57, Daredevil_75, Darrell_60, DartGoblin_69, DarthP_66, DarthPhader_54, Dartin_69, Dashyla_9, DatBoi_82, Deby_67, DekHockey33_65, Devera_74, Dexes_62, Dignity_60, DinoDaryn_63, DirtDevil_60, DismalFunk_69, DismalStressor_69, Divya_49, Dole_72, Donkey_31, Doom_60, Doughnut_69, DrFeelGood_58, DrHayes_67, DrManhattan_32, DrSierra_32, DreamTeam1_56, Dreamboat_63, DudeLittle_57, Dulcie_62, DumpQuist_9, Duplicity_50, Duplo_60, Durfee_66, Dussy_62, Dusty_122, Dynamix_64, EGUnicorn_48, EagleEye_60, Ebony_57, Echild_58, Edtherson_61, Edugator_59, Eevee_51, Efra2_72, Eidsmoe_58, Ekdilam_63, Elephantoon_57, Elezi_34, Ellie_62, Emerson_68, Emotion_38, EmyBug_57, Engineer_127, EnzoK_62, Eponine_72, Epsocamisio_61, Eraser_34, Et2Brutus_56, EugeneKrabs_9, Euphoria_60, Eureka_38, EvilGenius_60, ExplosioNervosa_58, Eyeball_64, Ezurina_2, Fajezeel_63, Fameo_58, Fascinus_56, FatCactus_50, Fayely_58, Fede_9, Fefferhead_64, Fenn_64, Feyre_63, Fibonacci_57, Findley_69, Fionnbharth_70, FiringLine_58, FiveHead_43, Flaverint_58, Floof_43, Flutur_33, Footloose_59, Forester_68, Francis47_60, Froghopper_60, Fulbright_49, Fullmetal_9, Fushigi_58, Gachnar_62, GageAP_63, Gambol_31, Gandalf20_64, Ganymede_66, GardenState_42, Geeche_123, Georgie2_59, Geraldini_69, Gerri43_3, Gex_50, Gilberta_58, Giorgio_31, Goib_64, Goku_38, GoldDust_40, Gompeii16_61, Gooberta_40, Graduation_66, GrecoEtereo_61, Greg_63, Gretchen_42, GroundGoblin_59, Gsput1_55, Guanica15_71, Guillsminger_61, Gumpizza_31, Gwendoluna_65, Gyzlar_57, Halsey_31, Hami1_57, Hammy_66, Hanako_55, HedwigODU_66, Heffalump_57, Heftyboy_61, Herbertwm_56, Hermia_60, HippoHollow_58, Hirko_38, HitchHiker_10, Homines_54, Homura_66, Honk_39, Hope4ever_63, HortumSL17_58, Huffy_63, Hutc2_57, Hyperbowlee_66, IAmGroot_42, ILeeKay_64, Ichabod_66, Illumine_72, Impisi_56, Inky_66, Insomnia_58, Inyanga_57, Iqorha_57, Iter_34, IttyBittyPiggy_33, JAWS_67, JC27_65, JSwag_63, Jabith_58, Jamie19_49, Janeemi_35, Jarvi_66, JasmineDragon_39, Jasper_62, Jayhawk_68, Jeckyll_66, Jerm2_64, Jerm_60, JessellCookie_9, Jiawan_56, JimmyPG_9, Joemato_33, JohnDoe_33, JohnThicc_42, JonJames_133, JordanFarm_9, Jorgensen_65, Joselito_58, Journey13_52,

Journey_52, Joy99_66, JoyLin_51, Jsquared_56, Jstan_36, JuliaChild_63, Juliette_72, JuneStar_33, KBG_63, KSSJEB_62, Kalimba_31, Kanely_63, KatherineG_64, Kaylissa_33, KeAlii_33, Kenmech_65, Keough_9, Kerberos_60, Kevin1_52, Keziacharles14_58, KiSi_71, KikiBouba_60, Kimba_57, KingCyrus_60, KingKamren_9, Klodlith_57, Koduck_59, Kosier_9, Kraw_70, Kugel_64, KyMonks1A_65, L5_56, LadyAstra_41, Lamina13_66, Larenn_57, Larva_61, LastHope_71, LastNadiia_6, LastResort_62, LaterM_67, Laure_112, Lavahound_65, LeMond_70, Lebo14_69, LeeroyJenkins_54, Lego_33, Lesedi_58, Leston_60, Levia_60, Leviathan_60, Licorice_63, Lifes_48, LilBib_62, LilTurb_59, Lilleskat_56, LilyLou_9, LindNT_66, LionsBait_60, LittleE_56, Lizalica_32, Llorens_66, Lockley_59, Lokk_55, London_34, LoneWolf_59, Looper_63, Lopton_60, Lozinak_125, Lucivia_58, Lucky2013_51, Lucyedi_59, Lunahalos_66, LunarLander_62, MaCh_58, Mabel_57, Mabodamaca_42, MacKat_62, Magnar_60, Magnito_60, Magsby_50, MajorMajor_57, Makemake_64, Makima_4, Malec_58, Malthus_71, Maminiaina_57, Manatee_62, Marcell_58, Marchy_56, Marco3_65, Marcoliusprime_69, Marge_59, MarkPhew_69, Maroc7_59, Marsha_61, Marshawn_66, MaryBeth_60, Mazun_9, Mbo4_60, McMater_69, McSinger_60, MeaningOfLife_67, MegTheThird_57, Megsy_69, Melville_53, MetalQZJ_59, MiaZeal_51, MiamiPanther_9, Michley_65, Miko_55, MilleFeuille_57, Milly_69, MinecraftSteve_64, MiniMommy_38, Minispark_57, Mireles_3, Miskis_120, MissAmericana_7, MissDaisy_67, MissWhite_57, Mitti_70, Mkhuseli_58, Moleficent_9, Mollymur_85, Monet_65, MontyDev_40, Morrill_9, Moss_31, MrGordo_64, Mryolo_58, Mudpuppy_32, Mufasa_69, Mulciber_57, Mule_59, Munch_58, Murucutumbu_68, Music_39, Mynx_68, Mysterium_31, Myxus_58, NEHalo_59, Naira_64, Naji_60, Nebulosus_62, Nedarya_60, Neighly_62, Nekros_50, Nenae_55, Nerujay_64, Neuvillette_3, Nibb_69, Niklas_69, Nilo_41, Niobe_34, Nitro_33, Niza_64, Norvs_124, Norz_62, NothingSpecial_56, November_64, Noxious_59, Oatly_9, ObiToo_36, Odin_56, Ohno789_62, Omega_56, Omnicron_64, OneUp_110, Onglai_56, Oofda_65, Oogway_61, Orange_57, Origami_41, Oscar_70, PSullivan_60, Pabst_9, PackMan_57, Padfoot_66, Padpat_69, PainterBoy_59, Panchino_48, Paola_60, Papez_64, Papyrus_40, Paraselene_60, Pari_65, Parmesanjohn_50, PascalRango_60, Patt_66, PattyP_64, Payneful_60, Peanam_69, Peel_66, Pelly_63, Pepe_60, Percival_43, Perseus_61, Petersenfast_56, Peterson_66, Petruchio_62, Ph8s_59, Phaeder_58, PhancyPhin_55, Pharaoh_53, Pharky_9, Phedro_9, PhelpsODU_68, PherrisBueller_61, PhineBark_62, PhinkBoden_125, Phives_35, Phlei_47, Phlippers_58, Phloss_48, Phogo_9, Phonnegut_58, Phractured_9, Phrank_70, Phrann_52, PhriedRice_9, PhrostyMug_62, Piatt_66, PineapplePluto_10, PinkPlastic_62, Pinto_62, Pioneer_58, Pippin15_52, Pippin_62, Pipsqueaks_50, Pisa1_66, Pisa4_60, Pita2_63, Pixelle_33, Pokerus_66, Pollywog_85, Pomar16_60, Porcelain_50, PowerRanger_60, Power_57, Powerpuff_35, Prithvi_68, Priya_58, Pumpkins_33, Pupper_77, Puppet_60, Purgamenstris_55, QTRlifeCrisis_62, Qhanda_72, Qobbit_58, QueenB2_57, QueenBeesly_58, QuincyRose_64, Quokka_56, Rachaly_57, Rahalelujah_58, Rajelicia_62, Ramen_67, Rando14_62, Rapunzel97_68, Ravana_67, Raymond7_49, ReMo_62, Redi_55, Reedo_32, Refuge_56, Remus_64, Reptar3000_67, Retro23_59, Rey_44, Rhynn_60, Richo_69, RicoCaldo_9, RidgeCB_61, Ringer_62, Riparian_40, Roberts_3, RockScotty_31, Rope_40, Rosalind_62, Rosmarinus_66, Rubeelu_53, Rubeus_60, Rufus_63, Ruotula_64, Rutherferd_64, RyeScarlet_59, SCentae_76, STLscum_70, Sabourin_31, Sachima_55, Sagefire_64, Salvatore2000_9, Salz_56, SamScheppers_68, SamuelLPlaqson_67, Sandaddy_58, Sanya_57, SarFire_61, Saskia_58, Scarlett_71, Schaffner_33, Scherzo_58, Schnauzer_51, ScoobyDoobyDoo_73, Scowl_63, SemperFi_59, Send513_40, Serenabean_52, Serenity_58, Shadow1_71, ShakeItOph_39, Sham4_57, Shaobing_69, ShayRa_64,

Shayna_36, SheaKeira_56, ShiaSurprise_67, ShortQueendom_54, ShrimpFriedEgg_55, Shweta_51, ShyRosie_9, Silvafighter_51, Simpson_35, SirPhilip_66, Skelbel_35, Skog_140, Slagathor_64, Slarp_70, Slimphazie_67, Smairt_64, Smeagan_61, Smeagol_64, Smoothie_126, Smurph_50, SnapTap_58, Snape_57, Snazzy_60, Snek_33, Snekmaggedon_49, SoSeph_61, SoilSleuth_9, Solon_61, Sooty_31, Sorpresa_59, Sorvannah_9, Soups_64, SpecialK_31, SpeedDemon_860, SpikeBT_60, Spinach_55, Splinter_63, Spock_66, SpongeBob_49, Spouty_58, Squee_63, StagePhright_9, StarStuff_60, Steamy_54, Stellammi_39, StewieG_57, Stinson_68, Stormbreaker_9, Strobilo_70, StrongArm_60, Strosahl_64, Stuck_67, Studio_2, Stuu_31, SuMoo_44, Subaru_35, Sue2_34, Sulley_66, Sumter_58, Sunflower1121_72, SunnyD_36, SunnyJune_47, Sunshine924_67, SuperHands_42, Superchunk_56, Superphikiman_51, Sweetclover_51, SweetiePie_58, SwirlSquare_61, SwissCheezer_9, Switzerland_63, Swole_63, Syra333_70, TClif_68, TM4_67, TZGordon_64, Tachez_66, Tailonex_48, TaiwanKao_69, Tallboi_33, Tapioca_52, Taquito_69, Target_64, Tbone_32, Teagster_37, Teodoridan_60, Tessdabest_51, TforTroy_34, TheloniousMonk_65, Thibault_45, ThirteenKH_9, Thonko_81, Thor_61, ThursdayNight_37, Thyatira_63, Tian_33, TicTac_9, Tierra_70, Tigress9_73, Timothy_57, TinaLin_62, TingHuaYa_70, TiniBug_67, TinyTimmy_57, TinyTimothy_9, TipsytheTRex_54, Tiri_67, Toaka_58, Tomathan_60, Toniann_125, Topper_66, Tortoise12_49, Tote_58, Towmatter_75, Traft412_64, Travvers_60, Treddle_63, TreyKay_68, Tripl3t_65, TripleC_6, TrippleS_9, Trouble_63, TruffulaTree_67, Truong_9, Tubs_58, Tuck_36, Turab_32, Turbido_59, Turj99_60, Tutumahutu_33, Tweety19_33, Twitch_66, TwoPeat_63, Ugenie5_55, Unicorn_68, Unphazed_9, Urkel_67, UtzChips_41, VC3_61, Validus_71, Vanisoa_58, Veliki_68, Vendetta_63, Vibaki_39, Violet_60, Vitus_40, VroomVroom_39, Waits_64, Warda_33, Warrior24_66, WaterT_52, Waterfoul_62, Waterlily_9, Weiss13_40, Wesak_9, Whabigail7_59, Wheeler_64, Whitspit_58, Wildwest_33, WilliamBoone_123, Wintermute_70, Wolpertinger_56, WorldCup_57, Xerxes_50, Ximenita_72, Xitlalli_9, Yafa_9, Yang_33, YasnayaPolyana_69, Yecey3_59, YellowPanda_9, Yelo_40, YesChef_33, Yotsuba_51, YoureAdopted_66, Yuna_71, Yunkel11_71, Yvonnetastic_129, Zabiza_61, Zavala_69, Zenon_41, Zeta1847_35, Zeuska_67, Zhengyi_9, Zimmer_55, ZoeJ_68,

Summary by start number:

Start 64:
• Found in 4 of 1183 (0.3%) of genes in pham
• Manual Annotations of this start: 4 of 1009
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AN9_61 (A2), ANI8_61 (A2), C3_56 (A2), VC3_61 (A2),

Start 82:
• Found in 11 of 1183 (0.9%) of genes in pham
• Manual Annotations of this start: 6 of 1009
• Called 54.5% of time when present
• Phage (with cluster) where this start called: Atkinbua_64 (A1), Makemake_64 (A1), Pinto_62 (A1), Pollywog_85 (F1), RidgeCB_61 (A1), Rufus_63 (A1),

Start 83:
• Found in 156 of 1183 (13.2%) of genes in pham
• Manual Annotations of this start: 30 of 1009
• Called 19.2% of time when present

• Phage (with cluster) where this start called: Acme_64 (A1), Aeneas_65 (A1), Anglerfish_62 (A1), BPBiebs31_64 (A1), Bethlehem_61 (A1), BillKnuckles_59 (A1), Buttons_59 (A1), Dynamix_64 (A1), Fajezeel_63 (A1), Fascinus_56 (A1), Fushigi_58 (A1), Greg_63 (A1), KBG_63 (A1), KSSJEB_62 (A1), Kenmech_65 (A1), Kugel_64 (A1), Lamina13_66 (A1), Manatee_62 (A1), Maroc7_59 (A1), Papez_64 (A1), PattyP_64 (A1), PhrostyMug_62 (A1), Pippin_62 (A1), Pita2_63 (A1), Rhynn_60 (A1), Rutherferd_64 (A1), SarFire_61 (A1), Scowl_63 (A1), Treddle_63 (A1), Trouble_63 (A1),

Start 84:
• Found in 176 of 1183 (14.9%) of genes in pham
• Manual Annotations of this start: 118 of 1009
• Called 79.0% of time when present
• Phage (with cluster) where this start called: A6_54 (A1), AFIS_58 (A1), Abbyshoes_63 (A1), Agaliana_56 (A1), Ajay_62 (A1), Aldrich_58 (A1), Alsfro_68 (A1), Altman_64 (A1), Alvin_62 (A1), Arcanine_64 (A1), Ashballer_65 (A1), BK1_54 (A1), BaconJack_66 (A1), Barriga_65 (A1), BarrowTuph_63 (A1), Beatrix_61 (A1), BeesKnees_64 (A1), Bexan_59 (A1), Big3_63 (A1), BigPaolini_59 (A1), Bigchungi_61 (A1), Bigfoot_54 (A1), Bircsak_61 (A1), Blackflame_58 (A1), Blesser_58 (A1), Burton_63 (A1), Bxb1_56 (A1), CactusRose_62 (A1), Carlyle_62 (A1), CartmannCramer_60 (A1), CatBus_58 (A1), Chanagan_56 (A1), ChristmasHams_56 (A1), Ciao_60 (A1), ConceptII_64 (A1), Corvo_63 (A1), DD5_60 (A1), Dexes_62 (A1), DirtDevil_60 (A1), Doom_60 (A1), Dreamboat_63 (A1), Dussy_62 (A1), Edtherson_61 (A1), EnzoK_62 (A1), Euphoria_60 (A1), Eyeball_64 (A1), Fenn_64 (A1), Francis47_60 (A1), Froghopper_60 (A1), Gachnar_62 (A1), GageAP_63 (A1), Gandalf20_64 (A1), Gompeii16_61 (A1), Graduation_66 (A1), GrecoEtereo_61 (A1), GroundGoblin_59 (A1), Hami1_57 (A1), Hermia_60 (A1), Homines_54 (A1), Hope4ever_63 (A1), ILeeKay_64 (A1), Ichabod_66 (A1), Inyanga_57 (A1), Iqorha_57 (A1), JC27_65 (A1), Jasper_62 (A1), Jerm2_64 (A1), Jorgensen_65 (A1), JuliaChild_63 (A1), Kanely_63 (A1), KikiBouba_60 (A1), Lesedi_58 (A1), Levia_60 (A1), Licorice_63 (A1), LilBib_62 (A1), Lockley_59 (A1), LunarLander_62 (A1), Marcell_58 (A1), Marchy_56 (A1), Marco3_65 (A1), Marge_59 (A1), Marsha_61 (A1), MaryBeth_60 (A1), McSinger_60 (A1), MetalQZJ_59 (A1), Michley_65 (A1), Monet_65 (A1), MrGordo_64 (A1), Mule_59 (A1), NEHalo_59 (A1), Naira_64 (A1), Nerujay_64 (A1), Niza_64 (A1), Norz_62 (A1), Noxious_59 (A1), Ohno789_62 (A1), PSullivan_60 (A1), Paraselene_60 (A1), Pari_65 (A1), PascalRango_60 (A1), Payneful_60 (A1), Pelly_63 (A1), Pepe_60 (A1), Perseus_61 (A1), Peterson_66 (A1), Petruchio_62 (A1), PherrisBueller_61 (A1), PhineBark_62 (A1), Phlippers_58 (A1), PinkPlastic_62 (A1), PowerRanger_60 (A1), Puppet_60 (A1), QTRlifeCrisis_62 (A1), Rajelicia_62 (A1), Sagefire_64 (A1), ShortQueendom_54 (A1), Slagathor_64 (A1), Smairt_64 (A1), Smeagol_64 (A1), Snazzy_60 (A1), Solon_61 (A1), SpikeBT_60 (A1), Squee_63 (A1), StewieG_57 (A1), StrongArm_60 (A1), Sumter_58 (A1), Sunshine924_67 (A1), Swole_63 (A1), Target_64 (A1), Teodoridan_60 (A1), TheloniousMonk_65 (A1), Thor_61 (A1), Tote_58 (A1), Turj99_60 (A1), TwoPeat_63 (A1), Violet_60 (A1), Wheeler_64 (A1), Whitspit_58 (A1), Zeuska_67 (A1),

Start 87:
• Found in 167 of 1183 (14.1%) of genes in pham
• Manual Annotations of this start: 127 of 1009
• Called 92.2% of time when present
• Phage (with cluster) where this start called: 40AC_59 (A17), AbbyPaige_60 (A2), Acolyte_53 (A2), Adzzy_59 (A2), Agape74_60 (A2), Aliter_58 (A9), Alma_58 (A9), Aneem_58 (A11), Anselm_59 (A2), Anthony_54 (A20), Arissanae_57 (A9),

Ayanochan_59 (A9), Bachome_59 (A11), Beemo_58 (A9), Bellris_57 (A9), Benvolio_55 (A2), BobSwaget_54 (A2), BogosyJay_57 (A9), Bowtie_58 (A11), Bradman_57 (A2), Bud_57 (A11), Bugsy_60 (A2), Caraxes_58 (A2), Catalina_59 (A9), Celestialunch_57 (A9), Charm_56 (A9), Che12_59 (A2), ChipMunk_60 (A2), CogOmlette_57 (A9), Conquerage_58 (A9), Crucio_58 (A2), D29_56 (A2), D32_59 (A2), DBQu4n_60 (A2), Dalmatian_59 (A2), Darrell_60 (A9), DarthPhader_54 (A12), Dignity_60 (A2), DreamTeam1_56 (A9), DudeLittle_57 (A2), Duplo_60 (A2), EagleEye_60 (A16), Ebony_57 (A11), Echild_58 (A2), Eidsmoe_58 (A9), Elephantoon_57 (A9), EmyBug_57 (A9), Et2Brutus_56 (A11), EvilGenius_60 (A2), Fameo_58 (A2), FatCactus_50 (A20), Fayely_58 (A9), Fibonacci_57 (A11), FiringLine_58 (A2), Flaverint_58 (A11), Georgie2_59 (A2), Gilberta_58 (A11), Heffalump_57 (A2), Herbertwm_56 (A2), HippoHollow_58 (A2), HortumSL17_58 (A9), Hutc2_57 (A11), Insomnia_58 (A11), Jabith_58 (A11), Jerm_60 (A2), Jiawan_56 (A9), Joselito_58 (A11), Journey13_52 (A2), Jsquared_56 (A2), Kerberos_60 (A2), Keziacharles14_58 (A9), Kimba_57 (A11), KingCyrus_60 (A2), Klodlith_57 (A9), Koduck_59 (A2), L5_56 (A2), Larenn_57 (A2), Leviathan_60 (A2), LilTurb_59 (A2), Lilleskat_56 (A9), LionsBait_60 (A2), Lokk_55 (A2), LoneWolf_59 (A9), Lucivia_58 (A11), MaCh_58 (A11), Mabel_57 (A11), MajorMajor_57 (A2), Malec_58 (A2), Maminiaina_57 (A9), MegTheThird_57 (A9), Miko_55 (A2), Minispark_57 (A9), MissWhite_57 (A2), Mulciber_57 (A11), Munch_58 (A11), Myxus_58 (A9), Naji_60 (A2), NothingSpecial_56 (A2), Odin_56 (A2), Onglai_56 (A9), Orange_57 (A11), PackMan_57 (A9), PainterBoy_59 (A16), Petersenfast_56 (A11), Ph8s_59 (A2), Phaeder_58 (A9), Pharaoh_53 (A12), Phlei_47 (A13), Phonnegut_58 (A9), Pioneer_58 (A9), Pomar16_60 (A2), Power_57 (A2), Priya_58 (A9), Qobbit_58 (A9), QueenB2_57 (A2), QueenBeesly_58 (A2), Quokka_56 (A2), Rachaly_57 (A2), Rahalelujah_58 (A9), Refuge_56 (A12), Retro23_59 (A2), RyeScarlet_59 (A9), Sachima_55 (A9), Salz_56 (A11), Saskia_58 (A11), Scherzo_58 (A9), SemperFi_59 (A2), Serenity_58 (A2), Sham4_57 (A11), SheaKeira_56 (A9), Smeagan_61 (A2), SnapTap_58 (A2), Snape_57 (A11), Spouty_58 (A9), StarStuff_60 (A2), Steamy_54 (A12), Superchunk_56 (A2), SweetiePie_58 (A2), SwirlSquare_61 (A2), Timothy_57 (A11), TinyTimmy_57 (A11), TipsytheTRex_54 (A2), Toaka_58 (A9), Tomathan_60 (A2), Travvers_60 (A2), Tubs_58 (A9), Turbido_59 (A2), Ugenie5_55 (A9), Vanisoa_58 (A9), Whabigail7_59 (A2), Wolpertinger_56 (A11), WorldCup_57 (A9), Yecey3_59 (A9), Zimmer_55 (A12),

Start 89:
• Found in 183 of 1183 (15.5%) of genes in pham
• Manual Annotations of this start: 4 of 1009
• Called 2.2% of time when present
• Phage (with cluster) where this start called: Gwendoluna_65 (A1), Gyzlar_57 (A1), Lopton_60 (A1), Rubeus_60 (A1),

Start 90:
• Found in 2 of 1183 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 1009
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Snek_33 (AZ3), Tweety19_33 (AZ3),

Start 92:
• Found in 11 of 1183 (0.9%) of genes in pham
• Manual Annotations of this start: 10 of 1009
• Called 100.0% of time when present

• Phage (with cluster) where this start called: DrFeelGood_58 (A1), Dulcie_62 (A1), KyMonks1A_65 (A1), Magnar_60 (A1), Magnito_60 (A1), Mryolo_58 (A1), Ruotula_64 (A1), Sandaddy_58 (A1), Sorpresa_59 (A1), Traft412_64 (A1), Tripl3t_65 (A1),

Start 96:
• Found in 2 of 1183 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: ThursdayNight_37 (AZ),

Start 99:
• Found in 5 of 1183 (0.4%) of genes in pham
• Manual Annotations of this start: 4 of 1009
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abrogate_610 (A1), Applejack_60 (A1), MilleFeuille_57 (A1), Ringer_62 (A1), STLscum_70 (A1),

Start 100:
• Found in 3 of 1183 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 1009
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Cen1621_38 (EH),

Start 101:
• Found in 5 of 1183 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 1009
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Music_39 (FL), Vibaki_39 (FL), Vitus_40 (FL),

Start 102:
• Found in 1 of 1183 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1009
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Yappy_50 (singleton),

Start 104:
• Found in 5 of 1183 (0.4%) of genes in pham
• Manual Annotations of this start: 4 of 1009
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adumb2043_32 (AZ1), IttyBittyPiggy_33 (AZ1), KeAlii_33 (AZ1), Tallboi_33 (AZ1), Turab_32 (AZ1),

Start 106:
• Found in 2 of 1183 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 1009
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BrutonGaster_100 (CQ2), OneUp_110 (CQ2),

Start 108:
• Found in 61 of 1183 (5.2%) of genes in pham
• Manual Annotations of this start: 27 of 1009

• Called 50.8% of time when present
• Phage (with cluster) where this start called: AGrandiflora_34 (AZ1), Ascela_34 (AZ1), Berrie_34 (AZ1), Cassia_34 (AZ1), Community_34 (AZ1), Cyan_33 (AZ1), DrSierra_32 (AZ1), Flutur_33 (AZ), Iter_34 (AZ1), Janeemi_35 (AZ1), Joemato_33 (AZ1), JohnDoe_33 (AZ1), JuneStar_33 (AZ1), Kaylissa_33 (AZ1), Lego_33 (AZ1), Lizalica_32 (AZ1), Nitro_33 (AZ1), Phives_35 (AZ1), Powerpuff_35 (AZ1), Pumpkins_33 (AZ1), Schaffner_33 (AZ1), Simpson_35 (AZ1), Sue2_34 (AZ1), Tbone_32 (AZ1), TforTroy_34 (AZ1), Tuck_36 (AZ1), Tutumahutu_33 (AZ1), Warda_33 (AZ1), Wildwest_33 (AZ1), Yang_33 (AZ1), YesChef_33 (AZ1),

Start 109:
• Found in 6 of 1183 (0.5%) of genes in pham
• Manual Annotations of this start: 5 of 1009
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amyev_33 (AZ1), Crewmate_37 (AZ1), Mudpuppy_32 (AZ1), ObiToo_36 (AZ1), Pixelle_33 (AZ1), Tian_33 (AZ1),

Start 110:
• Found in 31 of 1183 (2.6%) of genes in pham
• Manual Annotations of this start: 15 of 1009
• Called 67.7% of time when present
• Phage (with cluster) where this start called: AirForce1_46 (FL), BlackJade_54 (FL), Bongo_39 (M1), Bricole_39 (M1), Diminimus_40 (M1), Divya_49 (FL), Dulcita_40 (M1), Glaske16_40 (M1), GoldDust_40 (FL), Gooberta_40 (FL), Hirko_38 (FL), IPhane7_39 (M1), Izel_40 (M1), Jinkies_45 (FL), LilhomieP_38 (M1), PegLeg_39 (M1), Reindeer_39 (M1), Skinny_40 (M1), SunnyJune_47 (FL), Tailonex_48 (singleton), TyDawg_39 (M1),

Start 111:
• Found in 20 of 1183 (1.7%) of genes in pham
• Manual Annotations of this start: 18 of 1009
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_124 (CQ1), Aphelion_125 (CQ1), Bantam_85 (DL), Cardigan_134 (DD), ClubL_125 (CQ1), Culver_125 (CQ1), Daredevil_75 (DL), DatBoi_82 (DL), Dusty_122 (CQ1), Geeche_123 (CQ1), JonJames_133 (DD), Lozinak_125 (CQ1), Miskis_120 (CQ1), Mollymur_85 (DL), Norvs_124 (CQ1), Reedo_32 (AZ1), Smoothie_126 (CQ1), SpeedDemon_860 (DL), Towmatter_75 (DL), Yvonnetastic_129 (DD),

Start 113:
• Found in 7 of 1183 (0.6%) of genes in pham
• Manual Annotations of this start: 3 of 1009
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Journey_52 (N), Nedarya_60 (A15), Shweta_51 (N),

Start 114:
• Found in 8 of 1183 (0.7%) of genes in pham
• Manual Annotations of this start: 6 of 1009
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Bachita_128 (CQ1), Cucurbita_126 (CQ1), Engineer_127 (CQ1), PhinkBoden_125 (CQ1), Toniann_125 (CQ1), WilliamBoone_123 (CQ1),

Start 115:
• Found in 24 of 1183 (2.0%) of genes in pham
• Manual Annotations of this start: 23 of 1009
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anaysia_64 (A15), Anon_61 (A15), Battleship_66 (A15), Boohoo_64 (A15), DekHockey33_65 (A15), Epsocamisio_61 (A15), Floof_43 (EH), JSwag_63 (A15), KatherineG_64 (A15), LastResort_62 (A15), Looper_63 (A15), MinecraftSteve_64 (A15), Nebulosus_62 (A15), Oofda_65 (A15), Ravana_67 (A15), ReMo_62 (A15), Remus_64 (A15), Rosalind_62 (A15), ShayRa_64 (A15), Soups_64 (A15), Strosahl_64 (A15), Switzerland_63 (A15), Waits_64 (A15), Warrior24_66 (A15),

Start 116:
• Found in 19 of 1183 (1.6%) of genes in pham
• Manual Annotations of this start: 17 of 1009
• Called 94.7% of time when present
• Phage (with cluster) where this start called: Ashes_31 (AZ5), BFK20_ORF53 (singleton), Beaupre_31 (AZ5), Cappuccino_31 (AZ5), Donkey_31 (AZ5), Gambol_31 (AZ5), Giorgio_31 (AZ5), Gumpizza_31 (AZ5), Halsey_31 (AZ5), Kalimba_31 (AZ5), Lucyedi_59 (A16), Moss_31 (AZ5), Mysterium_31 (AZ5), RockScotty_31 (AZ5), Sabourin_31 (AZ5), Sooty_31 (AZ5), SpecialK_31 (AZ5), Stuu_31 (AZ5),

Start 117:
• Found in 2 of 1183 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LastNadiia_6 (FR), Makima_4 (FR),

Start 118:
• Found in 39 of 1183 (3.3%) of genes in pham
• Manual Annotations of this start: 37 of 1009
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Andies_48 (N), BabeRuth_56 (N), Bosection6_49 (N), Butters_53 (N), Carcharodon_50 (N), Charlie_51 (N), Chewbacca_52 (N), Duplicity_50 (N), EGUnicorn_48 (N), Fulbright_49 (N), Gex_50 (N), Hanako_55 (N), Impisi_56 (N), Jamie19_49 (N), Kevin1_52 (N), Magsby_50 (N), Melville_53 (N), Nenae_55 (N), Panchino_48 (N), Parmesanjohn_50 (N), PhancyPhin_55 (N), Phloss_48 (N), Phrann_52 (N), Pipsqueaks_50 (N), Purgamenstris_55 (N), Raymond7_49 (N), Redi_55 (N), Rubeelu_53 (N), Schnauzer_51 (N), ShrimpFriedEgg_55 (N), Silvafighter_51 (N), Smurph_50 (N), Snekmaggedon_49 (N), Spinach_55 (N), SpongeBob_49 (N), Tapioca_52 (N), Tessdabest_51 (N), Tortoise12_49 (N), Xerxes_50 (N),

Start 119:
• Found in 90 of 1183 (7.6%) of genes in pham
• Manual Annotations of this start: 71 of 1009
• Called 97.8% of time when present
• Phage (with cluster) where this start called: Akoni_9 (EK2), Alex44_9 (EK1), AloeVera_9 (EK2), ArMaWen_9 (EK1), Ashton_9 (EK2), Astartes_9 (EK2), Atraxi_9 (EK2), Barroma_9 (EK2), Biozilla_9 (EK1), Birdfeeder_9 (EK1), Bobquesha_71 (K4), Boilgate_63 (K8), Chancellor_70 (K4), Cheetobro_70 (K4), Conditioner_9 (EK1), Corn21_9 (EK1), Count_87 (EL), CrunchyBoi_10 (EK1), DanSyl44_73 (K4),

Dashyla_9 (EK1), DumpQuist_9 (EK1), Emotion_38 (AZ4), Eponine_72 (K4), EugeneKrabs_9 (EK), Fede_9 (EK2), Fionnbharth_70 (K4), FiveHead_43 (AZ4), Fullmetal_9 (EK2), HitchHiker_10 (EK1), JasmineDragon_39 (AZ4), JessellCookie_9 (EK1), JohnThicc_42 (AZ4), JordanFarm_9 (EK2), Juliette_72 (K4), Keough_9 (EK2), KingKamren_9 (EK), Kosier_9 (EK2), Kraw_70 (K4), Kumao_40 (singleton), LadyAstra_41 (AZ4), Lebo14_69 (K4), LilyLou_9 (EK1), Malthus_71 (K4), Mazun_9 (EK2), MiamiPanther_9 (EK1), MiniMommy_38 (AZ4), Mitti_70 (K4), Moleficent_9 (EK2), Morrill_9 (EK2), Oatly_9 (EK1), Origami_41 (AZ4), Pabst_9 (EK1), Patt_66 (K4), Pharky_9 (EK2), Phedro_9 (EK2), Phogo_9 (EK1), Phractured_9 (EK2), PhriedRice_9 (EK2), PineapplePluto_10 (EK1), Qhanda_72 (K4), Reptar3000_67 (K4), RicoCaldo_9 (EK2), Salvatore2000_9 (EK1), SamScheppers_68 (K4), ShakeItOph_39 (AZ4), ShyRosie_9 (EK2), Slarp_70 (K4), SoilSleuth_9 (EK2), Sorvannah_9 (EK1), StagePhright_9 (EK2), Stormbreaker_9 (EK1), SwissCheezer_9 (EK1), Taquito_69 (K4), ThirteenKH_9 (EK2), TicTac_9 (EK1), TinyTimothy_9 (EK1), TrippleS_9 (EK2), Truong_9 (EK2), Unphazed_9 (EK1), VroomVroom_39 (AZ4), Waterlily_9 (EK2), Wesak_9 (EK1), Wintermute_70 (K4), Xitlalli_9 (EK1), Yafa_9 (EK2), YasnayaPolyana_69 (K4), YellowPanda_9 (EK1), Zhengyi_9 (EK),

Start 120:
• Found in 1 of 1183 (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: Mireles_3 (FR),

Start 121:
• Found in 155 of 1183 (13.1%) of genes in pham
• Manual Annotations of this start: 15 of 1009
• Called 16.1% of time when present
• Phage (with cluster) where this start called: AnnabelLee_3 (FR), Barnstormer_41 (EH), CardboardBox_3 (FR), Caron_44 (EH), ChamoyPickle_3 (FR), ChipsNGuac_3 (FR), ExplosioNervosa_58 (A9), Ezurina_2 (FR), Forester_68 (EH), GardenState_42 (EH), Gerri43_3 (FR), Gretchen_42 (EH), Honk_39 (EH), IAmGroot_42 (EH), JimmyPG_9 (EK2), Mabodamaca_42 (EH), Neuvillette_3 (FR), Oogway_61 (A1), Percival_43 (EH), Roberts_3 (FR), Studio_2 (FR), SuMoo_44 (EH), SuperHands_42 (EH), UtzChips_41 (EH), Zeta1847_35 (EH),

Start 122:
• Found in 1 of 1183 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1009
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MissAmericana_7 (EM2),

Start 123:
• Found in 10 of 1183 (0.8%) of genes in pham
• Manual Annotations of this start: 9 of 1009
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Candle_40 (R), MontyDev_40 (R), Nilo_41 (R), Papyrus_40 (R), Riparian_40 (R), Rope_40 (R), Send513_40 (R), Weiss13_40 (R), Yelo_40 (R), Zenon_41 (R),

Start 124:
• Found in 40 of 1183 (3.4%) of genes in pham
• Manual Annotations of this start: 24 of 1009

• Called 85.0% of time when present
• Phage (with cluster) where this start called: AEgle_32 (AZ1), AddiRose_51 (JA), Adolin_32 (AZ1), Agamotto_5 (FR), AinMach_35 (AZ7), Amploria_32 (AZ1), Asa16_34 (AZ1), Audell_6 (FR), BaboJay_37 (E), Bogg_38 (E), CliffHanger_37 (EB), Daddyjeff_52 (JA), DrManhattan_32 (AZ1), Eevee_51 (JA), Elezi_34 (AZ1), Eraser_34 (AZ1), Eureka_38 (E), Footloose_59 (singleton), Goku_38 (E), JoyLin_51 (JA), Jstan_36 (AZ1), London_34 (AZ1), Mbo4_60 (singleton), Niobe_34 (AZ1), Pippin15_52 (JA), Serenabean_52 (JA), Shayna_36 (EB), Skelbel_35 (AZ1), Subaru_35 (AZ1), SunnyD_36 (EB), Sweetclover_51 (JA), Teagster_37 (EB), TripleC_6 (FR), Yotsuba_51 (JA),

Start 125:
• Found in 4 of 1183 (0.3%) of genes in pham
• Manual Annotations of this start: 4 of 1009
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CherryTomatoes_78 (DO), Pupper_77 (DO), SCentae_76 (DO), Skog_140 (DO),

Start 126:
• Found in 1 of 1183 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1009
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rey_44 (M2),

Start 127:
• Found in 303 of 1183 (25.6%) of genes in pham
• Manual Annotations of this start: 245 of 1009
• Called 94.4% of time when present
• Phage (with cluster) where this start called: 244_39 (E), A3Wally_218 (GD1), ABCat_36 (E), Adnama_40 (E), Amao_37 (E), AmericanBeauty_39 (E), Archie_32 (L2), Argent26_39 (E), Artu_100 (FC), Asriel_36 (E), Atuin_102 (FC), Auspice_39 (M1), Aziz_44 (M2), Azrael100_52 (V), BAKA_56 (J), BadStone_36 (E), Bagrid_51 (J), Balomoji_36 (E), Baoshan_31 (L2), Barbarian_36 (E), Bask21_37 (E), Bazzle_32 (L2), Becksu_37 (E), Beem_52 (J), Bellis_31 (L3), Bench_39 (E), Big4_204 (GD2), BigBubba_38 (E), BigCheese_32 (L2), BilboSwaggins_37 (E), Bloom_112 (FC), Bobby_51 (J), BobsGarage_32 (L2), Bombitas_49 (J), BooTeria_104 (FC), Breezona_32 (L2), Brewer_37 (E), Bromden_32 (L4), Bruin_37 (E), Buck_36 (E), BugsBunny_35 (E), Cactus_38 (E), Cece_195 (GD3), Chaser_30 (L4), Chilliams_107 (FC), ChosenOne_37 (E), ChotaBhai_37 (E), Cjw1_37 (E), Clautastrophe_31 (L3), Command613_38 (E), Constella_44 (J), Contagion_36 (E), Cookies_37 (E), Cosmo_53 (V), Crossroads_32 (L2), CrystalP_37 (E), Czyszczon1_38 (E), Daikon_36 (E), Dallas_54 (J), DmpstrDiver_53 (J), DoctorDiddles_37 (E), Dodo_218 (GD1), Douge_30 (L4), Dove_49 (J), DrDrey_38 (E), DrSeegs_32 (L2), Duke13_55 (J), Dumbo_37 (E), DuncansLeg_31 (L3), DunneganBoMo_97 (FC), Dusk_36 (E), DyoEdafos_31 (L4), Easy2Say_39 (E), Ejimix_52 (J), Elite2014_36 (E), Ellewin_99 (FC), Ellson_31 (L3), Elph10_38 (E), Emmetator_100 (FC), Emmina_38 (E), EniyanLRS_50 (V), Erasmago_208 (GD2), EricMillard_52 (J), Estes_45 (M2), Faith1_32 (L2), Filch_38 (E), Finemlucis_32 (L2), Finnry_31 (L3), FireRed_37 (E), FloraSnap32_108 (FC), Flypotenuse_35 (E), FoghornLeghorn_36 (E), FreakyGoo_40 (M1), FrostedClock_111 (FC), Gabriela_32 (L2), Gage_39 (E), Gardann_32 (L2), GardenSalsa_44 (M2), Gator_35 (E), Gemini_40 (E), GenevaB15_44 (M2), Glexan_35 (E), GoldenEssence_94 (FC), GoldenSpark_39 (E), Goldilocks_38 (E), GooberAzure_39 (E), Greely_81 (C2), Greep_38 (E), GuuelaD_32 (L2), Halley_52

(J), HanKaySha_38 (E), Hannaconda_48 (J), Harella_36 (E), Henry_38 (E), Highbury_38 (E), HokkenD_45 (J), Holt_38 (E), Hoonter_39 (E), Hopey_39 (E), HufflyPuff_36 (E), Hughesyang_50 (J), Hurricane_68 (K3), Icee_36 (E), Inca_36 (E), Indlulamithi_37 (AC), Itos_32 (L2), JeTaime_39 (E), Jubie_31 (L3), JuicyJay_54 (J), KSunshine22_102 (FC), Kalah2_52 (J), Kanye_39 (E), KashFlow_45 (J), Kimchi_39 (E), Kingsolomon_31 (L3), Klein_52 (J), KleverKiS_40 (M1), Kostya_38 (E), Kropertea_30 (L4), Krypton555_31 (L3), Lea83_68 (K3), LeoJr_107 (FC), LilDestine_32 (L2), Lilac_39 (E), Lilizi_39 (E), Lilpickle_36 (E), LiyuLake_31 (L3), Loadrie_32 (L2), Lolly9_31 (L3), Lumos_31 (L3), MISSy_36 (E), MPhalcon_36 (E), MaGuCo_34 (AZ2), MacnCheese_70 (K3), MadamMonkfish_37 (E), Manda_38 (E), Marshmallow_37 (E), MaryV_53 (V), Maureen_36 (AZ2), Maxxinista_38 (E), Miley16_32 (L2), Mimi_108 (FC), Mindy_37 (E), Minerva_58 (J), MiniLon_31 (L3), MiniMac_31 (L3), Miniwave_37 (E), Misfit_37 (E), MissSwiss_32 (AZ1), MkaliMitinis3_32 (L2), Moldemort_38 (E), MollyToe_37 (E), Mosby_36 (E), MrMagoo_44 (M2), MsGreen_31 (L3), Murica_36 (E), Murphy_38 (E), Myrale_37 (E), Myrna_77 (C2), Nala_37 (E), Nanosmite_44 (M3), NelitzaMV_37 (E), Netyap_32 (L2), Nibley_46 (J), Nicholas_31 (L3), Nicholasp3_32 (L2), NihilNomen_51 (J), Nimrod_37 (E), NoSleep_38 (E), NonchalantPear_37 (E), Odette_52 (J), Optimus_57 (J), OrionPax_38 (E), Orkz_49 (FL), PaddyBaddy_38 (E), Palpatine_37 (E), Panchaali_99 (FC), Paperbeatsrock_39 (E), Pat3_36 (E), Patbob_107 (FC), PauloDiaboli_218 (GD1), Petra64142_39 (E), Phabba_83 (C2), Pharb_67 (K3), Pharsalus_38 (E), PhatBacter_37 (E), Phaux_36 (E), Phoebus_51 (J), Phrampa_101 (FC), Phrux_37 (E), Pixie_67 (K3), Policronamos_37 (E), Porky_37 (E), Pound_54 (J), Ptowny_38 (E), Pumpernickel_201 (GD4), Pumpkin_39 (E), Quallification_38 (E), Racecar_109 (FC), Rakim_38 (E), Rearden_46 (J), Redno2_50 (J), ReginaGlobina_107 (FC), Rimmer_36 (E), RiverMonster_37 (E), Rockabye_113 (FC), SJReid_112 (FC), Saints25_38 (E), Samty_31 (L3), Sassay_36 (E), Schatzie_49 (J), ShamWow_37 (E), ShedlockHolmes_69 (K3), Simpliphy_38 (E), SirDuracell_36 (E), SlimJimmy_38 (M1), Snenia_31 (L3), SophKB_37 (E), Sotrice96_37 (E), Stank_40 (E), Stark_38 (E), StellaBean_37 (E), Stewart25555_99 (FC), StolenFromERC_39 (E), StormChicken_37 (E), TBond007_64 (K3), TBrady12_39 (E), TMaxx_3 (FR), Talia1610_108 (FC), Tarkin_39 (E), TeamEdward_37 (E), TeardropMSU_36 (E), Teaspoon_38 (E), Terminus_37 (E), Thimble_37 (E), ThreeRngTarjay_50 (J), Thresher_38 (E), Tomaszewski_36 (E), Toto_37 (E), Tourach_32 (L2), TpudiCK_41 (M1), Traaww1_35 (E), TriFive_31 (L3), TribleTrouble_68 (K3), Tuco_38 (E), Ukulele_37 (E), Underpass_32 (L2), VResidence_33 (AZ1), Vetrix_32 (L2), WaddleDee_95 (FC), Wanda_58 (J), Whirlwind_32 (L3), Wiggin_40 (E), Wigglewiggle_32 (L2), Wildcat_53 (V), Wilder_32 (L2), Willez_36 (E), Winky_32 (L2), Xandras_39 (E), Xiaokay_47 (J), YassJohnny_38 (E), Yeet_50 (J), Youngblood_37 (E), Zelink_53 (J), Zooman_185 (GD2), xkcd_38 (E),

Start 128:
• Found in 8 of 1183 (0.7%) of genes in pham
• Manual Annotations of this start: 5 of 1009
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Apocalypse_69 (K1), Dartin_69 (K1), McMater_69 (K1), Niklas_69 (K1), Peanam_69 (K1), Richo_69 (K1), Shaobing_69 (K1), Validus_71 (K1),

Start 129:
• Found in 174 of 1183 (14.7%) of genes in pham
• Manual Annotations of this start: 146 of 1009
• Called 90.2% of time when present

• Phage (with cluster) where this start called: ActinUp_66 (K1), Adephagia_66 (K1), Adonis_66 (K1), Ageofdapage_70 (K1), AlishaPH_66 (K1), Amohnition_66 (K6), Anaya_69 (K1), Angelica_66 (K1), Anma_68 (K1), Applecrisp_63 (K6), Asayake_66 (K1), Atiba_67 (K1), BEEST_66 (K1), BGlluviae_66 (K1), BaghaKamala_66 (K1), BarnCat_46 (GB), BarrelRoll_67 (K1), Beezoo_68 (K1), Bella96_67 (K1), Belladonna_66 (K1), Bern_68 (K1), Blizzard_66 (K1), Boiiii_66 (K1), BoostSeason_69 (K2), Bryler_70 (K6), CREW_66 (K1), Cain_70 (K6), CallaLilly_66 (K1), Capricorn_66 (K1), CaseJules_68 (K1), Cassita_54 (GB), Chavito_69 (K1), CheetoDust_66 (K1), Chris_69 (K1), Clipper_70 (K1), CrimD_68 (K1), Curiosium_70 (K1), DS6A_74 (singleton), Dalmuri_66 (K1), DartGoblin_69 (K1), DarthP_66 (K6), Deby_67 (K1), Devera_74 (K1), DismalFunk_69 (K2), DismalStressor_69 (K2), Dole_72 (K1), Doughnut_69 (K2), DrHayes_67 (K1), Durfee_66 (K1), Edugator_59 (K5), Efra2_72 (K1), Ekdilam_63 (K6), Ellie_62 (K6), Emerson_68 (K1), Fefferhead_64 (K6), Feyre_63 (K5), Findley_69 (K2), Ganymede_66 (K1), Geraldini_69 (K1), Guanica15_71 (K1), Guillsminger_61 (K5), Hammy_66 (K6), HedwigODU_66 (K1), Heftyboy_61 (K5), Homura_66 (K1), Hyperbowlee_66 (K1), Illumine_72 (K1), Inky_66 (K1), JAWS_67 (K1), Jarvi_66 (K1), Jayhawk_68 (K1), Jeckyll_66 (K1), Joy99_66 (K1), KiSi_71 (K1), Larva_61 (K5), LastHope_71 (K1), LaterM_67 (K1), Laure_112 (UNK), Lavahound_65 (K6), LeMond_70 (K1), LeeroyJenkins_54 (GB), Leston_60 (K5), Lifes_48 (GB), LindNT_66 (K1), Llorens_66 (K1), Lunahalos_66 (K1), MacKat_62 (K1), Marcoliusprime_69 (K2), MarkPhew_69 (K1), Marshawn_66 (K6), MeaningOfLife_67 (K1), Megsy_69 (K1), Milly_69 (K2), Mufasa_69 (K2), Murucutumbu_68 (K1), Mynx_68 (K1), Neighly_62 (K3), Nibb_69 (K1), November_64 (K6), Omnicron_64 (K5), Oscar_70 (K1), Padfoot_66 (K1), Padpat_69 (K1), Paola_60 (K5), Peel_66 (K1), PhelpsODU_68 (K6), Phrank_70 (K6), Piatt_66 (K1), Pisa1_66 (K1), Pisa4_60 (K1), Pokerus_66 (K1), Prithvi_68 (K1), QuincyRose_64 (K1), Ramen_67 (K1), Rando14_62 (K5), Rapunzel97_68 (K1), Rosmarinus_66 (K1), SamuelLPlaqson_67 (K1), Scarlett_71 (K1), ScoobyDoobyDoo_73 (C2), Shadow1_71 (K6), ShiaSurprise_67 (K1), SirPhilip_66 (K6), Slimphazie_67 (K1), SoSeph_61 (K5), Spock_66 (K1), Stinson_68 (K1), Strobilo_70 (K2), Sulley_66 (K1), Sunflower1121_72 (K6), Syra333_70 (K6), TClif_68 (K6), TM4_67 (K2), Tachez_66 (K1), TaiwanKao_69 (K1), Thyatira_63 (K5), Tierra_70 (K6), Tigress9_73 (K6), TingHuaYa_70 (K1), TiniBug_67 (K1), Tiri_67 (K1), Topper_66 (K1), TreyKay_68 (K1), TruffulaTree_67 (K1), Twitch_66 (K1), Unicorn_68 (K6), Urkel_67 (K1), Veliki_68 (K1), WaterT_52 (GB), Waterfoul_62 (K5), Ximenita_72 (K6), YoureAdopted_66 (K1), Yuna_71 (K6), Yunkel11_71 (K1), Zabiza_61 (K1), Zavala_69 (K1), ZoeJ_68 (K2),

Start 130:
• Found in 1 of 1183 (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: Stellammi_39 (UNK),

Start 131:
• Found in 128 of 1183 (10.8%) of genes in pham
• Manual Annotations of this start: 11 of 1009
• Called 10.9% of time when present
• Phage (with cluster) where this start called: Banquo_62 (CU1), Bluvara_58 (I), Catfish_63 (CU5), Dardanus_57 (CU3), DinoDaryn_63 (CU1), Goib_64 (CU1), Gsput1_55 (CU2), Huffy_63 (CU1), MissDaisy_67 (K4), Splinter_63 (CU1), Stuck_67 (I2), TZGordon_64 (CU1), TinaLin_62 (CU1), Vendetta_63 (CU1),

Start 132:
• Found in 325 of 1183 (27.5%) of genes in pham
• Manual Annotations of this start: 11 of 1009
• Called 4.6% of time when present
• Phage (with cluster) where this start called: Ariel_51 (J), Blue_61 (A1), Courthouse_51 (J), LittleE_56 (J), Lucky2013_51 (J), MiaZeal_51 (J), Mkhuseli_58 (A1), Nekros_50 (J), Omega_56 (J), Porcelain_50 (J), Red305_31 (L3), Sanya_57 (A1), Superphikiman_51 (J), Thibault_45 (J), Thonko_81 (B8),

Summary by clusters:

There are 68 clusters represented in this pham: GD1, FR, GD3, GD4, M3, DO, DD, M2, singleton, K3, K2, K1, FC, M1, K6, K5, K4, K8, FL, JA, DL, A15, CU5, A16, A11, CU2, CU1, A12, I2, A1, A2, A13, A9, C2, CQ1, EL, AC, E, EH, EK, I, J, A17, N, L4, R, L2, L3, V, CU3, UNK, EB, A20, F1, CQ2, AZ7, B8, AZ, EK2, EM2, GD2, AZ1, AZ2, AZ3, AZ4, AZ5, EK1, GB,

Info for manual annotations of cluster A1:
•Start number 82 was manually annotated 5 times for cluster A1.
•Start number 83 was manually annotated 30 times for cluster A1.
•Start number 84 was manually annotated 118 times for cluster A1.
•Start number 89 was manually annotated 4 times for cluster A1.
•Start number 92 was manually annotated 10 times for cluster A1.
•Start number 99 was manually annotated 4 times for cluster A1.
•Start number 121 was manually annotated 1 time for cluster A1.
•Start number 132 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A11:
•Start number 87 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 87 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A15:
•Start number 113 was manually annotated 1 time for cluster A15.
•Start number 115 was manually annotated 22 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 87 was manually annotated 2 times for cluster A16.
•Start number 116 was manually annotated 1 time for cluster A16.

Info for manual annotations of cluster A2:
•Start number 64 was manually annotated 4 times for cluster A2.
•Start number 87 was manually annotated 61 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 87 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A9:
•Start number 87 was manually annotated 34 times for cluster A9.
•Start number 121 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AC:
•Start number 127 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster AZ1:
•Start number 104 was manually annotated 4 times for cluster AZ1.
•Start number 108 was manually annotated 27 times for cluster AZ1.
•Start number 109 was manually annotated 5 times for cluster AZ1.
•Start number 111 was manually annotated 1 time for cluster AZ1.
•Start number 124 was manually annotated 7 times for cluster AZ1.
•Start number 127 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 127 was manually annotated 2 times for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 90 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:
•Start number 119 was manually annotated 5 times for cluster AZ4.

Info for manual annotations of cluster AZ5:
•Start number 116 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster B8:
•Start number 132 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster C2:
•Start number 127 was manually annotated 2 times for cluster C2.
•Start number 129 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster CQ1:
•Start number 111 was manually annotated 9 times for cluster CQ1.
•Start number 114 was manually annotated 6 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 106 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CU1:
•Start number 131 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 131 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU5:
•Start number 131 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster DD:
•Start number 111 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:
•Start number 111 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DO:
•Start number 125 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster E:
•Start number 124 was manually annotated 3 times for cluster E.
•Start number 127 was manually annotated 122 times for cluster E.

Info for manual annotations of cluster EB:
•Start number 124 was manually annotated 4 times for cluster EB.

Info for manual annotations of cluster EH:
•Start number 100 was manually annotated 1 time for cluster EH.
•Start number 115 was manually annotated 1 time for cluster EH.
•Start number 121 was manually annotated 11 times for cluster EH.

Info for manual annotations of cluster EK:
•Start number 119 was manually annotated 3 times for cluster EK.

Info for manual annotations of cluster EK1:
•Start number 119 was manually annotated 22 times for cluster EK1.

Info for manual annotations of cluster EK2:
•Start number 119 was manually annotated 22 times for cluster EK2.
•Start number 121 was manually annotated 1 time for cluster EK2.

Info for manual annotations of cluster EL:
•Start number 119 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster EM2:
•Start number 122 was manually annotated 1 time for cluster EM2.

Info for manual annotations of cluster F1:
•Start number 82 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster FC:
•Start number 127 was manually annotated 11 times for cluster FC.

Info for manual annotations of cluster FL:
•Start number 101 was manually annotated 2 times for cluster FL.
•Start number 110 was manually annotated 3 times for cluster FL.

Info for manual annotations of cluster FR:
•Start number 121 was manually annotated 1 time for cluster FR.
•Start number 124 was manually annotated 1 time for cluster FR.

Info for manual annotations of cluster GB:
•Start number 129 was manually annotated 5 times for cluster GB.

Info for manual annotations of cluster GD1:
•Start number 127 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 127 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 127 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:
•Start number 127 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster J:
•Start number 127 was manually annotated 30 times for cluster J.
•Start number 132 was manually annotated 9 times for cluster J.

Info for manual annotations of cluster JA:
•Start number 124 was manually annotated 8 times for cluster JA.

Info for manual annotations of cluster K1:
•Start number 128 was manually annotated 5 times for cluster K1.
•Start number 129 was manually annotated 94 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 129 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 127 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 119 was manually annotated 16 times for cluster K4.
•Start number 131 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K5:
•Start number 129 was manually annotated 12 times for cluster K5.

Info for manual annotations of cluster K6:
•Start number 129 was manually annotated 22 times for cluster K6.

Info for manual annotations of cluster K8:
•Start number 119 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L2:
•Start number 127 was manually annotated 26 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 127 was manually annotated 17 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 127 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster M1:
•Start number 110 was manually annotated 12 times for cluster M1.

•Start number 127 was manually annotated 3 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 126 was manually annotated 1 time for cluster M2.
•Start number 127 was manually annotated 5 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 127 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:
•Start number 113 was manually annotated 2 times for cluster N.
•Start number 118 was manually annotated 37 times for cluster N.

Info for manual annotations of cluster R:
•Start number 123 was manually annotated 9 times for cluster R.

Info for manual annotations of cluster V:
•Start number 127 was manually annotated 5 times for cluster V.

Gene Information:

Gene: 244_39 Start: 33415, Stop: 33660, Start Num: 127
Candidate Starts for 244_39:
(Start: 127 @33415 has 245 MA's), (145, 33472), (155, 33505), (158, 33511), (175, 33565), (180, 33577),

Gene: 40AC_59 Start: 39531, Stop: 39259, Start Num: 87
Candidate Starts for 40AC_59:
(Start: 87 @39531 has 127 MA's), (Start: 131 @39510 has 11 MA's), (Start: 132 @39504 has 11 MA's), (160, 39417), (170, 39381), (180, 39351),

Gene: A3Wally_218 Start: 118317, Stop: 118063, Start Num: 127
Candidate Starts for A3Wally_218:
(Start: 127 @118317 has 245 MA's), (164, 118203), (173, 118176), (195, 118131),

Gene: A6_54 Start: 38910, Stop: 38635, Start Num: 84
Candidate Starts for A6_54:
(Start: 83 @38913 has 30 MA's), (Start: 84 @38910 has 118 MA's), (Start: 89 @38898 has 4 MA's), (Start: 132 @38868 has 11 MA's), (146, 38817), (149, 38802), (158, 38781), (168, 38751), (176, 38721),

Gene: ABCat_36 Start: 33127, Stop: 33372, Start Num: 127
Candidate Starts for ABCat_36:
(Start: 127 @33127 has 245 MA's), (145, 33184), (155, 33217), (158, 33223), (175, 33277), (180, 33289),

Gene: AEgle_32 Start: 24443, Stop: 24685, Start Num: 124
Candidate Starts for AEgle_32:
(Start: 124 @24443 has 24 MA's),

Gene: AFIS_58 Start: 39979, Stop: 39713, Start Num: 84
Candidate Starts for AFIS_58:
(Start: 83 @39982 has 30 MA's), (Start: 84 @39979 has 118 MA's), (Start: 89 @39967 has 4 MA's), (Start: 132 @39946 has 11 MA's), (146, 39895), (149, 39880), (158, 39859), (168, 39829), (176, 39799), (210, 39724),

Gene: AGrandiflora_34 Start: 24670, Stop: 24936, Start Num: 108
Candidate Starts for AGrandiflora_34:
(18, 24412), (25, 24448), (Start: 108 @24670 has 27 MA's), (178, 24853),

Gene: AN9_61 Start: 38705, Stop: 38394, Start Num: 64
Candidate Starts for AN9_61:
(Start: 64 @38705 has 4 MA's), (Start: 87 @38666 has 127 MA's), (Start: 121 @38657 has 15 MA's), (154, 38564), (170, 38516), (180, 38486),

Gene: ANI8_61 Start: 38705, Stop: 38394, Start Num: 64
Candidate Starts for ANI8_61:
(Start: 64 @38705 has 4 MA's), (Start: 87 @38666 has 127 MA's), (Start: 121 @38657 has 15 MA's), (154, 38564), (170, 38516), (180, 38486),

Gene: AbbyPaige_60 Start: 38775, Stop: 38503, Start Num: 87
Candidate Starts for AbbyPaige_60:
(Start: 87 @38775 has 127 MA's), (Start: 121 @38766 has 15 MA's), (Start: 131 @38754 has 11 MA's), (Start: 132 @38748 has 11 MA's),

Gene: Abbyshoes_63 Start: 41669, Stop: 41403, Start Num: 84
Candidate Starts for Abbyshoes_63:
(Start: 83 @41672 has 30 MA's), (Start: 84 @41669 has 118 MA's), (Start: 89 @41657 has 4 MA's), (Start: 132 @41636 has 11 MA's), (146, 41585), (149, 41570), (158, 41549), (168, 41519), (176, 41489),

Gene: Abrogate_610 Start: 42660, Stop: 42409, Start Num: 99
Candidate Starts for Abrogate_610:
(Start: 84 @42684 has 118 MA's), (Start: 99 @42660 has 4 MA's), (146, 42591), (149, 42576), (158, 42555), (164, 42534), (168, 42525), (176, 42495),

Gene: Abscondus_124 Start: 70975, Stop: 71268, Start Num: 111
Candidate Starts for Abscondus_124:
(Start: 111 @70975 has 18 MA's), (137, 71023), (176, 71152),

Gene: Acme_64 Start: 41595, Stop: 41326, Start Num: 83
Candidate Starts for Acme_64:
(Start: 83 @41595 has 30 MA's), (Start: 84 @41592 has 118 MA's), (Start: 89 @41580 has 4 MA's), (Start: 132 @41559 has 11 MA's), (146, 41508), (149, 41493), (158, 41472), (168, 41442), (176, 41412), (210, 41337),

Gene: Acolyte_53 Start: 37597, Stop: 37325, Start Num: 87
Candidate Starts for Acolyte_53:
(Start: 87 @37597 has 127 MA's), (Start: 121 @37588 has 15 MA's), (Start: 131 @37576 has 11 MA's), (Start: 132 @37570 has 11 MA's), (141, 37534), (155, 37492), (170, 37447),

Gene: ActinUp_66 Start: 43467, Stop: 43709, Start Num: 129
Candidate Starts for ActinUp_66:

(Start: 129 @43467 has 146 MA's), (155, 43557), (190, 43653), (199, 43677),

Gene: AddiRose_51 Start: 34005, Stop: 34238, Start Num: 124
Candidate Starts for AddiRose_51:
(Start: 124 @34005 has 24 MA's), (168, 34140),

Gene: Adephagia_66 Start: 43504, Stop: 43746, Start Num: 129
Candidate Starts for Adephagia_66:
(Start: 129 @43504 has 146 MA's), (155, 43594), (190, 43690), (199, 43714),

Gene: Adnama_40 Start: 33642, Stop: 33887, Start Num: 127
Candidate Starts for Adnama_40:
(Start: 127 @33642 has 245 MA's), (145, 33699), (155, 33732), (158, 33738), (175, 33792), (180, 33804),

Gene: Adolin_32 Start: 23104, Stop: 23349, Start Num: 124
Candidate Starts for Adolin_32:
(13, 22735), (18, 22849), (25, 22885), (Start: 124 @23104 has 24 MA's),

Gene: Adonis_66 Start: 43739, Stop: 43981, Start Num: 129
Candidate Starts for Adonis_66:
(Start: 129 @43739 has 146 MA's), (155, 43829), (190, 43925), (199, 43949),

Gene: Adumb2043_32 Start: 24438, Stop: 24704, Start Num: 104
Candidate Starts for Adumb2043_32:
(7, 23982), (18, 24183), (25, 24219), (Start: 104 @24438 has 4 MA's), (178, 24621),

Gene: Adzzy_59 Start: 37247, Stop: 36975, Start Num: 87
Candidate Starts for Adzzy_59:
(Start: 87 @37247 has 127 MA's), (141, 37184), (158, 37136), (170, 37097), (173, 37085), (180, 37067),

Gene: Aeneas_65 Start: 43097, Stop: 42828, Start Num: 83
Candidate Starts for Aeneas_65:
(Start: 83 @43097 has 30 MA's), (Start: 84 @43094 has 118 MA's), (Start: 89 @43082 has 4 MA's), (Start: 132 @43061 has 11 MA's), (146, 43010), (149, 42995), (158, 42974), (168, 42944), (176, 42914),

Gene: Agaliana_56 Start: 37891, Stop: 37616, Start Num: 84
Candidate Starts for Agaliana_56:
(Start: 83 @37894 has 30 MA's), (Start: 84 @37891 has 118 MA's), (Start: 89 @37879 has 4 MA's), (Start: 132 @37849 has 11 MA's), (146, 37798), (149, 37783), (158, 37762), (168, 37732), (176, 37702),

Gene: Agamotto_5 Start: 4114, Stop: 4374, Start Num: 124
Candidate Starts for Agamotto_5:
(Start: 124 @4114 has 24 MA's), (Start: 127 @4117 has 245 MA's),

Gene: Agape74_60 Start: 38769, Stop: 38497, Start Num: 87
Candidate Starts for Agape74_60:
(Start: 87 @38769 has 127 MA's), (Start: 121 @38760 has 15 MA's), (Start: 131 @38748 has 11 MA's), (Start: 132 @38742 has 11 MA's), (170, 38619),

Gene: Ageofdapage_70 Start: 44895, Stop: 45137, Start Num: 129
Candidate Starts for Ageofdapage_70:
(Start: 129 @44895 has 146 MA's), (155, 44985), (190, 45081), (199, 45105),

Gene: AinMach_35 Start: 25558, Stop: 25839, Start Num: 124
Candidate Starts for AinMach_35:
(33, 25390), (103, 25534), (Start: 124 @25558 has 24 MA's), (170, 25723),

Gene: AirForce1_46 Start: 33134, Stop: 33424, Start Num: 110
Candidate Starts for AirForce1_46:
(52, 33035), (Start: 110 @33134 has 15 MA's), (137, 33185), (141, 33200), (173, 33302), (176, 33314),

Gene: Ajay_62 Start: 41482, Stop: 41216, Start Num: 84
Candidate Starts for Ajay_62:
(Start: 83 @41485 has 30 MA's), (Start: 84 @41482 has 118 MA's), (Start: 89 @41470 has 4 MA's), (Start: 132 @41449 has 11 MA's), (146, 41398), (149, 41383), (158, 41362), (168, 41332), (176, 41302), (210, 41227),

Gene: Akoni_9 Start: 6089, Stop: 5751, Start Num: 119
Candidate Starts for Akoni_9:
(50, 6161), (Start: 119 @6089 has 71 MA's), (137, 6050), (162, 5978), (173, 5939), (190, 5897), (225, 5798),

Gene: Aldrich_58 Start: 40769, Stop: 40503, Start Num: 84
Candidate Starts for Aldrich_58:
(Start: 83 @40772 has 30 MA's), (Start: 84 @40769 has 118 MA's), (Start: 89 @40757 has 4 MA's), (Start: 132 @40736 has 11 MA's), (146, 40685), (149, 40670), (158, 40649), (168, 40619), (176, 40589),

Gene: Alex44_9 Start: 6356, Stop: 6036, Start Num: 119
Candidate Starts for Alex44_9:
(43, 6476), (59, 6446), (Start: 119 @6356 has 71 MA's), (140, 6305), (146, 6290), (163, 6242), (219, 6101),

Gene: AlishaPH_66 Start: 43765, Stop: 44007, Start Num: 129
Candidate Starts for AlishaPH_66:
(Start: 129 @43765 has 146 MA's), (155, 43855), (190, 43951), (199, 43975),

Gene: Aliter_58 Start: 38153, Stop: 37881, Start Num: 87
Candidate Starts for Aliter_58:
(Start: 87 @38153 has 127 MA's), (Start: 121 @38144 has 15 MA's), (143, 38087), (154, 38051), (167, 38012), (175, 37985), (180, 37973),

Gene: Alma_58 Start: 38528, Stop: 38256, Start Num: 87
Candidate Starts for Alma_58:
(Start: 87 @38528 has 127 MA's), (Start: 121 @38519 has 15 MA's), (143, 38462), (154, 38426), (167, 38387), (175, 38360), (180, 38348),

Gene: AloeVera_9 Start: 6089, Stop: 5751, Start Num: 119
Candidate Starts for AloeVera_9:
(50, 6161), (Start: 119 @6089 has 71 MA's), (162, 5978), (173, 5939), (225, 5798),

Gene: Alsfro_68 Start: 41762, Stop: 41487, Start Num: 84

Candidate Starts for Alsfro_68:
(Start: 83 @41765 has 30 MA's), (Start: 84 @41762 has 118 MA's), (Start: 89 @41750 has 4 MA's), (Start: 132 @41720 has 11 MA's), (146, 41669), (149, 41654), (158, 41633), (168, 41603), (176, 41573), (210, 41498),

Gene: Altman_64 Start: 41400, Stop: 41125, Start Num: 84
Candidate Starts for Altman_64:
(Start: 83 @41403 has 30 MA's), (Start: 84 @41400 has 118 MA's), (Start: 89 @41388 has 4 MA's), (146, 41307), (149, 41292), (158, 41271), (168, 41241), (176, 41211),

Gene: Alvin_62 Start: 41227, Stop: 40952, Start Num: 84
Candidate Starts for Alvin_62:
(34, 41332), (35, 41329), (54, 41284), (61, 41266), (Start: 83 @41230 has 30 MA's), (Start: 84 @41227 has 118 MA's), (Start: 89 @41215 has 4 MA's), (Start: 132 @41185 has 11 MA's), (146, 41134), (149, 41119), (158, 41098), (168, 41068), (176, 41038), (198, 40993), (210, 40963),

Gene: Amao_37 Start: 32339, Stop: 32584, Start Num: 127
Candidate Starts for Amao_37:
(Start: 127 @32339 has 245 MA's), (145, 32396), (155, 32429), (158, 32435), (173, 32483), (175, 32489), (180, 32501),

Gene: AmericanBeauty_39 Start: 33122, Stop: 33367, Start Num: 127
Candidate Starts for AmericanBeauty_39:
(Start: 127 @33122 has 245 MA's), (145, 33179), (155, 33212), (158, 33218), (175, 33272), (180, 33284),

Gene: Amohnition_66 Start: 44113, Stop: 44352, Start Num: 129
Candidate Starts for Amohnition_66:
(Start: 129 @44113 has 146 MA's), (155, 44203), (174, 44263),

Gene: Amploria_32 Start: 24442, Stop: 24684, Start Num: 124
Candidate Starts for Amploria_32:
(Start: 124 @24442 has 24 MA's),

Gene: Amyev_33 Start: 26378, Stop: 26620, Start Num: 109
Candidate Starts for Amyev_33:
(Start: 109 @26378 has 5 MA's),

Gene: Anaya_69 Start: 44458, Stop: 44700, Start Num: 129
Candidate Starts for Anaya_69:
(69, 44380), (Start: 129 @44458 has 146 MA's), (155, 44548), (190, 44644), (199, 44668),

Gene: Anaysia_64 Start: 37667, Stop: 37398, Start Num: 115
Candidate Starts for Anaysia_64:
(10, 38111), (11, 38087), (15, 38009), (Start: 115 @37667 has 23 MA's), (180, 37490), (196, 37451),

Gene: Andies_48 Start: 34452, Stop: 34700, Start Num: 118
Candidate Starts for Andies_48:
(Start: 118 @34452 has 37 MA's), (Start: 131 @34464 has 11 MA's), (176, 34614), (178, 34617), (210, 34692),

Gene: Aneem_58 Start: 37786, Stop: 37514, Start Num: 87
Candidate Starts for Aneem_58:

(Start: 87 @37786 has 127 MA's), (Start: 121 @37777 has 15 MA's), (180, 37606),

Gene: Angelica_66 Start: 43657, Stop: 43899, Start Num: 129
Candidate Starts for Angelica_66:
(Start: 129 @43657 has 146 MA's), (155, 43747), (190, 43843), (199, 43867),

Gene: Anglerfish_62 Start: 41575, Stop: 41306, Start Num: 83
Candidate Starts for Anglerfish_62:
(Start: 83 @41575 has 30 MA's), (Start: 84 @41572 has 118 MA's), (Start: 89 @41560 has 4 MA's), (Start: 108 @41545 has 27 MA's), (Start: 132 @41539 has 11 MA's), (146, 41488), (149, 41473), (158, 41452), (168, 41422), (176, 41392),

Gene: Anma_68 Start: 44362, Stop: 44604, Start Num: 129
Candidate Starts for Anma_68:
(Start: 129 @44362 has 146 MA's), (155, 44452), (190, 44548), (199, 44572),

Gene: AnnabelLee_3 Start: 977, Stop: 1246, Start Num: 121
Candidate Starts for AnnabelLee_3:
(Start: 121 @977 has 15 MA's),

Gene: Anon_61 Start: 37216, Stop: 36947, Start Num: 115
Candidate Starts for Anon_61:
(Start: 115 @37216 has 23 MA's), (168, 37075), (189, 37018), (200, 36982),

Gene: Anselm_59 Start: 38676, Stop: 38404, Start Num: 87
Candidate Starts for Anselm_59:
(Start: 87 @38676 has 127 MA's), (Start: 121 @38667 has 15 MA's), (Start: 131 @38655 has 11 MA's), (Start: 132 @38649 has 11 MA's), (170, 38526), (180, 38496),

Gene: Anthony_54 Start: 36233, Stop: 35961, Start Num: 87
Candidate Starts for Anthony_54:
(Start: 87 @36233 has 127 MA's), (Start: 121 @36224 has 15 MA's), (Start: 132 @36206 has 11 MA's), (137, 36185), (180, 36053),

Gene: Aphelion_125 Start: 72038, Stop: 72331, Start Num: 111
Candidate Starts for Aphelion_125:
(Start: 111 @72038 has 18 MA's), (137, 72086), (176, 72215),

Gene: Apocalypse_69 Start: 44420, Stop: 44662, Start Num: 128
Candidate Starts for Apocalypse_69:
(Start: 128 @44420 has 5 MA's), (155, 44510), (190, 44606), (199, 44630),

Gene: Applecrisp_63 Start: 43695, Stop: 43937, Start Num: 129
Candidate Starts for Applecrisp_63:
(71, 43626), (Start: 129 @43695 has 146 MA's), (Start: 132 @43704 has 11 MA's), (146, 43755), (155, 43785), (190, 43881), (199, 43905),

Gene: Applejack_60 Start: 39669, Stop: 39418, Start Num: 99
Candidate Starts for Applejack_60:
(Start: 84 @39693 has 118 MA's), (Start: 99 @39669 has 4 MA's), (146, 39600), (149, 39585), (158, 39564), (168, 39534), (176, 39504),

Gene: ArMaWen_9 Start: 6356, Stop: 6033, Start Num: 119

Candidate Starts for ArMaWen_9:
(59, 6446), (Start: 119 @6356 has 71 MA's), (140, 6305), (155, 6260), (163, 6242), (222, 6086),

Gene: Arcanine_64 Start: 42296, Stop: 42030, Start Num: 84
Candidate Starts for Arcanine_64:
(Start: 83 @42299 has 30 MA's), (Start: 84 @42296 has 118 MA's), (Start: 89 @42284 has 4 MA's), (Start: 108 @42269 has 27 MA's), (Start: 132 @42263 has 11 MA's), (146, 42212), (149, 42197), (158, 42176), (168, 42146), (176, 42116),

Gene: Archie_32 Start: 28911, Stop: 29177, Start Num: 127
Candidate Starts for Archie_32:
(Start: 127 @28911 has 245 MA's), (139, 28956), (156, 29007), (165, 29025), (181, 29073), (207, 29145), (218, 29166),

Gene: Argent26_39 Start: 33125, Stop: 33370, Start Num: 127
Candidate Starts for Argent26_39:
(Start: 127 @33125 has 245 MA's), (145, 33182), (155, 33215), (158, 33221), (175, 33275), (180, 33287),

Gene: Ariel_51 Start: 40408, Stop: 40647, Start Num: 132
Candidate Starts for Ariel_51:
(Start: 132 @40408 has 11 MA's), (138, 40435), (155, 40489), (156, 40492), (176, 40549), (191, 40585),

Gene: Arissanae_57 Start: 38844, Stop: 38572, Start Num: 87
Candidate Starts for Arissanae_57:
(Start: 87 @38844 has 127 MA's), (Start: 121 @38835 has 15 MA's), (141, 38781), (154, 38742), (170, 38694),

Gene: Artu_100 Start: 83547, Stop: 83807, Start Num: 127
Candidate Starts for Artu_100:
(Start: 127 @83547 has 245 MA's), (195, 83736), (206, 83766), (207, 83769),

Gene: Asa16_34 Start: 26607, Stop: 26864, Start Num: 124
Candidate Starts for Asa16_34:
(18, 26370), (19, 26379), (Start: 124 @26607 has 24 MA's), (140, 26655), (180, 26772),

Gene: Asayake_66 Start: 43819, Stop: 44061, Start Num: 129
Candidate Starts for Asayake_66:
(Start: 129 @43819 has 146 MA's), (155, 43909), (190, 44005), (199, 44029),

Gene: Ascela_34 Start: 24798, Stop: 25064, Start Num: 108
Candidate Starts for Ascela_34:
(Start: 108 @24798 has 27 MA's), (178, 24981),

Gene: Ashballer_65 Start: 42043, Stop: 41777, Start Num: 84
Candidate Starts for Ashballer_65:
(Start: 83 @42046 has 30 MA's), (Start: 84 @42043 has 118 MA's), (Start: 89 @42031 has 4 MA's), (Start: 132 @42010 has 11 MA's), (146, 41959), (149, 41944), (158, 41923), (168, 41893), (176, 41863),

Gene: Ashes_31 Start: 22585, Stop: 22851, Start Num: 116
Candidate Starts for Ashes_31:

(Start: 116 @22585 has 17 MA's), (Start: 129 @22600 has 146 MA's), (148, 22663), (153, 22681), (192, 22783),

Gene: Ashton_9 Start: 6093, Stop: 5755, Start Num: 119
Candidate Starts for Ashton_9:
(50, 6165), (Start: 119 @6093 has 71 MA's), (137, 6054), (162, 5982), (173, 5943), (190, 5901), (225, 5802),

Gene: Asriel_36 Start: 31996, Stop: 32241, Start Num: 127
Candidate Starts for Asriel_36:
(Start: 127 @31996 has 245 MA's), (145, 32053), (155, 32086), (158, 32092), (175, 32146), (180, 32158),

Gene: Astartes_9 Start: 6131, Stop: 5775, Start Num: 119
Candidate Starts for Astartes_9:
(Start: 119 @6131 has 71 MA's), (137, 6092), (141, 6077), (173, 5981), (216, 5873), (220, 5864), (224, 5825),

Gene: Atiba_67 Start: 43467, Stop: 43709, Start Num: 129
Candidate Starts for Atiba_67:
(Start: 129 @43467 has 146 MA's), (155, 43557), (190, 43653), (199, 43677),

Gene: Atkinbua_64 Start: 41089, Stop: 40823, Start Num: 82
Candidate Starts for Atkinbua_64:
(Start: 82 @41089 has 6 MA's), (Start: 89 @41077 has 4 MA's), (Start: 132 @41056 has 11 MA's), (146, 41005), (149, 40990), (158, 40969), (168, 40939), (176, 40909), (210, 40834),

Gene: Atraxi_9 Start: 6096, Stop: 5740, Start Num: 119
Candidate Starts for Atraxi_9:
(Start: 119 @6096 has 71 MA's), (137, 6057), (141, 6042), (220, 5829), (224, 5790),

Gene: Atuin_102 Start: 87057, Stop: 87320, Start Num: 127
Candidate Starts for Atuin_102:
(Start: 127 @87057 has 245 MA's), (195, 87246),

Gene: Audell_6 Start: 4387, Stop: 4647, Start Num: 124
Candidate Starts for Audell_6:
(Start: 124 @4387 has 24 MA's), (154, 4477), (173, 4534),

Gene: Auspice_39 Start: 32780, Stop: 33040, Start Num: 127
Candidate Starts for Auspice_39:
(46, 32651), (Start: 110 @32762 has 15 MA's), (Start: 127 @32780 has 245 MA's), (146, 32843), (174, 32930), (176, 32939), (181, 32948),

Gene: Ayanochan_59 Start: 38311, Stop: 38039, Start Num: 87
Candidate Starts for Ayanochan_59:
(Start: 87 @38311 has 127 MA's), (Start: 121 @38302 has 15 MA's), (143, 38245), (154, 38209), (167, 38170), (175, 38143), (180, 38131),

Gene: Aziz_44 Start: 33930, Stop: 34181, Start Num: 127
Candidate Starts for Aziz_44:
(Start: 127 @33930 has 245 MA's), (155, 34023), (172, 34074), (173, 34077), (178, 34092), (203, 34146),

Gene: Azrael100_52 Start: 39360, Stop: 39608, Start Num: 127
Candidate Starts for Azrael100_52:
(Start: 127 @39360 has 245 MA's), (152, 39441), (168, 39489), (178, 39522), (180, 39525), (181, 39528), (198, 39561), (212, 39597),

Gene: BAKA_56 Start: 44234, Stop: 44479, Start Num: 127
Candidate Starts for BAKA_56:
(Start: 127 @44234 has 245 MA's), (146, 44297), (155, 44327), (156, 44330), (178, 44390), (180, 44393), (181, 44396),

Gene: BEEST_66 Start: 43819, Stop: 44061, Start Num: 129
Candidate Starts for BEEST_66:
(Start: 129 @43819 has 146 MA's), (155, 43909), (190, 44005), (199, 44029),

Gene: BFK20_ORF53 Start: 41569, Stop: 41835, Start Num: 116
Candidate Starts for BFK20_ORF53:
(98, 41539), (Start: 110 @41563 has 15 MA's), (Start: 116 @41569 has 17 MA's), (141, 41629), (155, 41671), (158, 41677), (177, 41737),

Gene: BGlluviae_66 Start: 43622, Stop: 43864, Start Num: 129
Candidate Starts for BGlluviae_66:
(Start: 129 @43622 has 146 MA's), (155, 43712), (190, 43808), (199, 43832),

Gene: BK1_54 Start: 38910, Stop: 38635, Start Num: 84
Candidate Starts for BK1_54:
(Start: 83 @38913 has 30 MA's), (Start: 84 @38910 has 118 MA's), (Start: 89 @38898 has 4 MA's), (Start: 132 @38868 has 11 MA's), (146, 38817), (149, 38802), (158, 38781), (168, 38751), (176, 38721),

Gene: BPBiebs31_64 Start: 41826, Stop: 41557, Start Num: 83
Candidate Starts for BPBiebs31_64:
(Start: 83 @41826 has 30 MA's), (Start: 84 @41823 has 118 MA's), (Start: 89 @41811 has 4 MA's), (Start: 108 @41796 has 27 MA's), (Start: 132 @41790 has 11 MA's), (149, 41724), (158, 41703), (168, 41673), (176, 41643),

Gene: BabeRuth_56 Start: 36173, Stop: 36421, Start Num: 118
Candidate Starts for BabeRuth_56:
(Start: 118 @36173 has 37 MA's), (Start: 131 @36185 has 11 MA's), (176, 36335), (178, 36338), (210, 36413),

Gene: BaboJay_37 Start: 33214, Stop: 33462, Start Num: 124
Candidate Starts for BaboJay_37:
(79, 33145), (81, 33148), (98, 33175), (Start: 124 @33214 has 24 MA's), (145, 33274), (155, 33307), (158, 33313), (175, 33367), (180, 33379),

Gene: Bachita_128 Start: 71997, Stop: 72287, Start Num: 114
Candidate Starts for Bachita_128:
(53, 71889), (60, 71904), (85, 71949), (Start: 114 @71997 has 6 MA's), (137, 72042), (176, 72171),

Gene: Bachome_59 Start: 37766, Stop: 37494, Start Num: 87
Candidate Starts for Bachome_59:
(Start: 87 @37766 has 127 MA's), (Start: 121 @37757 has 15 MA's), (170, 37616),

Gene: BaconJack_66 Start: 44013, Stop: 43747, Start Num: 84
Candidate Starts for BaconJack_66:
(Start: 83 @44016 has 30 MA's), (Start: 84 @44013 has 118 MA's), (Start: 89 @44001 has 4 MA's), (Start: 132 @43980 has 11 MA's), (146, 43929), (149, 43914), (158, 43893), (168, 43863), (176, 43833),

Gene: BadStone_36 Start: 33127, Stop: 33372, Start Num: 127
Candidate Starts for BadStone_36:
(Start: 127 @33127 has 245 MA's), (145, 33184), (155, 33217), (158, 33223), (173, 33271), (175, 33277), (180, 33289),

Gene: BaghaKamala_66 Start: 43286, Stop: 43528, Start Num: 129
Candidate Starts for BaghaKamala_66:
(88, 43241), (Start: 129 @43286 has 146 MA's), (155, 43376), (190, 43472), (199, 43496),

Gene: Bagrid_51 Start: 43567, Stop: 43812, Start Num: 127
Candidate Starts for Bagrid_51:
(Start: 127 @43567 has 245 MA's), (146, 43630), (155, 43660), (156, 43663), (178, 43723), (180, 43726), (181, 43729),

Gene: Balomoji_36 Start: 32861, Stop: 33106, Start Num: 127
Candidate Starts for Balomoji_36:
(Start: 127 @32861 has 245 MA's), (145, 32918), (155, 32951), (158, 32957), (173, 33005), (175, 33011), (180, 33023),

Gene: Banquo_62 Start: 38905, Stop: 39129, Start Num: 131
Candidate Starts for Banquo_62:
(Start: 131 @38905 has 11 MA's), (140, 38947), (155, 38992), (160, 39001), (175, 39052), (178, 39061), (190, 39082),

Gene: Bantam_85 Start: 57381, Stop: 57115, Start Num: 111
Candidate Starts for Bantam_85:
(Start: 111 @57381 has 18 MA's), (136, 57333),

Gene: Baoshan_31 Start: 28243, Stop: 28509, Start Num: 127
Candidate Starts for Baoshan_31:
(Start: 127 @28243 has 245 MA's), (139, 28288), (156, 28339), (207, 28477), (218, 28498),

Gene: Barbarian_36 Start: 31996, Stop: 32241, Start Num: 127
Candidate Starts for Barbarian_36:
(Start: 127 @31996 has 245 MA's), (145, 32053), (155, 32086), (158, 32092), (175, 32146), (180, 32158),

Gene: BarnCat_46 Start: 30635, Stop: 30874, Start Num: 129
Candidate Starts for BarnCat_46:
(54, 30518), (62, 30536), (Start: 129 @30635 has 146 MA's), (146, 30692), (154, 30719), (158, 30728),

Gene: Barnstormer_41 Start: 26907, Stop: 27167, Start Num: 121
Candidate Starts for Barnstormer_41:
(42, 26781), (Start: 121 @26907 has 15 MA's),

Gene: BarrelRoll_67 Start: 43905, Stop: 44147, Start Num: 129

Candidate Starts for BarrelRoll_67:
(Start: 129 @43905 has 146 MA's), (155, 43995), (190, 44091), (199, 44115),

Gene: Barriga_65 Start: 40220, Stop: 39954, Start Num: 84
Candidate Starts for Barriga_65:
(Start: 83 @40223 has 30 MA's), (Start: 84 @40220 has 118 MA's), (Start: 89 @40208 has 4 MA's), (Start: 132 @40187 has 11 MA's), (146, 40136), (149, 40121), (158, 40100), (168, 40070), (176, 40040), (210, 39965),

Gene: Barroma_9 Start: 6089, Stop: 5751, Start Num: 119
Candidate Starts for Barroma_9:
(50, 6161), (Start: 119 @6089 has 71 MA's), (137, 6050), (162, 5978), (173, 5939), (225, 5798),

Gene: BarrowTuph_63 Start: 41075, Stop: 40809, Start Num: 84
Candidate Starts for BarrowTuph_63:
(Start: 83 @41078 has 30 MA's), (Start: 84 @41075 has 118 MA's), (Start: 89 @41063 has 4 MA's), (Start: 132 @41042 has 11 MA's), (146, 40991), (149, 40976), (158, 40955), (168, 40925), (176, 40895),

Gene: Bask21_37 Start: 32313, Stop: 32558, Start Num: 127
Candidate Starts for Bask21_37:
(Start: 127 @32313 has 245 MA's), (145, 32370), (155, 32403), (158, 32409), (175, 32463), (180, 32475),

Gene: Battleship_66 Start: 37873, Stop: 37604, Start Num: 115
Candidate Starts for Battleship_66:
(10, 38317), (15, 38215), (Start: 115 @37873 has 23 MA's), (180, 37696),

Gene: Bazzle_32 Start: 28660, Stop: 28926, Start Num: 127
Candidate Starts for Bazzle_32:
(Start: 127 @28660 has 245 MA's), (139, 28705), (156, 28756), (165, 28774), (181, 28822), (207, 28894), (218, 28915),

Gene: Beatrix_61 Start: 42133, Stop: 41867, Start Num: 84
Candidate Starts for Beatrix_61:
(Start: 83 @42136 has 30 MA's), (Start: 84 @42133 has 118 MA's), (Start: 89 @42121 has 4 MA's), (Start: 132 @42097 has 11 MA's), (145, 42052), (149, 42034), (158, 42013), (168, 41983), (176, 41953), (210, 41878),

Gene: Beaupre_31 Start: 22586, Stop: 22852, Start Num: 116
Candidate Starts for Beaupre_31:
(Start: 116 @22586 has 17 MA's), (Start: 129 @22601 has 146 MA's), (148, 22664), (153, 22682), (192, 22784),

Gene: Becksu_37 Start: 33318, Stop: 33563, Start Num: 127
Candidate Starts for Becksu_37:
(Start: 127 @33318 has 245 MA's), (145, 33375), (155, 33408), (158, 33414), (175, 33468), (180, 33480),

Gene: Beem_52 Start: 44133, Stop: 44378, Start Num: 127
Candidate Starts for Beem_52:
(Start: 127 @44133 has 245 MA's), (146, 44196), (155, 44226), (156, 44229), (178, 44289), (180, 44292), (181, 44295),

Gene: Beemo_58 Start: 38323, Stop: 38051, Start Num: 87
Candidate Starts for Beemo_58:
(Start: 87 @38323 has 127 MA's), (Start: 121 @38314 has 15 MA's), (143, 38257), (154, 38221), (167, 38182), (175, 38155), (180, 38143),

Gene: BeesKnees_64 Start: 40665, Stop: 40390, Start Num: 84
Candidate Starts for BeesKnees_64:
(Start: 84 @40665 has 118 MA's), (Start: 89 @40653 has 4 MA's), (146, 40572), (149, 40557), (158, 40536), (168, 40506), (176, 40476),

Gene: Beezoo_68 Start: 44417, Stop: 44659, Start Num: 129
Candidate Starts for Beezoo_68:
(Start: 129 @44417 has 146 MA's), (155, 44507), (190, 44603), (199, 44627),

Gene: Bella96_67 Start: 44208, Stop: 44450, Start Num: 129
Candidate Starts for Bella96_67:
(Start: 129 @44208 has 146 MA's), (155, 44298), (190, 44394), (199, 44418),

Gene: Belladonna_66 Start: 43622, Stop: 43864, Start Num: 129
Candidate Starts for Belladonna_66:
(Start: 129 @43622 has 146 MA's), (155, 43712), (190, 43808), (199, 43832),

Gene: Bellis_31 Start: 28787, Stop: 29053, Start Num: 127
Candidate Starts for Bellis_31:
(Start: 127 @28787 has 245 MA's), (Start: 132 @28799 has 11 MA's), (139, 28832),

Gene: Bellris_57 Start: 37989, Stop: 37717, Start Num: 87
Candidate Starts for Bellris_57:
(Start: 87 @37989 has 127 MA's), (Start: 121 @37980 has 15 MA's), (143, 37923), (154, 37887), (170, 37839),

Gene: Bench_39 Start: 32995, Stop: 33240, Start Num: 127
Candidate Starts for Bench_39:
(Start: 127 @32995 has 245 MA's), (145, 33052), (155, 33085), (158, 33091), (175, 33145), (180, 33157),

Gene: Benvolio_55 Start: 37700, Stop: 37428, Start Num: 87
Candidate Starts for Benvolio_55:
(Start: 87 @37700 has 127 MA's), (Start: 121 @37691 has 15 MA's), (Start: 131 @37679 has 11 MA's), (Start: 132 @37673 has 11 MA's), (170, 37550),

Gene: Bern_68 Start: 42879, Stop: 43121, Start Num: 129
Candidate Starts for Bern_68:
(88, 42834), (Start: 129 @42879 has 146 MA's), (155, 42969), (190, 43065), (199, 43089),

Gene: Berrie_34 Start: 25682, Stop: 25942, Start Num: 108
Candidate Starts for Berrie_34:
(18, 25445), (20, 25454), (Start: 108 @25682 has 27 MA's),

Gene: Bethlehem_61 Start: 42502, Stop: 42233, Start Num: 83
Candidate Starts for Bethlehem_61:

(Start: 83 @42502 has 30 MA's), (Start: 84 @42499 has 118 MA's), (Start: 89 @42487 has 4 MA's), (Start: 108 @42472 has 27 MA's), (Start: 132 @42466 has 11 MA's), (146, 42415), (149, 42400), (158, 42379), (168, 42349), (176, 42319), (210, 42244),

Gene: Bexan_59 Start: 41912, Stop: 41646, Start Num: 84
Candidate Starts for Bexan_59:
(Start: 83 @41915 has 30 MA's), (Start: 84 @41912 has 118 MA's), (Start: 89 @41900 has 4 MA's), (Start: 132 @41876 has 11 MA's), (145, 41831), (149, 41813), (168, 41762), (210, 41657),

Gene: Big3_63 Start: 42551, Stop: 42288, Start Num: 84
Candidate Starts for Big3_63:
(Start: 83 @42554 has 30 MA's), (Start: 84 @42551 has 118 MA's), (Start: 89 @42539 has 4 MA's), (Start: 132 @42518 has 11 MA's), (146, 42467), (149, 42452), (158, 42431), (168, 42401), (176, 42371), (208, 42299),

Gene: Big4_204 Start: 114726, Stop: 114472, Start Num: 127
Candidate Starts for Big4_204:
(93, 114774), (Start: 127 @114726 has 245 MA's),

Gene: BigBubba_38 Start: 32898, Stop: 33143, Start Num: 127
Candidate Starts for BigBubba_38:
(Start: 127 @32898 has 245 MA's), (145, 32955), (155, 32988), (158, 32994), (173, 33042), (175, 33048), (180, 33060),

Gene: BigCheese_32 Start: 28422, Stop: 28688, Start Num: 127
Candidate Starts for BigCheese_32:
(Start: 127 @28422 has 245 MA's), (139, 28467), (156, 28518), (181, 28584), (207, 28656), (218, 28677),

Gene: BigPaolini_59 Start: 39208, Stop: 38933, Start Num: 84
Candidate Starts for BigPaolini_59:
(Start: 83 @39211 has 30 MA's), (Start: 84 @39208 has 118 MA's), (Start: 89 @39196 has 4 MA's), (Start: 132 @39166 has 11 MA's), (146, 39115), (149, 39100), (158, 39079), (168, 39049), (176, 39019),

Gene: Bigchungi_61 Start: 41000, Stop: 40725, Start Num: 84
Candidate Starts for Bigchungi_61:
(Start: 83 @41003 has 30 MA's), (Start: 84 @41000 has 118 MA's), (Start: 89 @40988 has 4 MA's), (146, 40907), (149, 40892), (158, 40871), (168, 40841), (176, 40811),

Gene: Bigfoot_54 Start: 40154, Stop: 39888, Start Num: 84
Candidate Starts for Bigfoot_54:
(Start: 83 @40157 has 30 MA's), (Start: 84 @40154 has 118 MA's), (Start: 89 @40142 has 4 MA's), (Start: 132 @40121 has 11 MA's), (146, 40070), (149, 40055), (158, 40034), (168, 40004), (176, 39974),

Gene: BilboSwaggins_37 Start: 33135, Stop: 33380, Start Num: 127
Candidate Starts for BilboSwaggins_37:
(Start: 127 @33135 has 245 MA's), (145, 33192), (155, 33225), (158, 33231), (175, 33285), (180, 33297),

Gene: BillKnuckles_59 Start: 42435, Stop: 42130, Start Num: 83
Candidate Starts for BillKnuckles_59:

(Start: 83 @42435 has 30 MA's), (Start: 84 @42432 has 118 MA's), (Start: 89 @42420 has 4 MA's), (Start: 132 @42396 has 11 MA's), (145, 42351), (149, 42333), (168, 42282), (198, 42207), (210, 42177), (221, 42153),

Gene: Biozilla_9 Start: 6310, Stop: 5987, Start Num: 119
Candidate Starts for Biozilla_9:
(31, 6478), (36, 6460), (47, 6427), (Start: 119 @6310 has 71 MA's), (140, 6259), (146, 6244), (163, 6196), (200, 6088), (222, 6040), (224, 6022),

Gene: Bircsak_61 Start: 42809, Stop: 42543, Start Num: 84
Candidate Starts for Bircsak_61:
(Start: 83 @42812 has 30 MA's), (Start: 84 @42809 has 118 MA's), (Start: 89 @42797 has 4 MA's), (Start: 132 @42776 has 11 MA's), (146, 42725), (149, 42710), (158, 42689), (168, 42659), (176, 42629),

Gene: Birdfeeder_9 Start: 6368, Stop: 6045, Start Num: 119
Candidate Starts for Birdfeeder_9:
(Start: 119 @6368 has 71 MA's), (140, 6317), (163, 6254), (222, 6098),

Gene: BlackJade_54 Start: 34939, Stop: 35229, Start Num: 110
Candidate Starts for BlackJade_54:
(Start: 110 @34939 has 15 MA's), (Start: 132 @34969 has 11 MA's), (137, 34990), (141, 35005), (157, 35053), (168, 35089), (173, 35107), (181, 35128), (213, 35203),

Gene: Blackflame_58 Start: 40747, Stop: 40481, Start Num: 84
Candidate Starts for Blackflame_58:
(Start: 83 @40750 has 30 MA's), (Start: 84 @40747 has 118 MA's), (Start: 89 @40735 has 4 MA's), (Start: 132 @40714 has 11 MA's), (146, 40663), (149, 40648), (158, 40627), (168, 40597), (176, 40567), (210, 40492),

Gene: Blesser_58 Start: 40182, Stop: 39916, Start Num: 84
Candidate Starts for Blesser_58:
(Start: 83 @40185 has 30 MA's), (Start: 84 @40182 has 118 MA's), (Start: 89 @40170 has 4 MA's), (Start: 132 @40149 has 11 MA's), (146, 40098), (149, 40083), (158, 40062), (168, 40032), (176, 40002),

Gene: Blizzard_66 Start: 43819, Stop: 44061, Start Num: 129
Candidate Starts for Blizzard_66:
(Start: 129 @43819 has 146 MA's), (155, 43909), (190, 44005), (199, 44029),

Gene: Bloom_112 Start: 87140, Stop: 87388, Start Num: 127
Candidate Starts for Bloom_112:
(Start: 127 @87140 has 245 MA's), (Start: 131 @87146 has 11 MA's), (Start: 132 @87152 has 11 MA's),

Gene: Blue_61 Start: 41818, Stop: 41588, Start Num: 132
Candidate Starts for Blue_61:
(Start: 83 @41857 has 30 MA's), (Start: 84 @41854 has 118 MA's), (Start: 89 @41842 has 4 MA's), (Start: 132 @41818 has 11 MA's), (145, 41773), (149, 41755), (168, 41704), (198, 41629), (210, 41599),

Gene: Bluvara_58 Start: 40303, Stop: 40536, Start Num: 131
Candidate Starts for Bluvara_58:

(Start: 113 @40291 has 3 MA's), (Start: 131 @40303 has 11 MA's), (Start: 132 @40309 has 11 MA's), (151, 40375), (169, 40420), (178, 40450),

Gene: BobSwaget_54 Start: 37176, Stop: 36904, Start Num: 87
Candidate Starts for BobSwaget_54:
(Start: 87 @37176 has 127 MA's), (Start: 132 @37149 has 11 MA's), (170, 37026), (180, 36996),

Gene: Bobby_51 Start: 42712, Stop: 42957, Start Num: 127
Candidate Starts for Bobby_51:
(Start: 127 @42712 has 245 MA's), (171, 42844),

Gene: Bobquesha_71 Start: 42269, Stop: 42532, Start Num: 119
Candidate Starts for Bobquesha_71:
(28, 42086), (Start: 119 @42269 has 71 MA's), (155, 42371), (188, 42467), (210, 42521),

Gene: BobsGarage_32 Start: 28422, Stop: 28688, Start Num: 127
Candidate Starts for BobsGarage_32:
(Start: 127 @28422 has 245 MA's), (139, 28467), (156, 28518), (181, 28584), (207, 28656), (218, 28677),

Gene: Bogg_38 Start: 32564, Stop: 32812, Start Num: 124
Candidate Starts for Bogg_38:
(79, 32495), (81, 32498), (98, 32525), (Start: 124 @32564 has 24 MA's), (145, 32624), (155, 32657), (158, 32663), (175, 32717), (180, 32729),

Gene: BogosyJay_57 Start: 38245, Stop: 37973, Start Num: 87
Candidate Starts for BogosyJay_57:
(Start: 87 @38245 has 127 MA's), (Start: 121 @38236 has 15 MA's), (143, 38179), (154, 38143), (180, 38065),

Gene: Boiiii_66 Start: 43821, Stop: 44063, Start Num: 129
Candidate Starts for Boiiii_66:
(Start: 129 @43821 has 146 MA's), (155, 43911), (190, 44007), (199, 44031),

Gene: Boilgate_63 Start: 45255, Stop: 45500, Start Num: 119
Candidate Starts for Boilgate_63:
(Start: 119 @45255 has 71 MA's), (Start: 131 @45270 has 11 MA's), (208, 45486), (210, 45489),

Gene: Bombitas_49 Start: 43727, Stop: 43975, Start Num: 127
Candidate Starts for Bombitas_49:
(Start: 127 @43727 has 245 MA's), (171, 43859),

Gene: Bongo_39 Start: 32762, Stop: 33040, Start Num: 110
Candidate Starts for Bongo_39:
(46, 32651), (Start: 110 @32762 has 15 MA's), (Start: 127 @32780 has 245 MA's), (146, 32843), (174, 32930), (176, 32939), (181, 32948),

Gene: BooTeria_104 Start: 83660, Stop: 83920, Start Num: 127
Candidate Starts for BooTeria_104:
(Start: 127 @83660 has 245 MA's), (195, 83849), (206, 83879), (207, 83882),

Gene: Boohoo_64 Start: 37667, Stop: 37398, Start Num: 115
Candidate Starts for Boohoo_64:

(10, 38111), (11, 38087), (15, 38009), (Start: 115 @37667 has 23 MA's), (180, 37490), (196, 37451),

Gene: BoostSeason_69 Start: 45667, Stop: 45912, Start Num: 129
Candidate Starts for BoostSeason_69:
(Start: 87 @45610 has 127 MA's), (91, 45616), (Start: 129 @45667 has 146 MA's), (155, 45757), (178, 45826), (190, 45850), (213, 45904),

Gene: Bosection6_49 Start: 33918, Stop: 34166, Start Num: 118
Candidate Starts for Bosection6_49:
(6, 33354), (16, 33573), (26, 33711), (30, 33744), (66, 33840), (Start: 118 @33918 has 37 MA's), (Start: 131 @33930 has 11 MA's), (155, 34014), (176, 34080), (178, 34083),

Gene: Bowtie_58 Start: 37793, Stop: 37521, Start Num: 87
Candidate Starts for Bowtie_58:
(Start: 87 @37793 has 127 MA's), (Start: 121 @37784 has 15 MA's), (180, 37613),

Gene: Bradman_57 Start: 37421, Stop: 37149, Start Num: 87
Candidate Starts for Bradman_57:
(Start: 87 @37421 has 127 MA's), (Start: 131 @37400 has 11 MA's), (Start: 132 @37394 has 11 MA's), (170, 37271), (173, 37259),

Gene: Breezona_32 Start: 28422, Stop: 28688, Start Num: 127
Candidate Starts for Breezona_32:
(Start: 127 @28422 has 245 MA's), (139, 28467), (156, 28518), (181, 28584), (207, 28656), (218, 28677),

Gene: Brewer_37 Start: 33383, Stop: 33628, Start Num: 127
Candidate Starts for Brewer_37:
(Start: 127 @33383 has 245 MA's), (145, 33440), (155, 33473), (158, 33479), (173, 33527), (175, 33533), (180, 33545),

Gene: Bricole_39 Start: 32748, Stop: 33026, Start Num: 110
Candidate Starts for Bricole_39:
(46, 32637), (Start: 110 @32748 has 15 MA's), (Start: 127 @32766 has 245 MA's), (146, 32829), (174, 32916), (176, 32925), (181, 32934),

Gene: Bromden_32 Start: 28137, Stop: 28400, Start Num: 127
Candidate Starts for Bromden_32:
(Start: 127 @28137 has 245 MA's), (139, 28182), (176, 28290), (207, 28371),

Gene: Bruin_37 Start: 33155, Stop: 33400, Start Num: 127
Candidate Starts for Bruin_37:
(Start: 127 @33155 has 245 MA's), (145, 33212), (155, 33245), (158, 33251), (175, 33305), (180, 33317),

Gene: BrutonGaster_100 Start: 65316, Stop: 65621, Start Num: 106
Candidate Starts for BrutonGaster_100:
(55, 65226), (Start: 106 @65316 has 2 MA's), (Start: 114 @65328 has 6 MA's), (175, 65496), (201, 65574),

Gene: Bryler_70 Start: 43476, Stop: 43715, Start Num: 129
Candidate Starts for Bryler_70:

(73, 43392), (Start: 129 @43476 has 146 MA's), (Start: 132 @43485 has 11 MA's), (155, 43566), (173, 43620),

Gene: Buck_36 Start: 33091, Stop: 33336, Start Num: 127
Candidate Starts for Buck_36:
(Start: 127 @33091 has 245 MA's), (145, 33148), (155, 33181), (158, 33187), (175, 33241), (180, 33253),

Gene: Bud_57 Start: 37340, Stop: 37068, Start Num: 87
Candidate Starts for Bud_57:
(Start: 87 @37340 has 127 MA's), (Start: 121 @37331 has 15 MA's), (180, 37160),

Gene: BugsBunny_35 Start: 32724, Stop: 32969, Start Num: 127
Candidate Starts for BugsBunny_35:
(Start: 127 @32724 has 245 MA's), (145, 32781), (155, 32814), (158, 32820), (175, 32874), (180, 32886),

Gene: Bugsy_60 Start: 38826, Stop: 38554, Start Num: 87
Candidate Starts for Bugsy_60:
(17, 39066), (22, 39027), (Start: 87 @38826 has 127 MA's), (Start: 121 @38817 has 15 MA's), (Start: 131 @38805 has 11 MA's), (Start: 132 @38799 has 11 MA's), (170, 38676),

Gene: Burton_63 Start: 42834, Stop: 42568, Start Num: 84
Candidate Starts for Burton_63:
(Start: 83 @42837 has 30 MA's), (Start: 84 @42834 has 118 MA's), (Start: 89 @42822 has 4 MA's), (Start: 132 @42801 has 11 MA's), (146, 42750), (149, 42735), (158, 42714), (168, 42684), (176, 42654), (210, 42579),

Gene: Butters_53 Start: 35513, Stop: 35761, Start Num: 118
Candidate Starts for Butters_53:
(30, 35339), (66, 35435), (Start: 118 @35513 has 37 MA's), (Start: 131 @35525 has 11 MA's), (155, 35609), (176, 35675), (178, 35678),

Gene: Buttons_59 Start: 38725, Stop: 38456, Start Num: 83
Candidate Starts for Buttons_59:
(Start: 83 @38725 has 30 MA's), (Start: 84 @38722 has 118 MA's), (Start: 89 @38710 has 4 MA's), (Start: 132 @38689 has 11 MA's), (146, 38638), (149, 38623), (158, 38602), (168, 38572), (176, 38542),

Gene: Bxb1_56 Start: 39835, Stop: 39569, Start Num: 84
Candidate Starts for Bxb1_56:
(Start: 83 @39838 has 30 MA's), (Start: 84 @39835 has 118 MA's), (Start: 89 @39823 has 4 MA's), (Start: 132 @39802 has 11 MA's), (146, 39751), (149, 39736), (158, 39715), (168, 39685), (176, 39655), (210, 39580),

Gene: C3_56 Start: 38705, Stop: 38394, Start Num: 64
Candidate Starts for C3_56:
(Start: 64 @38705 has 4 MA's), (Start: 87 @38666 has 127 MA's), (Start: 121 @38657 has 15 MA's), (154, 38564), (170, 38516), (180, 38486),

Gene: CREW_66 Start: 43622, Stop: 43864, Start Num: 129
Candidate Starts for CREW_66:
(Start: 129 @43622 has 146 MA's), (155, 43712), (190, 43808), (199, 43832),

Gene: Cactus_38 Start: 32346, Stop: 32591, Start Num: 127
Candidate Starts for Cactus_38:
(Start: 127 @32346 has 245 MA's), (145, 32403), (155, 32436), (158, 32442), (175, 32496), (180, 32508),

Gene: CactusRose_62 Start: 41174, Stop: 40908, Start Num: 84
Candidate Starts for CactusRose_62:
(Start: 83 @41177 has 30 MA's), (Start: 84 @41174 has 118 MA's), (Start: 89 @41162 has 4 MA's), (Start: 132 @41141 has 11 MA's), (146, 41090), (149, 41075), (158, 41054), (168, 41024), (176, 40994),

Gene: Cain_70 Start: 43464, Stop: 43703, Start Num: 129
Candidate Starts for Cain_70:
(73, 43380), (Start: 129 @43464 has 146 MA's), (Start: 132 @43473 has 11 MA's), (155, 43554), (173, 43608),

Gene: CallaLilly_66 Start: 43545, Stop: 43787, Start Num: 129
Candidate Starts for CallaLilly_66:
(Start: 129 @43545 has 146 MA's), (155, 43635), (190, 43731), (199, 43755),

Gene: Candle_40 Start: 36392, Stop: 36637, Start Num: 123
Candidate Starts for Candle_40:
(95, 36350), (Start: 123 @36392 has 9 MA's), (133, 36413), (137, 36434), (146, 36461), (182, 36560), (183, 36563), (185, 36566), (202, 36617),

Gene: Cappuccino_31 Start: 22494, Stop: 22760, Start Num: 116
Candidate Starts for Cappuccino_31:
(Start: 116 @22494 has 17 MA's), (Start: 124 @22503 has 24 MA's), (Start: 129 @22509 has 146 MA's), (148, 22572),

Gene: Capricorn_66 Start: 43622, Stop: 43864, Start Num: 129
Candidate Starts for Capricorn_66:
(Start: 129 @43622 has 146 MA's), (155, 43712), (190, 43808), (199, 43832),

Gene: Caraxes_58 Start: 36944, Stop: 36672, Start Num: 87
Candidate Starts for Caraxes_58:
(Start: 87 @36944 has 127 MA's), (Start: 132 @36917 has 11 MA's), (170, 36794), (173, 36782),

Gene: Carcharodon_50 Start: 34905, Stop: 35153, Start Num: 118
Candidate Starts for Carcharodon_50:
(12, 34491), (26, 34698), (30, 34731), (66, 34827), (Start: 118 @34905 has 37 MA's), (Start: 131 @34917 has 11 MA's), (Start: 132 @34923 has 11 MA's), (155, 35001), (176, 35067), (178, 35070),

Gene: CardboardBox_3 Start: 977, Stop: 1246, Start Num: 121
Candidate Starts for CardboardBox_3:
(Start: 121 @977 has 15 MA's),

Gene: Cardigan_134 Start: 76224, Stop: 76523, Start Num: 111
Candidate Starts for Cardigan_134:
(Start: 111 @76224 has 18 MA's), (140, 76284), (154, 76326), (158, 76335), (168, 76371), (176, 76401), (190, 76431),

Gene: Carlyle_62 Start: 39960, Stop: 39694, Start Num: 84
Candidate Starts for Carlyle_62:
(Start: 83 @39963 has 30 MA's), (Start: 84 @39960 has 118 MA's), (Start: 89 @39948 has 4 MA's), (Start: 132 @39924 has 11 MA's), (145, 39879), (149, 39861), (167, 39813), (168, 39810), (198, 39735), (210, 39705),

Gene: Caron_44 Start: 27999, Stop: 28262, Start Num: 121
Candidate Starts for Caron_44:
(44, 27885), (45, 27888), (Start: 121 @27999 has 15 MA's), (140, 28053),

Gene: CartmannCramer_60 Start: 42923, Stop: 42648, Start Num: 84
Candidate Starts for CartmannCramer_60:
(Start: 83 @42926 has 30 MA's), (Start: 84 @42923 has 118 MA's), (Start: 89 @42911 has 4 MA's), (Start: 132 @42881 has 11 MA's), (146, 42830), (149, 42815), (158, 42794), (168, 42764), (176, 42734),

Gene: CaseJules_68 Start: 43819, Stop: 44061, Start Num: 129
Candidate Starts for CaseJules_68:
(Start: 129 @43819 has 146 MA's), (155, 43909), (190, 44005), (199, 44029),

Gene: Cassia_34 Start: 25274, Stop: 25540, Start Num: 108
Candidate Starts for Cassia_34:
(Start: 108 @25274 has 27 MA's), (178, 25457),

Gene: Cassita_54 Start: 33514, Stop: 33735, Start Num: 129
Candidate Starts for Cassita_54:
(29, 33349), (39, 33376), (41, 33379), (Start: 129 @33514 has 146 MA's), (158, 33607),

Gene: CatBus_58 Start: 40961, Stop: 40695, Start Num: 84
Candidate Starts for CatBus_58:
(Start: 83 @40964 has 30 MA's), (Start: 84 @40961 has 118 MA's), (Start: 89 @40949 has 4 MA's), (Start: 132 @40928 has 11 MA's), (146, 40877), (149, 40862), (158, 40841), (168, 40811), (176, 40781),

Gene: Catalina_59 Start: 38226, Stop: 37954, Start Num: 87
Candidate Starts for Catalina_59:
(Start: 87 @38226 has 127 MA's), (Start: 121 @38217 has 15 MA's), (143, 38160), (154, 38124), (167, 38085), (175, 38058), (180, 38046),

Gene: Catfish_63 Start: 40933, Stop: 41151, Start Num: 131
Candidate Starts for Catfish_63:
(Start: 131 @40933 has 11 MA's), (138, 40966), (168, 41056),

Gene: Cece_195 Start: 119232, Stop: 118984, Start Num: 127
Candidate Starts for Cece_195:
(91, 119280), (Start: 101 @119265 has 2 MA's), (Start: 127 @119232 has 245 MA's), (166, 119118), (173, 119097), (195, 119052),

Gene: Celestialunch_57 Start: 38031, Stop: 37759, Start Num: 87
Candidate Starts for Celestialunch_57:
(Start: 87 @38031 has 127 MA's), (Start: 121 @38022 has 15 MA's), (154, 37929), (170, 37881), (175, 37863), (180, 37851), (197, 37806),

Gene: Cen1621_38 Start: 25188, Stop: 25475, Start Num: 100
Candidate Starts for Cen1621_38:
(Start: 100 @25188 has 1 MA's), (Start: 131 @25215 has 11 MA's), (172, 25371), (181, 25395),

Gene: ChamoyPickle_3 Start: 977, Stop: 1246, Start Num: 121
Candidate Starts for ChamoyPickle_3:
(Start: 121 @977 has 15 MA's),

Gene: Chanagan_56 Start: 38816, Stop: 38541, Start Num: 84
Candidate Starts for Chanagan_56:
(Start: 83 @38819 has 30 MA's), (Start: 84 @38816 has 118 MA's), (Start: 89 @38804 has 4 MA's), (Start: 132 @38774 has 11 MA's), (146, 38723), (149, 38708), (158, 38687), (168, 38657), (176, 38627),

Gene: Chancellor_70 Start: 43377, Stop: 43640, Start Num: 119
Candidate Starts for Chancellor_70:
(Start: 119 @43377 has 71 MA's), (Start: 131 @43392 has 11 MA's), (155, 43479), (188, 43575), (210, 43629),

Gene: Charlie_51 Start: 33657, Stop: 33905, Start Num: 118
Candidate Starts for Charlie_51:
(6, 33093), (16, 33312), (26, 33450), (30, 33483), (66, 33579), (Start: 118 @33657 has 37 MA's), (Start: 131 @33669 has 11 MA's), (155, 33753), (176, 33819), (178, 33822),

Gene: Charm_56 Start: 38090, Stop: 37818, Start Num: 87
Candidate Starts for Charm_56:
(Start: 87 @38090 has 127 MA's), (143, 38024), (154, 37988), (175, 37922), (180, 37910), (186, 37901),

Gene: Chaser_30 Start: 27536, Stop: 27799, Start Num: 127
Candidate Starts for Chaser_30:
(Start: 127 @27536 has 245 MA's), (139, 27581), (180, 27695),

Gene: Chavito_69 Start: 44664, Stop: 44903, Start Num: 129
Candidate Starts for Chavito_69:
(76, 44589), (Start: 129 @44664 has 146 MA's), (155, 44754), (173, 44808),

Gene: Che12_59 Start: 37385, Stop: 37113, Start Num: 87
Candidate Starts for Che12_59:
(Start: 87 @37385 has 127 MA's), (Start: 132 @37358 has 11 MA's), (141, 37322), (158, 37274), (170, 37235), (173, 37223), (180, 37205),

Gene: CheetoDust_66 Start: 43333, Stop: 43575, Start Num: 129
Candidate Starts for CheetoDust_66:
(88, 43288), (Start: 129 @43333 has 146 MA's), (155, 43423), (190, 43519), (199, 43543),

Gene: Cheetobro_70 Start: 43374, Stop: 43637, Start Num: 119
Candidate Starts for Cheetobro_70:
(Start: 119 @43374 has 71 MA's), (Start: 131 @43389 has 11 MA's), (155, 43476), (188, 43572), (210, 43626),

Gene: CherryTomatoes_78 Start: 28836, Stop: 29102, Start Num: 125
Candidate Starts for CherryTomatoes_78:

(Start: 125 @28836 has 4 MA's), (139, 28884), (180, 29004), (200, 29064),

Gene: Chewbacca_52 Start: 34905, Stop: 35153, Start Num: 118
Candidate Starts for Chewbacca_52:
(12, 34491), (26, 34698), (30, 34731), (66, 34827), (Start: 118 @34905 has 37 MA's), (Start: 131 @34917 has 11 MA's), (Start: 132 @34923 has 11 MA's), (155, 35001), (176, 35067), (178, 35070),

Gene: Chilliams_107 Start: 79905, Stop: 80147, Start Num: 127
Candidate Starts for Chilliams_107:
(93, 79857), (Start: 127 @79905 has 245 MA's), (155, 79995),

Gene: ChipMunk_60 Start: 40026, Stop: 39754, Start Num: 87
Candidate Starts for ChipMunk_60:
(Start: 87 @40026 has 127 MA's), (Start: 121 @40017 has 15 MA's), (Start: 131 @40005 has 11 MA's), (Start: 132 @39999 has 11 MA's), (170, 39876),

Gene: ChipsNGuac_3 Start: 977, Stop: 1246, Start Num: 121
Candidate Starts for ChipsNGuac_3:
(Start: 121 @977 has 15 MA's),

Gene: ChosenOne_37 Start: 32343, Stop: 32588, Start Num: 127
Candidate Starts for ChosenOne_37:
(Start: 127 @32343 has 245 MA's), (145, 32400), (155, 32433), (158, 32439), (175, 32493), (180, 32505),

Gene: ChotaBhai_37 Start: 32381, Stop: 32626, Start Num: 127
Candidate Starts for ChotaBhai_37:
(Start: 127 @32381 has 245 MA's), (145, 32438), (155, 32471), (158, 32477), (173, 32525), (175, 32531), (180, 32543),

Gene: Chris_69 Start: 44665, Stop: 44892, Start Num: 129
Candidate Starts for Chris_69:
(Start: 129 @44665 has 146 MA's), (173, 44797), (190, 44836),

Gene: ChristmasHams_56 Start: 38811, Stop: 38536, Start Num: 84
Candidate Starts for ChristmasHams_56:
(Start: 83 @38814 has 30 MA's), (Start: 84 @38811 has 118 MA's), (Start: 89 @38799 has 4 MA's), (Start: 132 @38769 has 11 MA's), (146, 38718), (149, 38703), (158, 38682), (168, 38652), (176, 38622),

Gene: Ciao_60 Start: 40180, Stop: 39914, Start Num: 84
Candidate Starts for Ciao_60:
(Start: 83 @40183 has 30 MA's), (Start: 84 @40180 has 118 MA's), (Start: 89 @40168 has 4 MA's), (Start: 132 @40147 has 11 MA's), (146, 40096), (149, 40081), (158, 40060), (168, 40030), (176, 40000),

Gene: Cjw1_37 Start: 33895, Stop: 34140, Start Num: 127
Candidate Starts for Cjw1_37:
(Start: 127 @33895 has 245 MA's), (145, 33952), (155, 33985), (158, 33991), (175, 34045), (180, 34057),

Gene: Clautastrophe_31 Start: 28784, Stop: 29050, Start Num: 127
Candidate Starts for Clautastrophe_31:

(Start: 127 @28784 has 245 MA's), (Start: 132 @28796 has 11 MA's), (139, 28829),

Gene: CliffHanger_37 Start: 24318, Stop: 24548, Start Num: 124
Candidate Starts for CliffHanger_37:
(Start: 124 @24318 has 24 MA's), (141, 24363), (161, 24441),

Gene: Clipper_70 Start: 44521, Stop: 44763, Start Num: 129
Candidate Starts for Clipper_70:
(Start: 129 @44521 has 146 MA's), (155, 44611), (190, 44707), (199, 44731),

Gene: ClubL_125 Start: 70565, Stop: 70858, Start Num: 111
Candidate Starts for ClubL_125:
(Start: 111 @70565 has 18 MA's), (137, 70613), (176, 70742),

Gene: CogOmlette_57 Start: 37986, Stop: 37714, Start Num: 87
Candidate Starts for CogOmlette_57:
(Start: 87 @37986 has 127 MA's), (Start: 121 @37977 has 15 MA's), (143, 37920), (154, 37884), (170, 37836),

Gene: Command613_38 Start: 33402, Stop: 33647, Start Num: 127
Candidate Starts for Command613_38:
(Start: 127 @33402 has 245 MA's), (145, 33459), (155, 33492), (158, 33498), (175, 33552), (180, 33564),

Gene: Community_34 Start: 26806, Stop: 27072, Start Num: 108
Candidate Starts for Community_34:
(18, 26569), (20, 26578), (Start: 108 @26806 has 27 MA's),

Gene: ConceptII_64 Start: 42246, Stop: 41980, Start Num: 84
Candidate Starts for ConceptII_64:
(Start: 83 @42249 has 30 MA's), (Start: 84 @42246 has 118 MA's), (Start: 89 @42234 has 4 MA's), (Start: 132 @42213 has 11 MA's), (146, 42162), (149, 42147), (158, 42126), (168, 42096), (176, 42066),

Gene: Conditioner_9 Start: 6356, Stop: 6033, Start Num: 119
Candidate Starts for Conditioner_9:
(74, 6422), (Start: 119 @6356 has 71 MA's), (140, 6305), (155, 6260), (163, 6242), (222, 6086),

Gene: Conquerage_58 Start: 38297, Stop: 38025, Start Num: 87
Candidate Starts for Conquerage_58:
(Start: 87 @38297 has 127 MA's), (Start: 121 @38288 has 15 MA's), (143, 38231), (154, 38195), (167, 38156), (175, 38129), (180, 38117),

Gene: Constella_44 Start: 40270, Stop: 40518, Start Num: 127
Candidate Starts for Constella_44:
(Start: 127 @40270 has 245 MA's), (138, 40309), (155, 40363), (156, 40366), (176, 40423), (191, 40459), (207, 40507),

Gene: Contagion_36 Start: 32639, Stop: 32884, Start Num: 127
Candidate Starts for Contagion_36:
(Start: 127 @32639 has 245 MA's), (145, 32696), (155, 32729), (158, 32735), (173, 32783), (175, 32789), (180, 32801),

Gene: Cookies_37 Start: 33004, Stop: 33249, Start Num: 127
Candidate Starts for Cookies_37:
(Start: 127 @33004 has 245 MA's), (145, 33061), (155, 33094), (158, 33100), (173, 33148), (175, 33154), (180, 33166),

Gene: Corn21_9 Start: 6384, Stop: 6061, Start Num: 119
Candidate Starts for Corn21_9:
(74, 6450), (Start: 119 @6384 has 71 MA's), (140, 6333), (155, 6288), (163, 6270), (199, 6165), (222, 6114),

Gene: Corvo_63 Start: 42111, Stop: 41845, Start Num: 84
Candidate Starts for Corvo_63:
(Start: 83 @42114 has 30 MA's), (Start: 84 @42111 has 118 MA's), (Start: 89 @42099 has 4 MA's), (Start: 132 @42078 has 11 MA's), (146, 42027), (149, 42012), (158, 41991), (168, 41961), (176, 41931), (210, 41856),

Gene: Cosmo_53 Start: 39361, Stop: 39609, Start Num: 127
Candidate Starts for Cosmo_53:
(Start: 127 @39361 has 245 MA's), (152, 39442), (168, 39490), (178, 39523), (180, 39526), (181, 39529), (198, 39562), (212, 39598),

Gene: Count_87 Start: 57913, Stop: 58173, Start Num: 119
Candidate Starts for Count_87:
(Start: 119 @57913 has 71 MA's),

Gene: Courthouse_51 Start: 40812, Stop: 41051, Start Num: 132
Candidate Starts for Courthouse_51:
(Start: 132 @40812 has 11 MA's), (138, 40839), (155, 40893), (156, 40896), (176, 40953), (191, 40989),

Gene: Crewmate_37 Start: 25536, Stop: 25778, Start Num: 109
Candidate Starts for Crewmate_37:
(18, 25278), (25, 25314), (Start: 109 @25536 has 5 MA's),

Gene: CrimD_68 Start: 44444, Stop: 44686, Start Num: 129
Candidate Starts for CrimD_68:
(Start: 129 @44444 has 146 MA's), (155, 44534), (190, 44630),

Gene: Crossroads_32 Start: 28422, Stop: 28688, Start Num: 127
Candidate Starts for Crossroads_32:
(Start: 127 @28422 has 245 MA's), (139, 28467), (156, 28518), (181, 28584), (207, 28656), (218, 28677),

Gene: Crucio_58 Start: 38443, Stop: 38171, Start Num: 87
Candidate Starts for Crucio_58:
(Start: 87 @38443 has 127 MA's), (Start: 121 @38434 has 15 MA's), (Start: 131 @38422 has 11 MA's), (Start: 132 @38416 has 11 MA's), (170, 38293),

Gene: CrunchyBoi_10 Start: 6445, Stop: 6122, Start Num: 119
Candidate Starts for CrunchyBoi_10:
(31, 6613), (47, 6562), (Start: 119 @6445 has 71 MA's), (140, 6394), (146, 6379), (163, 6331), (200, 6223), (222, 6175), (224, 6157),

Gene: CrystalP_37 Start: 33135, Stop: 33380, Start Num: 127
Candidate Starts for CrystalP_37:
(Start: 127 @33135 has 245 MA's), (145, 33192), (155, 33225), (158, 33231), (175, 33285), (180, 33297),

Gene: Cucurbita_126 Start: 72310, Stop: 72600, Start Num: 114
Candidate Starts for Cucurbita_126:
(53, 72202), (60, 72217), (85, 72262), (Start: 114 @72310 has 6 MA's), (137, 72355), (176, 72484),

Gene: Culver_125 Start: 70325, Stop: 70618, Start Num: 111
Candidate Starts for Culver_125:
(Start: 111 @70325 has 18 MA's), (137, 70373), (176, 70502),

Gene: Curiosium_70 Start: 43138, Stop: 43380, Start Num: 129
Candidate Starts for Curiosium_70:
(69, 43060), (Start: 129 @43138 has 146 MA's), (155, 43228), (190, 43324), (199, 43348),

Gene: Cyan_33 Start: 24752, Stop: 24994, Start Num: 108
Candidate Starts for Cyan_33:
(18, 24494), (Start: 108 @24752 has 27 MA's), (178, 24911),

Gene: Czyszczon1_38 Start: 32880, Stop: 33125, Start Num: 127
Candidate Starts for Czyszczon1_38:
(Start: 127 @32880 has 245 MA's), (145, 32937), (155, 32970), (158, 32976), (175, 33030), (180, 33042),

Gene: D29_56 Start: 38269, Stop: 37997, Start Num: 87
Candidate Starts for D29_56:
(Start: 87 @38269 has 127 MA's), (Start: 121 @38260 has 15 MA's), (154, 38167), (180, 38089), (199, 38035),

Gene: D32_59 Start: 38269, Stop: 37997, Start Num: 87
Candidate Starts for D32_59:
(Start: 87 @38269 has 127 MA's), (Start: 121 @38260 has 15 MA's), (154, 38167), (180, 38089), (199, 38035),

Gene: DBQu4n_60 Start: 38250, Stop: 37978, Start Num: 87
Candidate Starts for DBQu4n_60:
(Start: 87 @38250 has 127 MA's), (Start: 121 @38241 has 15 MA's), (154, 38148), (180, 38070), (199, 38016),

Gene: DD5_60 Start: 41693, Stop: 41418, Start Num: 84
Candidate Starts for DD5_60:
(Start: 84 @41693 has 118 MA's), (Start: 89 @41681 has 4 MA's), (Start: 132 @41651 has 11 MA's), (146, 41600), (149, 41585), (158, 41564), (167, 41537), (168, 41534), (176, 41504), (210, 41429),

Gene: DS6A_74 Start: 48826, Stop: 49065, Start Num: 129
Candidate Starts for DS6A_74:
(27, 48631), (Start: 129 @48826 has 146 MA's), (139, 48868), (150, 48901), (178, 48985),

Gene: Daddyjeff_52 Start: 34278, Stop: 34511, Start Num: 124
Candidate Starts for Daddyjeff_52:
(Start: 124 @34278 has 24 MA's), (168, 34413),

Gene: Daikon_36 Start: 32873, Stop: 33118, Start Num: 127
Candidate Starts for Daikon_36:
(Start: 127 @32873 has 245 MA's), (145, 32930), (155, 32963), (158, 32969), (173, 33017), (175, 33023), (180, 33035),

Gene: Dallas_54 Start: 43667, Stop: 43912, Start Num: 127
Candidate Starts for Dallas_54:
(Start: 127 @43667 has 245 MA's), (146, 43730), (155, 43760), (156, 43763), (178, 43823), (180, 43826), (181, 43829),

Gene: Dalmatian_59 Start: 38649, Stop: 38377, Start Num: 87
Candidate Starts for Dalmatian_59:
(Start: 87 @38649 has 127 MA's), (Start: 121 @38640 has 15 MA's), (Start: 131 @38628 has 11 MA's), (Start: 132 @38622 has 11 MA's), (170, 38499), (180, 38469),

Gene: Dalmuri_66 Start: 43622, Stop: 43864, Start Num: 129
Candidate Starts for Dalmuri_66:
(Start: 129 @43622 has 146 MA's), (155, 43712), (190, 43808), (199, 43832),

Gene: DanSyl44_73 Start: 44568, Stop: 44831, Start Num: 119
Candidate Starts for DanSyl44_73:
(Start: 119 @44568 has 71 MA's), (Start: 131 @44583 has 11 MA's), (155, 44670), (188, 44766), (210, 44820),

Gene: Dardanus_57 Start: 37159, Stop: 37398, Start Num: 131
Candidate Starts for Dardanus_57:
(53, 37051), (Start: 131 @37159 has 11 MA's), (140, 37201), (158, 37252), (160, 37255), (175, 37306), (178, 37315), (190, 37336),

Gene: Daredevil_75 Start: 52964, Stop: 52707, Start Num: 111
Candidate Starts for Daredevil_75:
(80, 53015), (88, 53000), (95, 52991), (97, 52988), (Start: 111 @52964 has 18 MA's), (178, 52793),

Gene: Darrell_60 Start: 38922, Stop: 38650, Start Num: 87
Candidate Starts for Darrell_60:
(Start: 87 @38922 has 127 MA's), (Start: 121 @38913 has 15 MA's), (143, 38856), (154, 38820), (170, 38772), (187, 38730),

Gene: DartGoblin_69 Start: 44180, Stop: 44422, Start Num: 129
Candidate Starts for DartGoblin_69:
(Start: 129 @44180 has 146 MA's), (155, 44270), (190, 44366), (199, 44390),

Gene: DarthP_66 Start: 43967, Stop: 44206, Start Num: 129
Candidate Starts for DarthP_66:
(Start: 129 @43967 has 146 MA's), (155, 44057), (174, 44117),

Gene: DarthPhader_54 Start: 39183, Stop: 38911, Start Num: 87
Candidate Starts for DarthPhader_54:
(Start: 87 @39183 has 127 MA's), (Start: 121 @39174 has 15 MA's), (154, 39081), (170, 39033), (176, 39009), (180, 39003),

Gene: Dartin_69 Start: 44123, Stop: 44362, Start Num: 128

Candidate Starts for Dartin_69:
(Start: 128 @44123 has 5 MA's), (155, 44213), (167, 44249), (173, 44267), (199, 44330),

Gene: Dashyla_9 Start: 6362, Stop: 6042, Start Num: 119
Candidate Starts for Dashyla_9:
(59, 6452), (Start: 119 @6362 has 71 MA's), (140, 6311), (146, 6296), (163, 6248), (219, 6107),

Gene: DatBoi_82 Start: 57093, Stop: 56827, Start Num: 111
Candidate Starts for DatBoi_82:
(94, 57123), (96, 57120), (Start: 111 @57093 has 18 MA's),

Gene: Deby_67 Start: 44105, Stop: 44347, Start Num: 129
Candidate Starts for Deby_67:
(Start: 129 @44105 has 146 MA's), (155, 44195), (190, 44291), (199, 44315),

Gene: DekHockey33_65 Start: 37959, Stop: 37690, Start Num: 115
Candidate Starts for DekHockey33_65:
(10, 38403), (15, 38301), (Start: 115 @37959 has 23 MA's), (180, 37782),

Gene: Devera_74 Start: 45458, Stop: 45700, Start Num: 129
Candidate Starts for Devera_74:
(Start: 129 @45458 has 146 MA's), (155, 45548), (190, 45644), (199, 45668),

Gene: Dexes_62 Start: 41896, Stop: 41630, Start Num: 84
Candidate Starts for Dexes_62:
(Start: 83 @41899 has 30 MA's), (Start: 84 @41896 has 118 MA's), (Start: 89 @41884 has 4 MA's), (Start: 132 @41863 has 11 MA's), (146, 41812), (149, 41797), (158, 41776), (168, 41746), (176, 41716), (210, 41641),

Gene: Dignity_60 Start: 38849, Stop: 38577, Start Num: 87
Candidate Starts for Dignity_60:
(Start: 87 @38849 has 127 MA's), (Start: 121 @38840 has 15 MA's), (Start: 131 @38828 has 11 MA's), (Start: 132 @38822 has 11 MA's), (170, 38699),

Gene: Diminimus_40 Start: 32761, Stop: 33039, Start Num: 110
Candidate Starts for Diminimus_40:
(46, 32650), (Start: 110 @32761 has 15 MA's), (Start: 127 @32779 has 245 MA's), (146, 32842), (174, 32929), (176, 32938), (181, 32947),

Gene: DinoDaryn_63 Start: 39006, Stop: 39230, Start Num: 131
Candidate Starts for DinoDaryn_63:
(Start: 131 @39006 has 11 MA's), (140, 39048), (155, 39093), (160, 39102), (175, 39153), (178, 39162), (190, 39183),

Gene: DirtDevil_60 Start: 40769, Stop: 40503, Start Num: 84
Candidate Starts for DirtDevil_60:
(Start: 83 @40772 has 30 MA's), (Start: 84 @40769 has 118 MA's), (Start: 89 @40757 has 4 MA's), (Start: 132 @40736 has 11 MA's), (146, 40685), (149, 40670), (158, 40649), (168, 40619), (176, 40589),

Gene: DismalFunk_69 Start: 46092, Stop: 46337, Start Num: 129
Candidate Starts for DismalFunk_69:

(Start: 87 @46035 has 127 MA's), (91, 46041), (Start: 129 @46092 has 146 MA's), (155, 46182), (168, 46218), (178, 46251),

Gene: DismalStressor_69 Start: 46092, Stop: 46337, Start Num: 129
Candidate Starts for DismalStressor_69:
(Start: 87 @46035 has 127 MA's), (91, 46041), (Start: 129 @46092 has 146 MA's), (155, 46182), (168, 46218), (178, 46251),

Gene: Divya_49 Start: 34038, Stop: 34328, Start Num: 110
Candidate Starts for Divya_49:
(Start: 110 @34038 has 15 MA's), (137, 34089), (141, 34104), (175, 34212), (181, 34227), (213, 34302),

Gene: DmpstrDiver_53 Start: 43660, Stop: 43905, Start Num: 127
Candidate Starts for DmpstrDiver_53:
(Start: 127 @43660 has 245 MA's), (146, 43723), (155, 43753), (156, 43756), (178, 43816), (180, 43819), (181, 43822),

Gene: DoctorDiddles_37 Start: 32297, Stop: 32542, Start Num: 127
Candidate Starts for DoctorDiddles_37:
(Start: 127 @32297 has 245 MA's), (145, 32354), (155, 32387), (158, 32393), (173, 32441), (175, 32447), (180, 32459),

Gene: Dodo_218 Start: 118119, Stop: 117865, Start Num: 127
Candidate Starts for Dodo_218:
(Start: 127 @118119 has 245 MA's), (164, 118005), (173, 117978), (195, 117933),

Gene: Dole_72 Start: 45461, Stop: 45703, Start Num: 129
Candidate Starts for Dole_72:
(Start: 129 @45461 has 146 MA's), (155, 45551), (190, 45647), (199, 45671),

Gene: Donkey_31 Start: 22496, Stop: 22762, Start Num: 116
Candidate Starts for Donkey_31:
(Start: 116 @22496 has 17 MA's), (Start: 124 @22505 has 24 MA's), (Start: 129 @22511 has 146 MA's), (148, 22574),

Gene: Doom_60 Start: 41667, Stop: 41392, Start Num: 84
Candidate Starts for Doom_60:
(Start: 83 @41670 has 30 MA's), (Start: 84 @41667 has 118 MA's), (Start: 89 @41655 has 4 MA's), (Start: 132 @41625 has 11 MA's), (146, 41574), (149, 41559), (158, 41538), (168, 41508), (176, 41478),

Gene: Douge_30 Start: 27474, Stop: 27737, Start Num: 127
Candidate Starts for Douge_30:
(Start: 127 @27474 has 245 MA's), (139, 27519), (155, 27567), (180, 27633),

Gene: Doughnut_69 Start: 45708, Stop: 45953, Start Num: 129
Candidate Starts for Doughnut_69:
(86, 45645), (Start: 129 @45708 has 146 MA's), (155, 45798), (178, 45867),

Gene: Dove_49 Start: 43194, Stop: 43442, Start Num: 127
Candidate Starts for Dove_49:

(Start: 127 @43194 has 245 MA's), (138, 43233), (155, 43287), (156, 43290), (176, 43347), (191, 43383), (207, 43431),

Gene: DrDrey_38 Start: 33627, Stop: 33872, Start Num: 127
Candidate Starts for DrDrey_38:
(Start: 127 @33627 has 245 MA's), (145, 33684), (155, 33717), (158, 33723), (175, 33777), (180, 33789),

Gene: DrFeelGood_58 Start: 40034, Stop: 39777, Start Num: 92
Candidate Starts for DrFeelGood_58:
(Start: 92 @40034 has 10 MA's), (Start: 108 @40016 has 27 MA's), (Start: 132 @40010 has 11 MA's), (146, 39959), (149, 39944), (158, 39923), (168, 39893), (176, 39863),

Gene: DrHayes_67 Start: 44362, Stop: 44604, Start Num: 129
Candidate Starts for DrHayes_67:
(Start: 129 @44362 has 146 MA's), (155, 44452), (190, 44548), (199, 44572),

Gene: DrManhattan_32 Start: 23095, Stop: 23340, Start Num: 124
Candidate Starts for DrManhattan_32:
(13, 22726), (18, 22840), (25, 22876), (Start: 124 @23095 has 24 MA's),

Gene: DrSeegs_32 Start: 28422, Stop: 28688, Start Num: 127
Candidate Starts for DrSeegs_32:
(Start: 127 @28422 has 245 MA's), (139, 28467), (156, 28518), (181, 28584), (207, 28656), (218, 28677),

Gene: DrSierra_32 Start: 23583, Stop: 23849, Start Num: 108
Candidate Starts for DrSierra_32:
(18, 23325), (25, 23361), (58, 23499), (Start: 108 @23583 has 27 MA's), (178, 23766),

Gene: DreamTeam1_56 Start: 37922, Stop: 37650, Start Num: 87
Candidate Starts for DreamTeam1_56:
(Start: 87 @37922 has 127 MA's), (143, 37856), (154, 37820), (175, 37754), (180, 37742), (186, 37733),

Gene: Dreamboat_63 Start: 40328, Stop: 40062, Start Num: 84
Candidate Starts for Dreamboat_63:
(Start: 84 @40328 has 118 MA's), (Start: 89 @40316 has 4 MA's), (Start: 108 @40301 has 27 MA's), (Start: 132 @40295 has 11 MA's), (146, 40244), (149, 40229), (158, 40208), (168, 40178), (176, 40148), (210, 40073),

Gene: DudeLittle_57 Start: 38415, Stop: 38143, Start Num: 87
Candidate Starts for DudeLittle_57:
(Start: 87 @38415 has 127 MA's), (Start: 121 @38406 has 15 MA's), (Start: 131 @38394 has 11 MA's), (Start: 132 @38388 has 11 MA's), (170, 38265), (180, 38235),

Gene: Duke13_55 Start: 43999, Stop: 44247, Start Num: 127
Candidate Starts for Duke13_55:
(Start: 127 @43999 has 245 MA's), (171, 44131),

Gene: Dulcie_62 Start: 42668, Stop: 42411, Start Num: 92
Candidate Starts for Dulcie_62:

(Start: 92 @42668 has 10 MA's), (Start: 108 @42650 has 27 MA's), (Start: 132 @42644 has 11 MA's), (146, 42593), (149, 42578), (158, 42557), (168, 42527), (176, 42497),

Gene: Dulcita_40 Start: 32761, Stop: 33039, Start Num: 110
Candidate Starts for Dulcita_40:
(46, 32650), (Start: 110 @32761 has 15 MA's), (Start: 127 @32779 has 245 MA's), (146, 32842), (174, 32929), (176, 32938), (181, 32947),

Gene: Dumbo_37 Start: 32602, Stop: 32847, Start Num: 127
Candidate Starts for Dumbo_37:
(Start: 127 @32602 has 245 MA's), (145, 32659), (155, 32692), (158, 32698), (175, 32752), (180, 32764),

Gene: DumpQuist_9 Start: 6359, Stop: 6036, Start Num: 119
Candidate Starts for DumpQuist_9:
(Start: 119 @6359 has 71 MA's), (140, 6308), (155, 6263), (163, 6245), (199, 6140), (222, 6089),

Gene: DuncansLeg_31 Start: 28758, Stop: 29024, Start Num: 127
Candidate Starts for DuncansLeg_31:
(Start: 127 @28758 has 245 MA's), (Start: 132 @28770 has 11 MA's), (139, 28803), (155, 28851),

Gene: DunneganBoMo_97 Start: 82929, Stop: 83189, Start Num: 127
Candidate Starts for DunneganBoMo_97:
(Start: 127 @82929 has 245 MA's), (195, 83118), (206, 83148), (207, 83151),

Gene: Duplicity_50 Start: 34914, Stop: 35162, Start Num: 118
Candidate Starts for Duplicity_50:
(12, 34500), (26, 34707), (30, 34740), (66, 34836), (Start: 118 @34914 has 37 MA's), (Start: 131 @34926 has 11 MA's), (Start: 132 @34932 has 11 MA's), (155, 35010), (176, 35076), (178, 35079),

Gene: Duplo_60 Start: 38306, Stop: 38034, Start Num: 87
Candidate Starts for Duplo_60:
(Start: 87 @38306 has 127 MA's), (Start: 121 @38297 has 15 MA's), (154, 38204), (180, 38126), (199, 38072),

Gene: Durfee_66 Start: 43819, Stop: 44061, Start Num: 129
Candidate Starts for Durfee_66:
(Start: 129 @43819 has 146 MA's), (155, 43909), (190, 44005), (199, 44029),

Gene: Dusk_36 Start: 32787, Stop: 33032, Start Num: 127
Candidate Starts for Dusk_36:
(Start: 127 @32787 has 245 MA's), (145, 32844), (155, 32877), (158, 32883), (173, 32931), (175, 32937), (180, 32949),

Gene: Dussy_62 Start: 41689, Stop: 41423, Start Num: 84
Candidate Starts for Dussy_62:
(Start: 83 @41692 has 30 MA's), (Start: 84 @41689 has 118 MA's), (Start: 89 @41677 has 4 MA's), (Start: 132 @41656 has 11 MA's), (146, 41605), (149, 41590), (158, 41569), (168, 41539), (176, 41509),

Gene: Dusty_122 Start: 70537, Stop: 70830, Start Num: 111
Candidate Starts for Dusty_122:
(Start: 111 @70537 has 18 MA's), (137, 70585), (176, 70714),

Gene: Dynamix_64 Start: 40678, Stop: 40409, Start Num: 83
Candidate Starts for Dynamix_64:
(Start: 83 @40678 has 30 MA's), (Start: 84 @40675 has 118 MA's), (Start: 89 @40663 has 4 MA's), (Start: 132 @40642 has 11 MA's), (149, 40576), (158, 40555), (168, 40525), (176, 40495), (210, 40420),

Gene: DyoEdafos_31 Start: 27675, Stop: 27938, Start Num: 127
Candidate Starts for DyoEdafos_31:
(Start: 127 @27675 has 245 MA's), (139, 27720), (180, 27834),

Gene: EGUnicorn_48 Start: 33605, Stop: 33853, Start Num: 118
Candidate Starts for EGUnicorn_48:
(12, 33191), (26, 33398), (30, 33431), (66, 33527), (Start: 118 @33605 has 37 MA's), (Start: 131 @33617 has 11 MA's), (Start: 132 @33623 has 11 MA's), (155, 33701), (176, 33767), (178, 33770),

Gene: EagleEye_60 Start: 38143, Stop: 37871, Start Num: 87
Candidate Starts for EagleEye_60:
(51, 38212), (Start: 87 @38143 has 127 MA's), (Start: 116 @38140 has 17 MA's), (Start: 121 @38134 has 15 MA's), (154, 38041), (168, 37999), (170, 37993), (180, 37963),

Gene: Easy2Say_39 Start: 34385, Stop: 34630, Start Num: 127
Candidate Starts for Easy2Say_39:
(Start: 127 @34385 has 245 MA's), (145, 34442), (155, 34475), (158, 34481), (175, 34535), (180, 34547),

Gene: Ebony_57 Start: 37357, Stop: 37085, Start Num: 87
Candidate Starts for Ebony_57:
(Start: 87 @37357 has 127 MA's), (Start: 121 @37348 has 15 MA's), (180, 37177),

Gene: Echild_58 Start: 37724, Stop: 37452, Start Num: 87
Candidate Starts for Echild_58:
(Start: 87 @37724 has 127 MA's), (Start: 121 @37715 has 15 MA's), (Start: 131 @37703 has 11 MA's), (Start: 132 @37697 has 11 MA's), (170, 37574),

Gene: Edtherson_61 Start: 41661, Stop: 41386, Start Num: 84
Candidate Starts for Edtherson_61:
(Start: 83 @41664 has 30 MA's), (Start: 84 @41661 has 118 MA's), (Start: 89 @41649 has 4 MA's), (Start: 132 @41619 has 11 MA's), (146, 41568), (149, 41553), (158, 41532), (168, 41502), (176, 41472),

Gene: Edugator_59 Start: 42504, Stop: 42752, Start Num: 129
Candidate Starts for Edugator_59:
(Start: 129 @42504 has 146 MA's), (149, 42579), (174, 42651),

Gene: Eevee_51 Start: 37090, Stop: 37338, Start Num: 124
Candidate Starts for Eevee_51:
(Start: 124 @37090 has 24 MA's), (158, 37189), (159, 37195), (176, 37249), (178, 37252), (181, 37258), (215, 37327),

Gene: Efra2_72 Start: 44206, Stop: 44448, Start Num: 129
Candidate Starts for Efra2_72:
(69, 44128), (Start: 129 @44206 has 146 MA's), (155, 44296), (190, 44392),

Gene: Eidsmoe_58 Start: 38289, Stop: 38017, Start Num: 87
Candidate Starts for Eidsmoe_58:
(Start: 87 @38289 has 127 MA's), (Start: 121 @38280 has 15 MA's), (143, 38223), (154, 38187), (167, 38148), (175, 38121), (180, 38109),

Gene: Ejimix_52 Start: 44918, Stop: 45163, Start Num: 127
Candidate Starts for Ejimix_52:
(Start: 127 @44918 has 245 MA's), (146, 44981), (155, 45011), (156, 45014), (178, 45074), (180, 45077), (181, 45080),

Gene: Ekdilam_63 Start: 44192, Stop: 44431, Start Num: 129
Candidate Starts for Ekdilam_63:
(Start: 129 @44192 has 146 MA's), (Start: 132 @44201 has 11 MA's), (155, 44282),

Gene: Elephantoon_57 Start: 37664, Stop: 37392, Start Num: 87
Candidate Starts for Elephantoon_57:
(Start: 87 @37664 has 127 MA's), (Start: 121 @37655 has 15 MA's), (143, 37598), (154, 37562), (167, 37523), (175, 37496), (180, 37484),

Gene: Elezi_34 Start: 26623, Stop: 26880, Start Num: 124
Candidate Starts for Elezi_34:
(18, 26386), (19, 26395), (Start: 124 @26623 has 24 MA's), (140, 26671), (180, 26788),

Gene: Elite2014_36 Start: 32342, Stop: 32587, Start Num: 127
Candidate Starts for Elite2014_36:
(Start: 127 @32342 has 245 MA's), (145, 32399), (155, 32432), (158, 32438), (175, 32492), (180, 32504),

Gene: Ellewin_99 Start: 82340, Stop: 82600, Start Num: 127
Candidate Starts for Ellewin_99:
(Start: 127 @82340 has 245 MA's), (195, 82529), (206, 82559), (207, 82562),

Gene: Ellie_62 Start: 43425, Stop: 43667, Start Num: 129
Candidate Starts for Ellie_62:
(71, 43356), (Start: 129 @43425 has 146 MA's), (Start: 132 @43434 has 11 MA's), (146, 43485), (155, 43515), (190, 43611), (199, 43635),

Gene: Ellson_31 Start: 28745, Stop: 29011, Start Num: 127
Candidate Starts for Ellson_31:
(Start: 127 @28745 has 245 MA's), (Start: 132 @28757 has 11 MA's), (139, 28790), (155, 28838),

Gene: Elph10_38 Start: 32605, Stop: 32850, Start Num: 127
Candidate Starts for Elph10_38:
(Start: 127 @32605 has 245 MA's), (145, 32662), (155, 32695), (158, 32701), (175, 32755), (180, 32767),

Gene: Emerson_68 Start: 43939, Stop: 44181, Start Num: 129
Candidate Starts for Emerson_68:
(Start: 129 @43939 has 146 MA's), (155, 44029), (190, 44125), (199, 44149),

Gene: Emmetator_100 Start: 82884, Stop: 83144, Start Num: 127
Candidate Starts for Emmetator_100:

(Start: 127 @82884 has 245 MA's), (195, 83073), (206, 83103), (207, 83106),

Gene: Emmina_38 Start: 32963, Stop: 33208, Start Num: 127
Candidate Starts for Emmina_38:
(Start: 127 @32963 has 245 MA's), (145, 33020), (155, 33053), (158, 33059), (175, 33113), (180, 33125),

Gene: Emotion_38 Start: 26311, Stop: 26598, Start Num: 119
Candidate Starts for Emotion_38:
(Start: 84 @26266 has 118 MA's), (Start: 119 @26311 has 71 MA's),

Gene: EmyBug_57 Start: 38291, Stop: 38019, Start Num: 87
Candidate Starts for EmyBug_57:
(Start: 87 @38291 has 127 MA's), (Start: 121 @38282 has 15 MA's), (143, 38225), (154, 38189), (167, 38150), (175, 38123), (180, 38111),

Gene: Engineer_127 Start: 71970, Stop: 72260, Start Num: 114
Candidate Starts for Engineer_127:
(53, 71862), (60, 71877), (85, 71922), (Start: 114 @71970 has 6 MA's), (137, 72015), (176, 72144),

Gene: EniyanLRS_50 Start: 39059, Stop: 39307, Start Num: 127
Candidate Starts for EniyanLRS_50:
(Start: 127 @39059 has 245 MA's), (152, 39140), (168, 39188), (178, 39221), (180, 39224), (181, 39227), (198, 39260), (212, 39296),

Gene: EnzoK_62 Start: 38636, Stop: 38361, Start Num: 84
Candidate Starts for EnzoK_62:
(Start: 83 @38639 has 30 MA's), (Start: 84 @38636 has 118 MA's), (Start: 89 @38624 has 4 MA's), (Start: 132 @38594 has 11 MA's), (146, 38543), (149, 38528), (158, 38507), (168, 38477), (176, 38447), (189, 38423), (210, 38372),

Gene: Eponine_72 Start: 44220, Stop: 44483, Start Num: 119
Candidate Starts for Eponine_72:
(Start: 119 @44220 has 71 MA's), (Start: 131 @44235 has 11 MA's), (155, 44322), (188, 44418), (204, 44463), (210, 44472),

Gene: Epsocamisio_61 Start: 37202, Stop: 36933, Start Num: 115
Candidate Starts for Epsocamisio_61:
(10, 37646), (11, 37622), (15, 37544), (Start: 115 @37202 has 23 MA's), (180, 37025),

Gene: Eraser_34 Start: 26614, Stop: 26871, Start Num: 124
Candidate Starts for Eraser_34:
(18, 26377), (19, 26386), (Start: 124 @26614 has 24 MA's), (140, 26662), (180, 26779),

Gene: Erasmago_208 Start: 112982, Stop: 112728, Start Num: 127
Candidate Starts for Erasmago_208:
(37, 113141), (38, 113132), (56, 113096), (65, 113075), (93, 113030), (Start: 127 @112982 has 245 MA's), (173, 112841),

Gene: EricMillard_52 Start: 44419, Stop: 44664, Start Num: 127
Candidate Starts for EricMillard_52:
(Start: 127 @44419 has 245 MA's), (146, 44482), (155, 44512), (156, 44515), (178, 44575), (180, 44578), (181, 44581),

Gene: Estes_45 Start: 34058, Stop: 34309, Start Num: 127
Candidate Starts for Estes_45:
(Start: 127 @34058 has 245 MA's), (155, 34151), (172, 34202), (173, 34205), (203, 34274),

Gene: Et2Brutus_56 Start: 37320, Stop: 37048, Start Num: 87
Candidate Starts for Et2Brutus_56:
(Start: 87 @37320 has 127 MA's), (Start: 121 @37311 has 15 MA's), (180, 37140),

Gene: EugeneKrabs_9 Start: 6127, Stop: 5798, Start Num: 119
Candidate Starts for EugeneKrabs_9:
(Start: 119 @6127 has 71 MA's), (140, 6073), (173, 5974), (199, 5905), (210, 5881), (224, 5836),

Gene: Euphoria_60 Start: 40818, Stop: 40552, Start Num: 84
Candidate Starts for Euphoria_60:
(Start: 83 @40821 has 30 MA's), (Start: 84 @40818 has 118 MA's), (Start: 89 @40806 has 4 MA's), (Start: 132 @40785 has 11 MA's), (146, 40734), (149, 40719), (168, 40668), (198, 40593), (210, 40563),

Gene: Eureka_38 Start: 33647, Stop: 33895, Start Num: 124
Candidate Starts for Eureka_38:
(79, 33578), (81, 33581), (98, 33608), (Start: 124 @33647 has 24 MA's), (145, 33707), (155, 33740), (158, 33746), (175, 33800), (180, 33812),

Gene: EvilGenius_60 Start: 40027, Stop: 39755, Start Num: 87
Candidate Starts for EvilGenius_60:
(Start: 87 @40027 has 127 MA's), (Start: 121 @40018 has 15 MA's), (Start: 131 @40006 has 11 MA's), (Start: 132 @40000 has 11 MA's), (170, 39877),

Gene: ExplosioNervosa_58 Start: 38348, Stop: 38085, Start Num: 121
Candidate Starts for ExplosioNervosa_58:
(Start: 87 @38357 has 127 MA's), (Start: 121 @38348 has 15 MA's), (143, 38291), (154, 38255), (167, 38216), (175, 38189), (180, 38177),

Gene: Eyeball_64 Start: 42166, Stop: 41900, Start Num: 84
Candidate Starts for Eyeball_64:
(Start: 83 @42169 has 30 MA's), (Start: 84 @42166 has 118 MA's), (Start: 89 @42154 has 4 MA's), (Start: 132 @42133 has 11 MA's), (146, 42082), (149, 42067), (158, 42046), (164, 42025), (168, 42016), (176, 41986), (210, 41911),

Gene: Ezurina_2 Start: 591, Stop: 860, Start Num: 121
Candidate Starts for Ezurina_2:
(Start: 121 @591 has 15 MA's), (155, 687), (173, 741),

Gene: Faith1_32 Start: 28422, Stop: 28688, Start Num: 127
Candidate Starts for Faith1_32:
(Start: 127 @28422 has 245 MA's), (139, 28467), (156, 28518), (181, 28584), (207, 28656), (218, 28677),

Gene: Fajezeel_63 Start: 40885, Stop: 40616, Start Num: 83
Candidate Starts for Fajezeel_63:
(Start: 83 @40885 has 30 MA's), (Start: 84 @40882 has 118 MA's), (Start: 89 @40870 has 4 MA's), (Start: 132 @40849 has 11 MA's), (146, 40798), (149, 40783), (158, 40762), (168, 40732), (176,

40702), (210, 40627),

Gene: Fameo_58 Start: 38774, Stop: 38502, Start Num: 87
Candidate Starts for Fameo_58:
(Start: 87 @38774 has 127 MA's), (Start: 121 @38765 has 15 MA's), (Start: 131 @38753 has 11 MA's), (Start: 132 @38747 has 11 MA's), (170, 38624), (180, 38594),

Gene: Fascinus_56 Start: 40671, Stop: 40402, Start Num: 83
Candidate Starts for Fascinus_56:
(Start: 83 @40671 has 30 MA's), (Start: 84 @40668 has 118 MA's), (Start: 89 @40656 has 4 MA's), (Start: 132 @40635 has 11 MA's), (146, 40584), (149, 40569), (158, 40548), (168, 40518), (176, 40488),

Gene: FatCactus_50 Start: 35904, Stop: 35632, Start Num: 87
Candidate Starts for FatCactus_50:
(Start: 87 @35904 has 127 MA's), (Start: 121 @35895 has 15 MA's), (170, 35754), (180, 35724),

Gene: Fayely_58 Start: 38258, Stop: 37986, Start Num: 87
Candidate Starts for Fayely_58:
(Start: 87 @38258 has 127 MA's), (Start: 121 @38249 has 15 MA's), (143, 38192), (154, 38156), (167, 38117), (175, 38090), (180, 38078),

Gene: Fede_9 Start: 6342, Stop: 6010, Start Num: 119
Candidate Starts for Fede_9:
(Start: 119 @6342 has 71 MA's), (137, 6303), (140, 6291), (147, 6273), (173, 6192), (219, 6087),

Gene: Fefferhead_64 Start: 43334, Stop: 43576, Start Num: 129
Candidate Starts for Fefferhead_64:
(71, 43265), (Start: 129 @43334 has 146 MA's), (Start: 132 @43343 has 11 MA's), (146, 43394), (155, 43424), (190, 43520),

Gene: Fenn_64 Start: 42653, Stop: 42378, Start Num: 84
Candidate Starts for Fenn_64:
(Start: 84 @42653 has 118 MA's), (Start: 89 @42641 has 4 MA's), (Start: 132 @42611 has 11 MA's), (146, 42560), (149, 42545), (158, 42524), (164, 42503), (168, 42494), (176, 42464), (210, 42389),

Gene: Feyre_63 Start: 44492, Stop: 44740, Start Num: 129
Candidate Starts for Feyre_63:
(Start: 129 @44492 has 146 MA's), (149, 44567), (174, 44639), (184, 44663),

Gene: Fibonacci_57 Start: 37326, Stop: 37054, Start Num: 87
Candidate Starts for Fibonacci_57:
(Start: 87 @37326 has 127 MA's), (Start: 121 @37317 has 15 MA's), (180, 37146),

Gene: Filch_38 Start: 32893, Stop: 33138, Start Num: 127
Candidate Starts for Filch_38:
(Start: 127 @32893 has 245 MA's), (145, 32950), (155, 32983), (158, 32989), (175, 33043), (180, 33055),

Gene: Findley_69 Start: 46086, Stop: 46331, Start Num: 129
Candidate Starts for Findley_69:
(86, 46023), (Start: 129 @46086 has 146 MA's), (155, 46176), (178, 46245),

Gene: Finemlucis_32 Start: 28698, Stop: 28964, Start Num: 127
Candidate Starts for Finemlucis_32:
(Start: 127 @28698 has 245 MA's), (139, 28743), (156, 28794), (181, 28860), (207, 28932), (218, 28953),

Gene: Finnry_31 Start: 28788, Stop: 29054, Start Num: 127
Candidate Starts for Finnry_31:
(Start: 127 @28788 has 245 MA's), (Start: 132 @28800 has 11 MA's), (139, 28833),

Gene: Fionnbharth_70 Start: 43618, Stop: 43881, Start Num: 119
Candidate Starts for Fionnbharth_70:
(Start: 119 @43618 has 71 MA's), (Start: 131 @43633 has 11 MA's), (155, 43720), (188, 43816), (210, 43870),

Gene: FireRed_37 Start: 33163, Stop: 33408, Start Num: 127
Candidate Starts for FireRed_37:
(Start: 127 @33163 has 245 MA's), (145, 33220), (155, 33253), (158, 33259), (175, 33313), (180, 33325),

Gene: FiringLine_58 Start: 38424, Stop: 38152, Start Num: 87
Candidate Starts for FiringLine_58:
(Start: 87 @38424 has 127 MA's), (Start: 121 @38415 has 15 MA's), (Start: 131 @38403 has 11 MA's), (Start: 132 @38397 has 11 MA's), (170, 38274),

Gene: FiveHead_43 Start: 26555, Stop: 26893, Start Num: 119
Candidate Starts for FiveHead_43:
(37, 26408), (Start: 119 @26555 has 71 MA's),

Gene: Flaverint_58 Start: 37784, Stop: 37512, Start Num: 87
Candidate Starts for Flaverint_58:
(Start: 87 @37784 has 127 MA's), (Start: 121 @37775 has 15 MA's), (180, 37604),

Gene: Floof_43 Start: 27647, Stop: 27949, Start Num: 115
Candidate Starts for Floof_43:
(Start: 115 @27647 has 23 MA's), (Start: 131 @27665 has 11 MA's), (153, 27767), (158, 27785), (167, 27818), (209, 27932),

Gene: FloraSnap32_108 Start: 86040, Stop: 86288, Start Num: 127
Candidate Starts for FloraSnap32_108:
(Start: 127 @86040 has 245 MA's), (Start: 131 @86046 has 11 MA's), (Start: 132 @86052 has 11 MA's),

Gene: Flutur_33 Start: 24982, Stop: 25248, Start Num: 108
Candidate Starts for Flutur_33:
(18, 24724), (25, 24760), (Start: 108 @24982 has 27 MA's), (178, 25165),

Gene: Flypotenuse_35 Start: 32731, Stop: 32976, Start Num: 127
Candidate Starts for Flypotenuse_35:
(Start: 127 @32731 has 245 MA's), (145, 32788), (155, 32821), (158, 32827), (173, 32875), (175, 32881), (180, 32893),

Gene: FoghornLeghorn_36 Start: 32639, Stop: 32884, Start Num: 127
Candidate Starts for FoghornLeghorn_36:

(Start: 127 @32639 has 245 MA's), (145, 32696), (155, 32729), (158, 32735), (175, 32789), (180, 32801),

Gene: Footloose_59 Start: 33811, Stop: 34044, Start Num: 124
Candidate Starts for Footloose_59:
(Start: 124 @33811 has 24 MA's), (Start: 132 @33826 has 11 MA's), (153, 33895), (168, 33931), (171, 33940), (180, 33967),

Gene: Forester_68 Start: 28747, Stop: 29004, Start Num: 121
Candidate Starts for Forester_68:
(Start: 121 @28747 has 15 MA's), (140, 28801), (181, 28927), (189, 28939), (194, 28951),

Gene: Francis47_60 Start: 41735, Stop: 41460, Start Num: 84
Candidate Starts for Francis47_60:
(Start: 83 @41738 has 30 MA's), (Start: 84 @41735 has 118 MA's), (Start: 89 @41723 has 4 MA's), (Start: 132 @41693 has 11 MA's), (146, 41642), (149, 41627), (158, 41606), (168, 41576), (176, 41546),

Gene: FreakyGoo_40 Start: 32780, Stop: 33040, Start Num: 127
Candidate Starts for FreakyGoo_40:
(46, 32651), (Start: 110 @32762 has 15 MA's), (Start: 127 @32780 has 245 MA's), (146, 32843), (174, 32930), (176, 32939), (181, 32948),

Gene: Froghopper_60 Start: 40239, Stop: 39964, Start Num: 84
Candidate Starts for Froghopper_60:
(Start: 83 @40242 has 30 MA's), (Start: 84 @40239 has 118 MA's), (Start: 89 @40227 has 4 MA's), (Start: 132 @40197 has 11 MA's), (146, 40146), (149, 40131), (158, 40110), (168, 40080), (176, 40050), (210, 39975),

Gene: FrostedClock_111 Start: 87337, Stop: 87585, Start Num: 127
Candidate Starts for FrostedClock_111:
(Start: 127 @87337 has 245 MA's), (Start: 131 @87343 has 11 MA's), (Start: 132 @87349 has 11 MA's),

Gene: Fulbright_49 Start: 33994, Stop: 34242, Start Num: 118
Candidate Starts for Fulbright_49:
(12, 33580), (26, 33787), (30, 33820), (66, 33916), (Start: 118 @33994 has 37 MA's), (Start: 131 @34006 has 11 MA's), (Start: 132 @34012 has 11 MA's), (155, 34090), (176, 34156), (178, 34159),

Gene: Fullmetal_9 Start: 6128, Stop: 5772, Start Num: 119
Candidate Starts for Fullmetal_9:
(Start: 119 @6128 has 71 MA's), (137, 6089), (141, 6074), (171, 5987), (173, 5978), (216, 5870), (220, 5861), (224, 5822),

Gene: Fushigi_58 Start: 39205, Stop: 38936, Start Num: 83
Candidate Starts for Fushigi_58:
(Start: 83 @39205 has 30 MA's), (Start: 84 @39202 has 118 MA's), (Start: 89 @39190 has 4 MA's), (Start: 132 @39169 has 11 MA's), (146, 39118), (149, 39103), (158, 39082), (168, 39052), (176, 39022),

Gene: Gabriela_32 Start: 28684, Stop: 28950, Start Num: 127
Candidate Starts for Gabriela_32:

(Start: 127 @28684 has 245 MA's), (139, 28729), (156, 28780), (181, 28846), (207, 28918), (218, 28939),

Gene: Gachnar_62 Start: 41366, Stop: 41091, Start Num: 84
Candidate Starts for Gachnar_62:
(70, 41390), (Start: 83 @41369 has 30 MA's), (Start: 84 @41366 has 118 MA's), (Start: 89 @41354 has 4 MA's), (146, 41273), (149, 41258), (158, 41237), (168, 41207), (176, 41177), (210, 41102),

Gene: Gage_39 Start: 33125, Stop: 33370, Start Num: 127
Candidate Starts for Gage_39:
(Start: 127 @33125 has 245 MA's), (145, 33182), (155, 33215), (158, 33221), (175, 33275), (180, 33287),

Gene: GageAP_63 Start: 41646, Stop: 41380, Start Num: 84
Candidate Starts for GageAP_63:
(Start: 83 @41649 has 30 MA's), (Start: 84 @41646 has 118 MA's), (Start: 89 @41634 has 4 MA's), (Start: 132 @41613 has 11 MA's), (146, 41562), (149, 41547), (158, 41526), (168, 41496), (176, 41466), (210, 41391),

Gene: Gambol_31 Start: 22494, Stop: 22760, Start Num: 116
Candidate Starts for Gambol_31:
(Start: 116 @22494 has 17 MA's), (Start: 124 @22503 has 24 MA's), (Start: 129 @22509 has 146 MA's), (148, 22572),

Gene: Gandalf20_64 Start: 42393, Stop: 42118, Start Num: 84
Candidate Starts for Gandalf20_64:
(Start: 83 @42396 has 30 MA's), (Start: 84 @42393 has 118 MA's), (Start: 89 @42381 has 4 MA's), (Start: 132 @42351 has 11 MA's), (146, 42300), (149, 42285), (158, 42264), (168, 42234), (176, 42204),

Gene: Ganymede_66 Start: 43845, Stop: 44087, Start Num: 129
Candidate Starts for Ganymede_66:
(Start: 129 @43845 has 146 MA's), (155, 43935), (190, 44031), (199, 44055),

Gene: Gardann_32 Start: 28424, Stop: 28690, Start Num: 127
Candidate Starts for Gardann_32:
(Start: 127 @28424 has 245 MA's), (139, 28469), (156, 28520), (181, 28586), (207, 28658), (218, 28679),

Gene: GardenSalsa_44 Start: 33882, Stop: 34133, Start Num: 127
Candidate Starts for GardenSalsa_44:
(Start: 127 @33882 has 245 MA's), (172, 34026), (173, 34029), (178, 34044), (203, 34098),

Gene: GardenState_42 Start: 27075, Stop: 27341, Start Num: 121
Candidate Starts for GardenState_42:
(Start: 121 @27075 has 15 MA's),

Gene: Gator_35 Start: 32743, Stop: 32988, Start Num: 127
Candidate Starts for Gator_35:
(Start: 127 @32743 has 245 MA's), (145, 32800), (155, 32833), (158, 32839), (175, 32893), (180, 32905),

Gene: Geeche_123 Start: 70760, Stop: 71053, Start Num: 111

Candidate Starts for Geeche_123:
(Start: 111 @70760 has 18 MA's), (137, 70808), (176, 70937),

Gene: Gemini_40 Start: 33642, Stop: 33887, Start Num: 127
Candidate Starts for Gemini_40:
(Start: 127 @33642 has 245 MA's), (145, 33699), (155, 33732), (158, 33738), (175, 33792), (180, 33804),

Gene: GenevaB15_44 Start: 33930, Stop: 34181, Start Num: 127
Candidate Starts for GenevaB15_44:
(Start: 127 @33930 has 245 MA's), (155, 34023), (172, 34074), (173, 34077), (178, 34092), (203, 34146),

Gene: Georgie2_59 Start: 38469, Stop: 38197, Start Num: 87
Candidate Starts for Georgie2_59:
(Start: 87 @38469 has 127 MA's), (Start: 121 @38460 has 15 MA's), (Start: 131 @38448 has 11 MA's), (Start: 132 @38442 has 11 MA's),

Gene: Geraldini_69 Start: 44501, Stop: 44743, Start Num: 129
Candidate Starts for Geraldini_69:
(Start: 129 @44501 has 146 MA's), (155, 44591), (190, 44687), (199, 44711),

Gene: Gerri43_3 Start: 977, Stop: 1246, Start Num: 121
Candidate Starts for Gerri43_3:
(Start: 121 @977 has 15 MA's),

Gene: Gex_50 Start: 34921, Stop: 35169, Start Num: 118
Candidate Starts for Gex_50:
(12, 34507), (26, 34714), (30, 34747), (66, 34843), (Start: 118 @34921 has 37 MA's), (Start: 131 @34933 has 11 MA's), (Start: 132 @34939 has 11 MA's), (155, 35017), (176, 35083), (178, 35086),

Gene: Gilberta_58 Start: 37777, Stop: 37505, Start Num: 87
Candidate Starts for Gilberta_58:
(Start: 87 @37777 has 127 MA's), (Start: 121 @37768 has 15 MA's), (180, 37597),

Gene: Giorgio_31 Start: 22596, Stop: 22862, Start Num: 116
Candidate Starts for Giorgio_31:
(Start: 116 @22596 has 17 MA's), (Start: 129 @22611 has 146 MA's), (148, 22674), (192, 22794),

Gene: Glaske16_40 Start: 32761, Stop: 33039, Start Num: 110
Candidate Starts for Glaske16_40:
(46, 32650), (Start: 110 @32761 has 15 MA's), (Start: 127 @32779 has 245 MA's), (146, 32842), (174, 32929), (176, 32938), (181, 32947),

Gene: Glexan_35 Start: 32731, Stop: 32976, Start Num: 127
Candidate Starts for Glexan_35:
(Start: 127 @32731 has 245 MA's), (145, 32788), (155, 32821), (158, 32827), (173, 32875), (175, 32881), (180, 32893),

Gene: Goib_64 Start: 40122, Stop: 40346, Start Num: 131
Candidate Starts for Goib_64:
(Start: 131 @40122 has 11 MA's), (140, 40164), (155, 40209), (160, 40218), (175, 40269), (178, 40278),

Gene: Goku_38 Start: 33376, Stop: 33624, Start Num: 124
Candidate Starts for Goku_38:
(79, 33307), (81, 33310), (98, 33337), (Start: 124 @33376 has 24 MA's), (145, 33436), (155, 33469), (158, 33475), (175, 33529), (180, 33541),

Gene: GoldDust_40 Start: 33666, Stop: 33986, Start Num: 110
Candidate Starts for GoldDust_40:
(Start: 110 @33666 has 15 MA's), (141, 33732), (195, 33912), (213, 33957),

Gene: GoldenEssence_94 Start: 80932, Stop: 81180, Start Num: 127
Candidate Starts for GoldenEssence_94:
(Start: 127 @80932 has 245 MA's), (Start: 131 @80938 has 11 MA's), (Start: 132 @80944 has 11 MA's),

Gene: GoldenSpark_39 Start: 33125, Stop: 33370, Start Num: 127
Candidate Starts for GoldenSpark_39:
(Start: 127 @33125 has 245 MA's), (145, 33182), (155, 33215), (158, 33221), (175, 33275), (180, 33287),

Gene: Goldilocks_38 Start: 32545, Stop: 32790, Start Num: 127
Candidate Starts for Goldilocks_38:
(Start: 127 @32545 has 245 MA's), (145, 32602), (155, 32635), (158, 32641), (175, 32695), (180, 32707),

Gene: Gompeii16_61 Start: 42810, Stop: 42544, Start Num: 84
Candidate Starts for Gompeii16_61:
(Start: 83 @42813 has 30 MA's), (Start: 84 @42810 has 118 MA's), (Start: 89 @42798 has 4 MA's), (Start: 132 @42777 has 11 MA's), (146, 42726), (149, 42711), (158, 42690), (168, 42660), (176, 42630),

Gene: GooberAzure_39 Start: 33125, Stop: 33370, Start Num: 127
Candidate Starts for GooberAzure_39:
(Start: 127 @33125 has 245 MA's), (145, 33182), (155, 33215), (158, 33221), (175, 33275), (180, 33287),

Gene: Gooberta_40 Start: 33665, Stop: 33985, Start Num: 110
Candidate Starts for Gooberta_40:
(Start: 110 @33665 has 15 MA's), (141, 33731), (195, 33911), (213, 33956),

Gene: Graduation_66 Start: 42500, Stop: 42234, Start Num: 84
Candidate Starts for Graduation_66:
(Start: 83 @42503 has 30 MA's), (Start: 84 @42500 has 118 MA's), (Start: 89 @42488 has 4 MA's), (Start: 132 @42467 has 11 MA's), (146, 42416), (149, 42401), (158, 42380), (168, 42350), (176, 42320), (210, 42245),

Gene: GrecoEtereo_61 Start: 40288, Stop: 40022, Start Num: 84
Candidate Starts for GrecoEtereo_61:
(Start: 83 @40291 has 30 MA's), (Start: 84 @40288 has 118 MA's), (Start: 89 @40276 has 4 MA's), (Start: 132 @40255 has 11 MA's), (146, 40204), (149, 40189), (158, 40168), (168, 40138), (176, 40108),

Gene: Greely_81 Start: 31000, Stop: 31251, Start Num: 127

Candidate Starts for Greely_81:
(Start: 127 @31000 has 245 MA's), (140, 31045), (167, 31126),

Gene: Greep_38 Start: 33455, Stop: 33700, Start Num: 127
Candidate Starts for Greep_38:
(Start: 127 @33455 has 245 MA's), (145, 33512), (155, 33545), (158, 33551), (175, 33605), (180, 33617),

Gene: Greg_63 Start: 40885, Stop: 40616, Start Num: 83
Candidate Starts for Greg_63:
(Start: 83 @40885 has 30 MA's), (Start: 84 @40882 has 118 MA's), (Start: 89 @40870 has 4 MA's), (Start: 132 @40849 has 11 MA's), (146, 40798), (149, 40783), (158, 40762), (168, 40732), (176, 40702), (210, 40627),

Gene: Gretchen_42 Start: 28431, Stop: 28688, Start Num: 121
Candidate Starts for Gretchen_42:
(Start: 121 @28431 has 15 MA's), (140, 28485), (181, 28611), (189, 28623), (194, 28635),

Gene: GroundGoblin_59 Start: 40911, Stop: 40645, Start Num: 84
Candidate Starts for GroundGoblin_59:
(Start: 83 @40914 has 30 MA's), (Start: 84 @40911 has 118 MA's), (Start: 89 @40899 has 4 MA's), (Start: 132 @40878 has 11 MA's), (146, 40827), (149, 40812), (158, 40791), (168, 40761), (176, 40731),

Gene: Gsput1_55 Start: 37586, Stop: 37813, Start Num: 131
Candidate Starts for Gsput1_55:
(Start: 131 @37586 has 11 MA's), (140, 37628), (154, 37670), (176, 37739), (187, 37748), (203, 37796),

Gene: Guanica15_71 Start: 43944, Stop: 44186, Start Num: 129
Candidate Starts for Guanica15_71:
(69, 43866), (Start: 129 @43944 has 146 MA's), (190, 44130),

Gene: Guillsminger_61 Start: 42432, Stop: 42680, Start Num: 129
Candidate Starts for Guillsminger_61:
(Start: 129 @42432 has 146 MA's), (149, 42507), (174, 42579),

Gene: Gumpizza_31 Start: 22588, Stop: 22854, Start Num: 116
Candidate Starts for Gumpizza_31:
(Start: 116 @22588 has 17 MA's), (Start: 129 @22603 has 146 MA's), (148, 22666), (192, 22786),

Gene: GuuelaD_32 Start: 28456, Stop: 28722, Start Num: 127
Candidate Starts for GuuelaD_32:
(Start: 127 @28456 has 245 MA's), (139, 28501), (156, 28552), (181, 28618), (207, 28690), (218, 28711),

Gene: Gwendoluna_65 Start: 43032, Stop: 42778, Start Num: 89
Candidate Starts for Gwendoluna_65:
(Start: 82 @43044 has 6 MA's), (Start: 89 @43032 has 4 MA's), (Start: 132 @43011 has 11 MA's), (146, 42960), (149, 42945), (158, 42924), (164, 42903), (168, 42894), (176, 42864),

Gene: Gyzlar_57 Start: 38964, Stop: 38710, Start Num: 89
Candidate Starts for Gyzlar_57:

(Start: 82 @38976 has 6 MA's), (Start: 89 @38964 has 4 MA's), (Start: 132 @38943 has 11 MA's), (146, 38892), (149, 38877), (158, 38856), (168, 38826), (176, 38796), (210, 38721),

Gene: Halley_52 Start: 44132, Stop: 44377, Start Num: 127
Candidate Starts for Halley_52:
(Start: 127 @44132 has 245 MA's), (146, 44195), (155, 44225), (156, 44228), (178, 44288), (180, 44291), (181, 44294),

Gene: Halsey_31 Start: 22590, Stop: 22856, Start Num: 116
Candidate Starts for Halsey_31:
(Start: 116 @22590 has 17 MA's), (Start: 129 @22605 has 146 MA's), (148, 22668), (153, 22686), (192, 22788),

Gene: Hami1_57 Start: 36945, Stop: 36679, Start Num: 84
Candidate Starts for Hami1_57:
(Start: 83 @36948 has 30 MA's), (Start: 84 @36945 has 118 MA's), (Start: 89 @36933 has 4 MA's), (Start: 132 @36912 has 11 MA's), (146, 36861), (149, 36846), (158, 36825), (168, 36795), (176, 36765),

Gene: Hammy_66 Start: 43955, Stop: 44194, Start Num: 129
Candidate Starts for Hammy_66:
(Start: 129 @43955 has 146 MA's), (155, 44045), (174, 44105),

Gene: HanKaySha_38 Start: 32877, Stop: 33122, Start Num: 127
Candidate Starts for HanKaySha_38:
(Start: 127 @32877 has 245 MA's), (145, 32934), (155, 32967), (158, 32973), (175, 33027), (180, 33039),

Gene: Hanako_55 Start: 36173, Stop: 36421, Start Num: 118
Candidate Starts for Hanako_55:
(Start: 118 @36173 has 37 MA's), (Start: 131 @36185 has 11 MA's), (176, 36335), (178, 36338), (210, 36413),

Gene: Hannaconda_48 Start: 38620, Stop: 38868, Start Num: 127
Candidate Starts for Hannaconda_48:
(Start: 127 @38620 has 245 MA's), (171, 38752),

Gene: Harella_36 Start: 33247, Stop: 33492, Start Num: 127
Candidate Starts for Harella_36:
(Start: 127 @33247 has 245 MA's), (145, 33304), (155, 33337), (158, 33343), (173, 33391), (175, 33397), (180, 33409),

Gene: HedwigODU_66 Start: 43467, Stop: 43709, Start Num: 129
Candidate Starts for HedwigODU_66:
(Start: 129 @43467 has 146 MA's), (155, 43557), (190, 43653), (199, 43677),

Gene: Heffalump_57 Start: 39242, Stop: 38970, Start Num: 87
Candidate Starts for Heffalump_57:
(Start: 87 @39242 has 127 MA's), (Start: 121 @39233 has 15 MA's), (Start: 131 @39221 has 11 MA's), (Start: 132 @39215 has 11 MA's), (170, 39092), (180, 39062),

Gene: Heftyboy_61 Start: 42799, Stop: 43047, Start Num: 129
Candidate Starts for Heftyboy_61:

(Start: 129 @42799 has 146 MA's), (149, 42874), (174, 42946), (184, 42970),

Gene: Henry_38 Start: 33135, Stop: 33380, Start Num: 127
Candidate Starts for Henry_38:
(Start: 127 @33135 has 245 MA's), (145, 33192), (155, 33225), (158, 33231), (173, 33279), (175, 33285), (180, 33297),

Gene: Herbertwm_56 Start: 38206, Stop: 37934, Start Num: 87
Candidate Starts for Herbertwm_56:
(22, 38407), (Start: 87 @38206 has 127 MA's), (Start: 121 @38197 has 15 MA's), (Start: 131 @38185 has 11 MA's), (140, 38146), (141, 38143), (155, 38101), (158, 38095), (170, 38056), (180, 38026),

Gene: Hermia_60 Start: 40961, Stop: 40695, Start Num: 84
Candidate Starts for Hermia_60:
(Start: 83 @40964 has 30 MA's), (Start: 84 @40961 has 118 MA's), (Start: 89 @40949 has 4 MA's), (Start: 132 @40928 has 11 MA's), (146, 40877), (149, 40862), (158, 40841), (168, 40811), (176, 40781),

Gene: Highbury_38 Start: 32793, Stop: 33038, Start Num: 127
Candidate Starts for Highbury_38:
(Start: 127 @32793 has 245 MA's), (145, 32850), (155, 32883), (158, 32889), (175, 32943), (180, 32955),

Gene: HippoHollow_58 Start: 39876, Stop: 39604, Start Num: 87
Candidate Starts for HippoHollow_58:
(8, 40299), (9, 40290), (17, 40116), (22, 40077), (Start: 87 @39876 has 127 MA's), (Start: 131 @39855 has 11 MA's), (Start: 132 @39849 has 11 MA's), (170, 39726), (180, 39696),

Gene: Hirko_38 Start: 32932, Stop: 33225, Start Num: 110
Candidate Starts for Hirko_38:
(Start: 101 @32917 has 2 MA's), (Start: 110 @32932 has 15 MA's), (158, 33052), (173, 33100), (213, 33196),

Gene: HitchHiker_10 Start: 6310, Stop: 5987, Start Num: 119
Candidate Starts for HitchHiker_10:
(31, 6478), (36, 6460), (47, 6427), (Start: 119 @6310 has 71 MA's), (140, 6259), (146, 6244), (163, 6196), (200, 6088), (222, 6040), (224, 6022),

Gene: HokkenD_45 Start: 42401, Stop: 42646, Start Num: 127
Candidate Starts for HokkenD_45:
(Start: 127 @42401 has 245 MA's), (146, 42464), (155, 42494), (156, 42497), (178, 42557), (180, 42560), (181, 42563),

Gene: Holt_38 Start: 32412, Stop: 32657, Start Num: 127
Candidate Starts for Holt_38:
(Start: 127 @32412 has 245 MA's), (145, 32469), (155, 32502), (158, 32508), (173, 32556), (175, 32562), (180, 32574),

Gene: Homines_54 Start: 37291, Stop: 37025, Start Num: 84
Candidate Starts for Homines_54:
(Start: 83 @37294 has 30 MA's), (Start: 84 @37291 has 118 MA's), (Start: 89 @37279 has 4 MA's), (Start: 132 @37258 has 11 MA's), (146, 37207), (149, 37192), (158, 37171), (168, 37141), (176, 37111), (210, 37036),

Gene: Homura_66 Start: 43622, Stop: 43864, Start Num: 129
Candidate Starts for Homura_66:
(Start: 129 @43622 has 146 MA's), (155, 43712), (190, 43808), (199, 43832),

Gene: Honk_39 Start: 24394, Stop: 24654, Start Num: 121
Candidate Starts for Honk_39:
(Start: 121 @24394 has 15 MA's), (135, 24433),

Gene: Hoonter_39 Start: 33125, Stop: 33370, Start Num: 127
Candidate Starts for Hoonter_39:
(Start: 127 @33125 has 245 MA's), (145, 33182), (155, 33215), (158, 33221), (175, 33275), (180, 33287),

Gene: Hope4ever_63 Start: 41279, Stop: 41004, Start Num: 84
Candidate Starts for Hope4ever_63:
(Start: 83 @41282 has 30 MA's), (Start: 84 @41279 has 118 MA's), (Start: 89 @41267 has 4 MA's), (Start: 132 @41237 has 11 MA's), (146, 41186), (149, 41171), (158, 41150), (168, 41120), (176, 41090), (210, 41015),

Gene: Hopey_39 Start: 33412, Stop: 33657, Start Num: 127
Candidate Starts for Hopey_39:
(Start: 127 @33412 has 245 MA's), (145, 33469), (155, 33502), (158, 33508), (175, 33562), (180, 33574),

Gene: HortumSL17_58 Start: 38225, Stop: 37953, Start Num: 87
Candidate Starts for HortumSL17_58:
(Start: 87 @38225 has 127 MA's), (Start: 121 @38216 has 15 MA's), (143, 38159), (154, 38123), (167, 38084), (175, 38057), (180, 38045),

Gene: HufflyPuff_36 Start: 33119, Stop: 33364, Start Num: 127
Candidate Starts for HufflyPuff_36:
(Start: 127 @33119 has 245 MA's), (145, 33176), (155, 33209), (158, 33215), (175, 33269), (180, 33281),

Gene: Huffy_63 Start: 39006, Stop: 39230, Start Num: 131
Candidate Starts for Huffy_63:
(Start: 131 @39006 has 11 MA's), (140, 39048), (155, 39093), (160, 39102), (175, 39153), (178, 39162), (190, 39183),

Gene: Hughesyang_50 Start: 44061, Stop: 44306, Start Num: 127
Candidate Starts for Hughesyang_50:
(Start: 127 @44061 has 245 MA's), (146, 44124), (155, 44154), (156, 44157), (178, 44217), (180, 44220), (181, 44223),

Gene: Hurricane_68 Start: 44101, Stop: 44340, Start Num: 127
Candidate Starts for Hurricane_68:
(Start: 127 @44101 has 245 MA's), (137, 44134), (155, 44188), (174, 44248), (178, 44260),

Gene: Hutc2_57 Start: 37326, Stop: 37054, Start Num: 87
Candidate Starts for Hutc2_57:
(Start: 87 @37326 has 127 MA's), (Start: 121 @37317 has 15 MA's), (180, 37146),

Gene: Hyperbowlee_66 Start: 43819, Stop: 44061, Start Num: 129
Candidate Starts for Hyperbowlee_66:
(Start: 129 @43819 has 146 MA's), (155, 43909), (190, 44005), (199, 44029),

Gene: IAmGroot_42 Start: 27740, Stop: 28006, Start Num: 121
Candidate Starts for IAmGroot_42:
(Start: 121 @27740 has 15 MA's),

Gene: ILeeKay_64 Start: 41170, Stop: 40895, Start Num: 84
Candidate Starts for ILeeKay_64:
(Start: 83 @41173 has 30 MA's), (Start: 84 @41170 has 118 MA's), (Start: 89 @41158 has 4 MA's), (146, 41077), (149, 41062), (158, 41041), (168, 41011), (176, 40981),

Gene: IPhane7_39 Start: 32762, Stop: 33040, Start Num: 110
Candidate Starts for IPhane7_39:
(46, 32651), (Start: 110 @32762 has 15 MA's), (Start: 127 @32780 has 245 MA's), (146, 32843), (174, 32930), (176, 32939), (181, 32948),

Gene: Icee_36 Start: 32793, Stop: 33038, Start Num: 127
Candidate Starts for Icee_36:
(Start: 127 @32793 has 245 MA's), (145, 32850), (155, 32883), (158, 32889), (175, 32943), (180, 32955),

Gene: Ichabod_66 Start: 42392, Stop: 42126, Start Num: 84
Candidate Starts for Ichabod_66:
(Start: 83 @42395 has 30 MA's), (Start: 84 @42392 has 118 MA's), (Start: 89 @42380 has 4 MA's), (Start: 132 @42359 has 11 MA's), (146, 42308), (149, 42293), (158, 42272), (168, 42242), (176, 42212), (210, 42137),

Gene: Illumine_72 Start: 45460, Stop: 45702, Start Num: 129
Candidate Starts for Illumine_72:
(Start: 129 @45460 has 146 MA's), (155, 45550), (190, 45646), (199, 45670),

Gene: Impisi_56 Start: 35970, Stop: 36218, Start Num: 118
Candidate Starts for Impisi_56:
(Start: 118 @35970 has 37 MA's), (Start: 131 @35982 has 11 MA's), (155, 36066), (176, 36132), (178, 36135), (210, 36210),

Gene: Inca_36 Start: 31814, Stop: 32059, Start Num: 127
Candidate Starts for Inca_36:
(Start: 127 @31814 has 245 MA's), (145, 31871), (155, 31904), (158, 31910), (175, 31964), (180, 31976),

Gene: Indlulamithi_37 Start: 32452, Stop: 32694, Start Num: 127
Candidate Starts for Indlulamithi_37:
(Start: 127 @32452 has 245 MA's), (143, 32506), (179, 32593), (212, 32677), (214, 32680),

Gene: Inky_66 Start: 43622, Stop: 43864, Start Num: 129
Candidate Starts for Inky_66:
(Start: 129 @43622 has 146 MA's), (155, 43712), (190, 43808), (199, 43832),

Gene: Insomnia_58 Start: 37837, Stop: 37565, Start Num: 87
Candidate Starts for Insomnia_58:

(Start: 87 @37837 has 127 MA's), (Start: 121 @37828 has 15 MA's), (180, 37657),

Gene: Inyanga_57 Start: 41026, Stop: 40760, Start Num: 84
Candidate Starts for Inyanga_57:
(Start: 83 @41029 has 30 MA's), (Start: 84 @41026 has 118 MA's), (Start: 89 @41014 has 4 MA's), (Start: 132 @40993 has 11 MA's), (146, 40942), (149, 40927), (158, 40906), (168, 40876), (176, 40846), (210, 40771),

Gene: Iqorha_57 Start: 41025, Stop: 40759, Start Num: 84
Candidate Starts for Iqorha_57:
(Start: 83 @41028 has 30 MA's), (Start: 84 @41025 has 118 MA's), (Start: 89 @41013 has 4 MA's), (Start: 132 @40992 has 11 MA's), (146, 40941), (149, 40926), (158, 40905), (168, 40875), (176, 40845), (210, 40770),

Gene: Iter_34 Start: 24797, Stop: 25063, Start Num: 108
Candidate Starts for Iter_34:
(Start: 108 @24797 has 27 MA's), (178, 24980),

Gene: Itos_32 Start: 28422, Stop: 28688, Start Num: 127
Candidate Starts for Itos_32:
(Start: 127 @28422 has 245 MA's), (139, 28467), (156, 28518), (181, 28584), (207, 28656), (218, 28677),

Gene: IttyBittyPiggy_33 Start: 24853, Stop: 25107, Start Num: 104
Candidate Starts for IttyBittyPiggy_33:
(18, 24598), (25, 24634), (Start: 104 @24853 has 4 MA's),

Gene: Izel_40 Start: 32761, Stop: 33039, Start Num: 110
Candidate Starts for Izel_40:
(46, 32650), (Start: 110 @32761 has 15 MA's), (Start: 127 @32779 has 245 MA's), (146, 32842), (174, 32929), (176, 32938), (181, 32947),

Gene: JAWS_67 Start: 43898, Stop: 44140, Start Num: 129
Candidate Starts for JAWS_67:
(Start: 129 @43898 has 146 MA's), (155, 43988), (190, 44084), (199, 44108),

Gene: JC27_65 Start: 41732, Stop: 41466, Start Num: 84
Candidate Starts for JC27_65:
(Start: 84 @41732 has 118 MA's), (Start: 89 @41720 has 4 MA's), (Start: 108 @41705 has 27 MA's), (Start: 132 @41699 has 11 MA's), (146, 41648), (149, 41633), (158, 41612), (168, 41582), (176, 41552),

Gene: JSwag_63 Start: 37391, Stop: 37122, Start Num: 115
Candidate Starts for JSwag_63:
(10, 37835), (11, 37811), (15, 37733), (Start: 115 @37391 has 23 MA's), (180, 37214),

Gene: Jabith_58 Start: 37838, Stop: 37566, Start Num: 87
Candidate Starts for Jabith_58:
(Start: 87 @37838 has 127 MA's), (Start: 121 @37829 has 15 MA's), (180, 37658),

Gene: Jamie19_49 Start: 34464, Stop: 34712, Start Num: 118
Candidate Starts for Jamie19_49:

(Start: 118 @34464 has 37 MA's), (Start: 131 @34476 has 11 MA's), (176, 34626), (178, 34629), (210, 34704),

Gene: Janeemi_35 Start: 26823, Stop: 27089, Start Num: 108
Candidate Starts for Janeemi_35:
(Start: 108 @26823 has 27 MA's),

Gene: Jarvi_66 Start: 43622, Stop: 43864, Start Num: 129
Candidate Starts for Jarvi_66:
(Start: 129 @43622 has 146 MA's), (155, 43712), (190, 43808), (199, 43832),

Gene: JasmineDragon_39 Start: 26463, Stop: 26750, Start Num: 119
Candidate Starts for JasmineDragon_39:
(Start: 119 @26463 has 71 MA's), (180, 26655),

Gene: Jasper_62 Start: 40214, Stop: 39948, Start Num: 84
Candidate Starts for Jasper_62:
(Start: 84 @40214 has 118 MA's), (Start: 89 @40202 has 4 MA's), (Start: 108 @40187 has 27 MA's), (Start: 132 @40181 has 11 MA's), (146, 40130), (149, 40115), (158, 40094), (168, 40064), (176, 40034), (210, 39959),

Gene: Jayhawk_68 Start: 43965, Stop: 44207, Start Num: 129
Candidate Starts for Jayhawk_68:
(Start: 129 @43965 has 146 MA's), (155, 44055), (190, 44151), (199, 44175),

Gene: JeTaime_39 Start: 33936, Stop: 34181, Start Num: 127
Candidate Starts for JeTaime_39:
(Start: 127 @33936 has 245 MA's), (145, 33993), (155, 34026), (158, 34032), (175, 34086), (180, 34098),

Gene: Jeckyll_66 Start: 43622, Stop: 43864, Start Num: 129
Candidate Starts for Jeckyll_66:
(Start: 129 @43622 has 146 MA's), (155, 43712), (190, 43808), (199, 43832),

Gene: Jerm_60 Start: 38841, Stop: 38569, Start Num: 87
Candidate Starts for Jerm_60:
(Start: 87 @38841 has 127 MA's), (Start: 121 @38832 has 15 MA's), (Start: 131 @38820 has 11 MA's), (Start: 132 @38814 has 11 MA's), (170, 38691),

Gene: Jerm2_64 Start: 42536, Stop: 42270, Start Num: 84
Candidate Starts for Jerm2_64:
(Start: 83 @42539 has 30 MA's), (Start: 84 @42536 has 118 MA's), (Start: 89 @42524 has 4 MA's), (Start: 132 @42503 has 11 MA's), (146, 42452), (149, 42437), (158, 42416), (168, 42386), (176, 42356), (210, 42281),

Gene: JessellCookie_9 Start: 6219, Stop: 5899, Start Num: 119
Candidate Starts for JessellCookie_9:
(Start: 119 @6219 has 71 MA's), (140, 6168), (141, 6165), (199, 6000), (224, 5931),

Gene: Jiawan_56 Start: 38310, Stop: 38038, Start Num: 87
Candidate Starts for Jiawan_56:
(Start: 87 @38310 has 127 MA's), (Start: 121 @38301 has 15 MA's), (143, 38244), (154, 38208), (167, 38169), (175, 38142), (180, 38130),

Gene: JimmyPG_9 Start: 6105, Stop: 5752, Start Num: 121
Candidate Starts for JimmyPG_9:
(59, 6201), (Start: 119 @6108 has 71 MA's), (Start: 121 @6105 has 15 MA's), (137, 6069), (172, 5961), (190, 5916), (220, 5841), (224, 5802),

Gene: Jinkies_45 Start: 34146, Stop: 34457, Start Num: 110
Candidate Starts for Jinkies_45:
(Start: 110 @34146 has 15 MA's), (Start: 127 @34164 has 245 MA's), (154, 34263), (157, 34272), (199, 34398), (217, 34434),

Gene: Joemato_33 Start: 24755, Stop: 25021, Start Num: 108
Candidate Starts for Joemato_33:
(18, 24497), (Start: 108 @24755 has 27 MA's), (178, 24938),

Gene: JohnDoe_33 Start: 24746, Stop: 25012, Start Num: 108
Candidate Starts for JohnDoe_33:
(18, 24488), (Start: 108 @24746 has 27 MA's), (178, 24929),

Gene: JohnThicc_42 Start: 26555, Stop: 26893, Start Num: 119
Candidate Starts for JohnThicc_42:
(37, 26408), (Start: 119 @26555 has 71 MA's),

Gene: JonJames_133 Start: 77174, Stop: 77473, Start Num: 111
Candidate Starts for JonJames_133:
(Start: 111 @77174 has 18 MA's), (140, 77234), (154, 77276), (158, 77285), (168, 77321), (176, 77351),

Gene: JordanFarm_9 Start: 6089, Stop: 5751, Start Num: 119
Candidate Starts for JordanFarm_9:
(50, 6161), (Start: 119 @6089 has 71 MA's), (137, 6050), (162, 5978), (173, 5939), (225, 5798),

Gene: Jorgensen_65 Start: 41384, Stop: 41109, Start Num: 84
Candidate Starts for Jorgensen_65:
(Start: 83 @41387 has 30 MA's), (Start: 84 @41384 has 118 MA's), (Start: 89 @41372 has 4 MA's), (Start: 132 @41342 has 11 MA's), (146, 41291), (149, 41276), (158, 41255), (168, 41225), (176, 41195), (210, 41120),

Gene: Joselito_58 Start: 37786, Stop: 37514, Start Num: 87
Candidate Starts for Joselito_58:
(Start: 87 @37786 has 127 MA's), (Start: 121 @37777 has 15 MA's), (180, 37606),

Gene: Journey_52 Start: 34954, Stop: 35292, Start Num: 113
Candidate Starts for Journey_52:
(72, 34888), (Start: 113 @34954 has 3 MA's), (Start: 131 @34966 has 11 MA's), (Start: 132 @34972 has 11 MA's), (151, 35038), (169, 35083), (178, 35113), (223, 35248), (226, 35275), (228, 35284),

Gene: Journey13_52 Start: 36811, Stop: 36539, Start Num: 87
Candidate Starts for Journey13_52:
(Start: 87 @36811 has 127 MA's), (Start: 121 @36802 has 15 MA's), (Start: 132 @36784 has 11 MA's), (158, 36700), (170, 36661), (180, 36631),

Gene: Joy99_66 Start: 43551, Stop: 43793, Start Num: 129

Candidate Starts for Joy99_66:
(Start: 129 @43551 has 146 MA's), (155, 43641), (190, 43737), (199, 43761),

Gene: JoyLin_51 Start: 37210, Stop: 37458, Start Num: 124
Candidate Starts for JoyLin_51:
(Start: 124 @37210 has 24 MA's), (158, 37309), (159, 37315), (176, 37369), (178, 37372), (181, 37378), (215, 37447),

Gene: Jsquared_56 Start: 37405, Stop: 37133, Start Num: 87
Candidate Starts for Jsquared_56:
(Start: 87 @37405 has 127 MA's), (Start: 131 @37384 has 11 MA's), (Start: 132 @37378 has 11 MA's), (170, 37255), (173, 37243),

Gene: Jstan_36 Start: 26608, Stop: 26865, Start Num: 124
Candidate Starts for Jstan_36:
(18, 26371), (19, 26380), (Start: 124 @26608 has 24 MA's), (140, 26656), (180, 26773),

Gene: Jubie_31 Start: 28785, Stop: 29051, Start Num: 127
Candidate Starts for Jubie_31:
(Start: 127 @28785 has 245 MA's), (Start: 132 @28797 has 11 MA's), (139, 28830),

Gene: JuicyJay_54 Start: 45887, Stop: 46132, Start Num: 127
Candidate Starts for JuicyJay_54:
(Start: 127 @45887 has 245 MA's), (146, 45950), (155, 45980), (156, 45983), (178, 46043), (180, 46046), (181, 46049),

Gene: JuliaChild_63 Start: 41613, Stop: 41338, Start Num: 84
Candidate Starts for JuliaChild_63:
(Start: 83 @41616 has 30 MA's), (Start: 84 @41613 has 118 MA's), (Start: 89 @41601 has 4 MA's), (Start: 132 @41571 has 11 MA's), (146, 41520), (149, 41505), (158, 41484), (168, 41454), (176, 41424),

Gene: Juliette_72 Start: 43682, Stop: 43945, Start Num: 119
Candidate Starts for Juliette_72:
(Start: 119 @43682 has 71 MA's), (Start: 131 @43697 has 11 MA's), (155, 43784), (188, 43880), (210, 43934),

Gene: JuneStar_33 Start: 26763, Stop: 27023, Start Num: 108
Candidate Starts for JuneStar_33:
(Start: 108 @26763 has 27 MA's), (178, 26922),

Gene: KBG_63 Start: 43145, Stop: 42876, Start Num: 83
Candidate Starts for KBG_63:
(Start: 83 @43145 has 30 MA's), (Start: 84 @43142 has 118 MA's), (Start: 89 @43130 has 4 MA's), (Start: 132 @43106 has 11 MA's), (145, 43061), (149, 43043), (168, 42992), (210, 42887),

Gene: KSSJEB_62 Start: 40592, Stop: 40323, Start Num: 83
Candidate Starts for KSSJEB_62:
(Start: 83 @40592 has 30 MA's), (Start: 84 @40589 has 118 MA's), (Start: 89 @40577 has 4 MA's), (Start: 132 @40556 has 11 MA's), (146, 40505), (149, 40490), (158, 40469), (168, 40439), (176, 40409),

Gene: KSunshine22_102 Start: 83941, Stop: 84201, Start Num: 127

Candidate Starts for KSunshine22_102:
(Start: 127 @83941 has 245 MA's), (206, 84160), (207, 84163),

Gene: Kalah2_52 Start: 44487, Stop: 44732, Start Num: 127
Candidate Starts for Kalah2_52:
(Start: 127 @44487 has 245 MA's), (146, 44550), (155, 44580), (156, 44583), (178, 44643), (180, 44646), (181, 44649),

Gene: Kalimba_31 Start: 22493, Stop: 22759, Start Num: 116
Candidate Starts for Kalimba_31:
(Start: 116 @22493 has 17 MA's), (Start: 124 @22502 has 24 MA's), (Start: 129 @22508 has 146 MA's), (148, 22571),

Gene: Kanely_63 Start: 41177, Stop: 40902, Start Num: 84
Candidate Starts for Kanely_63:
(Start: 83 @41180 has 30 MA's), (Start: 84 @41177 has 118 MA's), (Start: 89 @41165 has 4 MA's), (146, 41084), (149, 41069), (158, 41048), (168, 41018), (176, 40988),

Gene: Kanye_39 Start: 34121, Stop: 34366, Start Num: 127
Candidate Starts for Kanye_39:
(Start: 127 @34121 has 245 MA's), (145, 34178), (155, 34211), (158, 34217), (175, 34271), (180, 34283),

Gene: KashFlow_45 Start: 38241, Stop: 38489, Start Num: 127
Candidate Starts for KashFlow_45:
(Start: 127 @38241 has 245 MA's), (171, 38373),

Gene: KatherineG_64 Start: 37864, Stop: 37595, Start Num: 115
Candidate Starts for KatherineG_64:
(Start: 115 @37864 has 23 MA's), (180, 37687),

Gene: Kaylissa_33 Start: 24719, Stop: 24961, Start Num: 108
Candidate Starts for Kaylissa_33:
(Start: 108 @24719 has 27 MA's), (178, 24878),

Gene: KeAlii_33 Start: 24733, Stop: 24990, Start Num: 104
Candidate Starts for KeAlii_33:
(24, 24508), (Start: 104 @24733 has 4 MA's),

Gene: Kenmech_65 Start: 42818, Stop: 42549, Start Num: 83
Candidate Starts for Kenmech_65:
(Start: 83 @42818 has 30 MA's), (Start: 84 @42815 has 118 MA's), (Start: 89 @42803 has 4 MA's), (Start: 132 @42782 has 11 MA's), (146, 42731), (149, 42716), (158, 42695), (168, 42665), (176, 42635),

Gene: Keough_9 Start: 6092, Stop: 5736, Start Num: 119
Candidate Starts for Keough_9:
(Start: 119 @6092 has 71 MA's), (137, 6053), (141, 6038), (173, 5942), (216, 5834), (220, 5825), (224, 5786),

Gene: Kerberos_60 Start: 38268, Stop: 37996, Start Num: 87
Candidate Starts for Kerberos_60:

(Start: 87 @38268 has 127 MA's), (Start: 121 @38259 has 15 MA's), (154, 38166), (180, 38088), (199, 38034),

Gene: Kevin1_52 Start: 34949, Stop: 35200, Start Num: 118
Candidate Starts for Kevin1_52:
(30, 34775), (66, 34871), (Start: 118 @34949 has 37 MA's), (Start: 131 @34961 has 11 MA's), (155, 35045), (176, 35111), (178, 35114),

Gene: Keziacharles14_58 Start: 39366, Stop: 39094, Start Num: 87
Candidate Starts for Keziacharles14_58:
(Start: 87 @39366 has 127 MA's), (Start: 121 @39357 has 15 MA's), (143, 39300), (154, 39264), (168, 39222),

Gene: KiSi_71 Start: 44647, Stop: 44877, Start Num: 129
Candidate Starts for KiSi_71:
(Start: 129 @44647 has 146 MA's), (164, 44764), (174, 44782),

Gene: KikiBouba_60 Start: 40770, Stop: 40504, Start Num: 84
Candidate Starts for KikiBouba_60:
(Start: 83 @40773 has 30 MA's), (Start: 84 @40770 has 118 MA's), (Start: 89 @40758 has 4 MA's), (Start: 132 @40737 has 11 MA's), (146, 40686), (149, 40671), (158, 40650), (168, 40620), (176, 40590),

Gene: Kimba_57 Start: 37358, Stop: 37086, Start Num: 87
Candidate Starts for Kimba_57:
(Start: 87 @37358 has 127 MA's), (Start: 121 @37349 has 15 MA's), (180, 37178),

Gene: Kimchi_39 Start: 33128, Stop: 33373, Start Num: 127
Candidate Starts for Kimchi_39:
(Start: 127 @33128 has 245 MA's), (145, 33185), (155, 33218), (158, 33224), (175, 33278), (180, 33290),

Gene: KingCyrus_60 Start: 40022, Stop: 39750, Start Num: 87
Candidate Starts for KingCyrus_60:
(Start: 87 @40022 has 127 MA's), (Start: 121 @40013 has 15 MA's), (Start: 131 @40001 has 11 MA's), (Start: 132 @39995 has 11 MA's), (170, 39872),

Gene: KingKamren_9 Start: 6124, Stop: 5798, Start Num: 119
Candidate Starts for KingKamren_9:
(Start: 119 @6124 has 71 MA's), (140, 6073), (199, 5905), (224, 5836),

Gene: Kingsolomon_31 Start: 28784, Stop: 29050, Start Num: 127
Candidate Starts for Kingsolomon_31:
(Start: 127 @28784 has 245 MA's), (Start: 132 @28796 has 11 MA's), (139, 28829),

Gene: Klein_52 Start: 43699, Stop: 43944, Start Num: 127
Candidate Starts for Klein_52:
(Start: 127 @43699 has 245 MA's), (146, 43762), (155, 43792), (156, 43795), (178, 43855), (180, 43858), (181, 43861),

Gene: KleverKiS_40 Start: 32760, Stop: 33020, Start Num: 127
Candidate Starts for KleverKiS_40:

(46, 32631), (Start: 110 @32742 has 15 MA's), (Start: 127 @32760 has 245 MA's), (146, 32823), (174, 32910), (176, 32919), (181, 32928),

Gene: Klodlith_57 Start: 37984, Stop: 37712, Start Num: 87
Candidate Starts for Klodlith_57:
(Start: 87 @37984 has 127 MA's), (143, 37918), (154, 37882), (175, 37816), (180, 37804), (186, 37795),

Gene: Koduck_59 Start: 37723, Stop: 37412, Start Num: 87
Candidate Starts for Koduck_59:
(8, 38146), (17, 37963), (22, 37924), (Start: 87 @37723 has 127 MA's), (Start: 113 @37684 has 3 MA's), (Start: 132 @37657 has 11 MA's), (170, 37534), (173, 37522),

Gene: Kosier_9 Start: 6342, Stop: 6010, Start Num: 119
Candidate Starts for Kosier_9:
(Start: 119 @6342 has 71 MA's), (137, 6303), (140, 6291), (147, 6273), (173, 6192), (219, 6087),

Gene: Kostya_38 Start: 33136, Stop: 33381, Start Num: 127
Candidate Starts for Kostya_38:
(Start: 127 @33136 has 245 MA's), (145, 33193), (155, 33226), (158, 33232), (175, 33286), (180, 33298),

Gene: Kraw_70 Start: 43370, Stop: 43633, Start Num: 119
Candidate Starts for Kraw_70:
(Start: 119 @43370 has 71 MA's), (Start: 131 @43385 has 11 MA's), (155, 43472), (188, 43568), (210, 43622),

Gene: Kropertea_30 Start: 27482, Stop: 27745, Start Num: 127
Candidate Starts for Kropertea_30:
(Start: 127 @27482 has 245 MA's), (139, 27527), (180, 27641),

Gene: Krypton555_31 Start: 28682, Stop: 28948, Start Num: 127
Candidate Starts for Krypton555_31:
(Start: 100 @28643 has 1 MA's), (Start: 127 @28682 has 245 MA's), (Start: 132 @28694 has 11 MA's), (139, 28727), (155, 28775),

Gene: Kugel_64 Start: 42232, Stop: 41954, Start Num: 83
Candidate Starts for Kugel_64:
(Start: 83 @42232 has 30 MA's), (Start: 84 @42229 has 118 MA's), (Start: 89 @42217 has 4 MA's), (Start: 132 @42187 has 11 MA's), (146, 42136), (149, 42121), (158, 42100), (168, 42070), (176, 42040), (210, 41965),

Gene: Kumao_40 Start: 35332, Stop: 35592, Start Num: 119
Candidate Starts for Kumao_40:
(Start: 119 @35332 has 71 MA's), (Start: 127 @35341 has 245 MA's), (141, 35392), (158, 35440), (168, 35470), (171, 35479), (176, 35500), (178, 35503), (180, 35506),

Gene: KyMonks1A_65 Start: 41158, Stop: 40901, Start Num: 92
Candidate Starts for KyMonks1A_65:
(Start: 92 @41158 has 10 MA's), (Start: 108 @41140 has 27 MA's), (Start: 132 @41134 has 11 MA's), (146, 41083), (149, 41068), (158, 41047), (168, 41017), (176, 40987), (210, 40912),

Gene: L5_56 Start: 37810, Stop: 37499, Start Num: 87

Candidate Starts for L5_56:
(8, 38233), (17, 38050), (22, 38011), (Start: 87 @37810 has 127 MA's), (Start: 113 @37771 has 3 MA's), (Start: 132 @37744 has 11 MA's), (170, 37621), (173, 37609),

Gene: LadyAstra_41 Start: 26498, Stop: 26785, Start Num: 119
Candidate Starts for LadyAstra_41:
(Start: 119 @26498 has 71 MA's),

Gene: Lamina13_66 Start: 42549, Stop: 42280, Start Num: 83
Candidate Starts for Lamina13_66:
(Start: 83 @42549 has 30 MA's), (Start: 84 @42546 has 118 MA's), (Start: 89 @42534 has 4 MA's), (Start: 132 @42513 has 11 MA's), (146, 42462), (149, 42447), (158, 42426), (168, 42396), (176, 42366), (210, 42291),

Gene: Larenn_57 Start: 38431, Stop: 38159, Start Num: 87
Candidate Starts for Larenn_57:
(Start: 87 @38431 has 127 MA's), (Start: 132 @38404 has 11 MA's), (141, 38368), (155, 38326), (170, 38281), (180, 38251), (186, 38242),

Gene: Larva_61 Start: 41955, Stop: 42203, Start Num: 129
Candidate Starts for Larva_61:
(Start: 129 @41955 has 146 MA's), (149, 42030), (174, 42102),

Gene: LastHope_71 Start: 43062, Stop: 43310, Start Num: 129
Candidate Starts for LastHope_71:
(Start: 129 @43062 has 146 MA's), (155, 43152), (190, 43248), (199, 43272),

Gene: LastNadiia_6 Start: 3336, Stop: 3599, Start Num: 117
Candidate Starts for LastNadiia_6:
(117, 3336), (154, 3429), (191, 3522),

Gene: LastResort_62 Start: 37443, Stop: 37174, Start Num: 115
Candidate Starts for LastResort_62:
(10, 37887), (11, 37863), (15, 37785), (Start: 115 @37443 has 23 MA's), (180, 37266),

Gene: LaterM_67 Start: 44313, Stop: 44555, Start Num: 129
Candidate Starts for LaterM_67:
(Start: 129 @44313 has 146 MA's), (155, 44403), (190, 44499), (199, 44523),

Gene: Laure_112 Start: 79855, Stop: 80103, Start Num: 129
Candidate Starts for Laure_112:
(Start: 129 @79855 has 146 MA's), (Start: 131 @79858 has 11 MA's), (173, 79996), (176, 80008),

Gene: Lavahound_65 Start: 44702, Stop: 44944, Start Num: 129
Candidate Starts for Lavahound_65:
(71, 44633), (Start: 129 @44702 has 146 MA's), (Start: 132 @44711 has 11 MA's), (146, 44762), (155, 44792), (190, 44888), (199, 44912),

Gene: LeMond_70 Start: 44281, Stop: 44508, Start Num: 129
Candidate Starts for LeMond_70:
(Start: 129 @44281 has 146 MA's), (164, 44398), (174, 44416), (190, 44452),

Gene: Lea83_68 Start: 44132, Stop: 44374, Start Num: 127

Candidate Starts for Lea83_68:
(Start: 127 @44132 has 245 MA's), (137, 44165), (155, 44222), (174, 44282), (178, 44294),

Gene: Lebo14_69 Start: 43703, Stop: 43966, Start Num: 119
Candidate Starts for Lebo14_69:
(Start: 119 @43703 has 71 MA's), (Start: 131 @43718 has 11 MA's), (155, 43805), (188, 43901), (210, 43955),

Gene: LeeroyJenkins_54 Start: 34043, Stop: 34282, Start Num: 129
Candidate Starts for LeeroyJenkins_54:
(Start: 129 @34043 has 146 MA's), (146, 34100), (154, 34127), (158, 34136),

Gene: Lego_33 Start: 24673, Stop: 24915, Start Num: 108
Candidate Starts for Lego_33:
(Start: 108 @24673 has 27 MA's),

Gene: LeoJr_107 Start: 87292, Stop: 87555, Start Num: 127
Candidate Starts for LeoJr_107:
(Start: 127 @87292 has 245 MA's), (195, 87481),

Gene: Lesedi_58 Start: 39515, Stop: 39249, Start Num: 84
Candidate Starts for Lesedi_58:
(Start: 84 @39515 has 118 MA's), (Start: 89 @39503 has 4 MA's), (Start: 132 @39482 has 11 MA's), (146, 39431), (149, 39416), (158, 39395), (168, 39365), (176, 39335), (210, 39260),

Gene: Leston_60 Start: 42561, Stop: 42809, Start Num: 129
Candidate Starts for Leston_60:
(Start: 129 @42561 has 146 MA's), (149, 42636), (174, 42708),

Gene: Levia_60 Start: 40538, Stop: 40263, Start Num: 84
Candidate Starts for Levia_60:
(Start: 83 @40541 has 30 MA's), (Start: 84 @40538 has 118 MA's), (Start: 89 @40526 has 4 MA's), (Start: 132 @40496 has 11 MA's), (149, 40430), (158, 40409), (168, 40379), (176, 40349),

Gene: Leviathan_60 Start: 38898, Stop: 38626, Start Num: 87
Candidate Starts for Leviathan_60:
(Start: 87 @38898 has 127 MA's), (Start: 121 @38889 has 15 MA's), (Start: 131 @38877 has 11 MA's), (Start: 132 @38871 has 11 MA's), (170, 38748),

Gene: Licorice_63 Start: 42655, Stop: 42389, Start Num: 84
Candidate Starts for Licorice_63:
(Start: 83 @42658 has 30 MA's), (Start: 84 @42655 has 118 MA's), (Start: 89 @42643 has 4 MA's), (Start: 132 @42622 has 11 MA's), (146, 42571), (149, 42556), (158, 42535), (168, 42505), (176, 42475),

Gene: Lifes_48 Start: 30666, Stop: 30905, Start Num: 129
Candidate Starts for Lifes_48:
(54, 30549), (62, 30567), (Start: 129 @30666 has 146 MA's), (146, 30723), (158, 30759),

Gene: LilBib_62 Start: 42639, Stop: 42373, Start Num: 84
Candidate Starts for LilBib_62:
(Start: 83 @42642 has 30 MA's), (Start: 84 @42639 has 118 MA's), (Start: 89 @42627 has 4 MA's), (Start: 132 @42606 has 11 MA's), (146, 42555), (149, 42540), (158, 42519), (168, 42489), (176,

42459),

Gene: LilDestine_32 Start: 28421, Stop: 28687, Start Num: 127
Candidate Starts for LilDestine_32:
(Start: 127 @28421 has 245 MA's), (134, 28445), (139, 28466), (156, 28517), (181, 28583), (207, 28655), (218, 28676),

Gene: LilTurb_59 Start: 38722, Stop: 38450, Start Num: 87
Candidate Starts for LilTurb_59:
(Start: 87 @38722 has 127 MA's), (Start: 121 @38713 has 15 MA's), (Start: 131 @38701 has 11 MA's), (Start: 132 @38695 has 11 MA's), (170, 38572),

Gene: Lilac_39 Start: 32632, Stop: 32877, Start Num: 127
Candidate Starts for Lilac_39:
(Start: 127 @32632 has 245 MA's), (145, 32689), (155, 32722), (158, 32728), (175, 32782), (180, 32794),

Gene: LilhomieP_38 Start: 32762, Stop: 33040, Start Num: 110
Candidate Starts for LilhomieP_38:
(46, 32651), (Start: 110 @32762 has 15 MA's), (Start: 127 @32780 has 245 MA's), (146, 32843), (174, 32930), (176, 32939), (181, 32948),

Gene: Lilizi_39 Start: 32840, Stop: 33085, Start Num: 127
Candidate Starts for Lilizi_39:
(Start: 127 @32840 has 245 MA's), (145, 32897), (155, 32930), (158, 32936), (175, 32990), (180, 33002),

Gene: Lilleskat_56 Start: 38227, Stop: 37955, Start Num: 87
Candidate Starts for Lilleskat_56:
(Start: 87 @38227 has 127 MA's), (Start: 121 @38218 has 15 MA's), (143, 38161), (154, 38125), (167, 38086), (175, 38059), (180, 38047),

Gene: Lilpickle_36 Start: 32342, Stop: 32587, Start Num: 127
Candidate Starts for Lilpickle_36:
(Start: 127 @32342 has 245 MA's), (145, 32399), (155, 32432), (158, 32438), (175, 32492), (180, 32504),

Gene: LilyLou_9 Start: 6368, Stop: 6045, Start Num: 119
Candidate Starts for LilyLou_9:
(Start: 119 @6368 has 71 MA's), (140, 6317), (155, 6272), (163, 6254), (199, 6149), (222, 6098),

Gene: LindNT_66 Start: 44110, Stop: 44352, Start Num: 129
Candidate Starts for LindNT_66:
(Start: 129 @44110 has 146 MA's), (155, 44200), (190, 44296),

Gene: LionsBait_60 Start: 39877, Stop: 39605, Start Num: 87
Candidate Starts for LionsBait_60:
(8, 40300), (9, 40291), (17, 40117), (22, 40078), (Start: 87 @39877 has 127 MA's), (Start: 131 @39856 has 11 MA's), (Start: 132 @39850 has 11 MA's), (170, 39727), (180, 39697),

Gene: LittleE_56 Start: 43957, Stop: 44196, Start Num: 132
Candidate Starts for LittleE_56:

(Start: 132 @43957 has 11 MA's), (138, 43984), (155, 44038), (156, 44041), (176, 44098), (191, 44134),

Gene: LiyuLake_31 Start: 28737, Stop: 29003, Start Num: 127
Candidate Starts for LiyuLake_31:
(Start: 127 @28737 has 245 MA's), (Start: 132 @28749 has 11 MA's), (139, 28782), (155, 28830),

Gene: Lizalica_32 Start: 24547, Stop: 24813, Start Num: 108
Candidate Starts for Lizalica_32:
(Start: 108 @24547 has 27 MA's), (178, 24730),

Gene: Llorens_66 Start: 43622, Stop: 43864, Start Num: 129
Candidate Starts for Llorens_66:
(Start: 129 @43622 has 146 MA's), (155, 43712), (190, 43808), (199, 43832),

Gene: Loadrie_32 Start: 28454, Stop: 28720, Start Num: 127
Candidate Starts for Loadrie_32:
(Start: 127 @28454 has 245 MA's), (139, 28499), (156, 28550), (181, 28616), (207, 28688), (218, 28709),

Gene: Lockley_59 Start: 40855, Stop: 40580, Start Num: 84
Candidate Starts for Lockley_59:
(Start: 84 @40855 has 118 MA's), (Start: 89 @40843 has 4 MA's), (Start: 132 @40813 has 11 MA's), (146, 40762), (149, 40747), (158, 40726), (167, 40699), (168, 40696), (176, 40666), (210, 40591),

Gene: Lokk_55 Start: 37800, Stop: 37528, Start Num: 87
Candidate Starts for Lokk_55:
(Start: 87 @37800 has 127 MA's), (Start: 132 @37773 has 11 MA's), (170, 37650), (180, 37620),

Gene: Lolly9_31 Start: 28548, Stop: 28814, Start Num: 127
Candidate Starts for Lolly9_31:
(Start: 127 @28548 has 245 MA's), (Start: 132 @28560 has 11 MA's), (139, 28593),

Gene: London_34 Start: 26623, Stop: 26880, Start Num: 124
Candidate Starts for London_34:
(18, 26386), (19, 26395), (Start: 124 @26623 has 24 MA's), (140, 26671), (180, 26788),

Gene: LoneWolf_59 Start: 38258, Stop: 37986, Start Num: 87
Candidate Starts for LoneWolf_59:
(Start: 87 @38258 has 127 MA's), (Start: 121 @38249 has 15 MA's), (143, 38192), (154, 38156), (170, 38108), (180, 38078),

Gene: Looper_63 Start: 37355, Stop: 37086, Start Num: 115
Candidate Starts for Looper_63:
(10, 37799), (11, 37775), (15, 37697), (Start: 115 @37355 has 23 MA's), (180, 37178),

Gene: Lopton_60 Start: 42624, Stop: 42370, Start Num: 89
Candidate Starts for Lopton_60:
(Start: 82 @42636 has 6 MA's), (Start: 89 @42624 has 4 MA's), (Start: 132 @42603 has 11 MA's), (146, 42552), (149, 42537), (158, 42516), (168, 42486), (176, 42456),

Gene: Lozinak_125 Start: 71628, Stop: 71921, Start Num: 111
Candidate Starts for Lozinak_125:

(Start: 111 @71628 has 18 MA's), (137, 71676), (176, 71805),

Gene: Lucivia_58 Start: 37835, Stop: 37563, Start Num: 87
Candidate Starts for Lucivia_58:
(Start: 87 @37835 has 127 MA's), (Start: 121 @37826 has 15 MA's), (180, 37655),

Gene: Lucky2013_51 Start: 40948, Stop: 41187, Start Num: 132
Candidate Starts for Lucky2013_51:
(Start: 132 @40948 has 11 MA's), (138, 40975), (155, 41029), (156, 41032), (176, 41089), (191, 41125),

Gene: Lucyedi_59 Start: 38336, Stop: 38067, Start Num: 116
Candidate Starts for Lucyedi_59:
(51, 38408), (Start: 87 @38339 has 127 MA's), (Start: 116 @38336 has 17 MA's), (Start: 121 @38330 has 15 MA's), (154, 38237), (168, 38195), (170, 38189), (180, 38159),

Gene: Lumos_31 Start: 28781, Stop: 29047, Start Num: 127
Candidate Starts for Lumos_31:
(Start: 127 @28781 has 245 MA's), (Start: 132 @28793 has 11 MA's), (139, 28826),

Gene: Lunahalos_66 Start: 43622, Stop: 43864, Start Num: 129
Candidate Starts for Lunahalos_66:
(Start: 129 @43622 has 146 MA's), (155, 43712), (190, 43808), (199, 43832),

Gene: LunarLander_62 Start: 41834, Stop: 41568, Start Num: 84
Candidate Starts for LunarLander_62:
(Start: 83 @41837 has 30 MA's), (Start: 84 @41834 has 118 MA's), (Start: 89 @41822 has 4 MA's), (Start: 132 @41801 has 11 MA's), (146, 41750), (149, 41735), (158, 41714), (168, 41684), (176, 41654),

Gene: MISSy_36 Start: 32648, Stop: 32893, Start Num: 127
Candidate Starts for MISSy_36:
(Start: 127 @32648 has 245 MA's), (145, 32705), (155, 32738), (158, 32744), (175, 32798), (180, 32810),

Gene: MPhalcon_36 Start: 32641, Stop: 32886, Start Num: 127
Candidate Starts for MPhalcon_36:
(Start: 127 @32641 has 245 MA's), (145, 32698), (155, 32731), (158, 32737), (175, 32791), (180, 32803),

Gene: MaCh_58 Start: 37765, Stop: 37493, Start Num: 87
Candidate Starts for MaCh_58:
(Start: 87 @37765 has 127 MA's), (Start: 121 @37756 has 15 MA's), (170, 37615),

Gene: MaGuCo_34 Start: 25599, Stop: 25841, Start Num: 127
Candidate Starts for MaGuCo_34:
(Start: 127 @25599 has 245 MA's), (142, 25650), (178, 25758),

Gene: Mabel_57 Start: 37367, Stop: 37095, Start Num: 87
Candidate Starts for Mabel_57:
(Start: 87 @37367 has 127 MA's), (Start: 121 @37358 has 15 MA's), (180, 37187),

Gene: Mabodamaca_42 Start: 28268, Stop: 28534, Start Num: 121

Candidate Starts for Mabodamaca_42:
(Start: 121 @28268 has 15 MA's), (140, 28322), (175, 28436),

Gene: MacKat_62 Start: 39405, Stop: 39647, Start Num: 129
Candidate Starts for MacKat_62:
(Start: 129 @39405 has 146 MA's), (155, 39495), (190, 39591), (199, 39615),

Gene: MacnCheese_70 Start: 44725, Stop: 44967, Start Num: 127
Candidate Starts for MacnCheese_70:
(Start: 127 @44725 has 245 MA's), (137, 44758), (155, 44815), (178, 44887), (190, 44911),

Gene: MadamMonkfish_37 Start: 32553, Stop: 32798, Start Num: 127
Candidate Starts for MadamMonkfish_37:
(Start: 127 @32553 has 245 MA's), (145, 32610), (155, 32643), (158, 32649), (175, 32703), (180, 32715),

Gene: Magnar_60 Start: 41031, Stop: 40774, Start Num: 92
Candidate Starts for Magnar_60:
(Start: 92 @41031 has 10 MA's), (Start: 108 @41013 has 27 MA's), (Start: 132 @41007 has 11 MA's), (146, 40956), (149, 40941), (158, 40920), (168, 40890), (176, 40860), (210, 40785),

Gene: Magnito_60 Start: 40895, Stop: 40638, Start Num: 92
Candidate Starts for Magnito_60:
(Start: 92 @40895 has 10 MA's), (Start: 108 @40877 has 27 MA's), (Start: 132 @40871 has 11 MA's), (146, 40820), (149, 40805), (158, 40784), (164, 40763), (168, 40754), (176, 40724),

Gene: Magsby_50 Start: 34922, Stop: 35170, Start Num: 118
Candidate Starts for Magsby_50:
(12, 34508), (26, 34715), (30, 34748), (66, 34844), (Start: 118 @34922 has 37 MA's), (Start: 131 @34934 has 11 MA's), (Start: 132 @34940 has 11 MA's), (155, 35018), (176, 35084), (178, 35087),

Gene: MajorMajor_57 Start: 37421, Stop: 37149, Start Num: 87
Candidate Starts for MajorMajor_57:
(Start: 87 @37421 has 127 MA's), (Start: 131 @37400 has 11 MA's), (Start: 132 @37394 has 11 MA's), (170, 37271), (173, 37259),

Gene: Makemake_64 Start: 42602, Stop: 42336, Start Num: 82
Candidate Starts for Makemake_64:
(Start: 82 @42602 has 6 MA's), (Start: 89 @42590 has 4 MA's), (Start: 132 @42569 has 11 MA's), (146, 42518), (149, 42503), (158, 42482), (168, 42452), (176, 42422), (210, 42347),

Gene: Makima_4 Start: 2462, Stop: 2728, Start Num: 117
Candidate Starts for Makima_4:
(117, 2462), (173, 2612), (209, 2687),

Gene: Malec_58 Start: 38998, Stop: 38726, Start Num: 87
Candidate Starts for Malec_58:
(Start: 87 @38998 has 127 MA's), (Start: 132 @38971 has 11 MA's), (141, 38935), (155, 38893), (170, 38848), (180, 38818), (186, 38809),

Gene: Malthus_71 Start: 43370, Stop: 43633, Start Num: 119
Candidate Starts for Malthus_71:

(Start: 119 @43370 has 71 MA's), (Start: 131 @43385 has 11 MA's), (155, 43472), (188, 43568), (210, 43622),

Gene: Maminiaina_57 Start: 38227, Stop: 37955, Start Num: 87
Candidate Starts for Maminiaina_57:
(Start: 87 @38227 has 127 MA's), (Start: 121 @38218 has 15 MA's), (143, 38161), (154, 38125), (180, 38047),

Gene: Manatee_62 Start: 40921, Stop: 40652, Start Num: 83
Candidate Starts for Manatee_62:
(Start: 83 @40921 has 30 MA's), (Start: 84 @40918 has 118 MA's), (Start: 89 @40906 has 4 MA's), (Start: 108 @40891 has 27 MA's), (Start: 132 @40885 has 11 MA's), (146, 40834), (149, 40819), (158, 40798), (168, 40768), (176, 40738),

Gene: Manda_38 Start: 33620, Stop: 33865, Start Num: 127
Candidate Starts for Manda_38:
(Start: 127 @33620 has 245 MA's), (145, 33677), (155, 33710), (158, 33716), (175, 33770), (180, 33782),

Gene: Marcell_58 Start: 39784, Stop: 39509, Start Num: 84
Candidate Starts for Marcell_58:
(70, 39808), (Start: 83 @39787 has 30 MA's), (Start: 84 @39784 has 118 MA's), (Start: 89 @39772 has 4 MA's), (Start: 132 @39742 has 11 MA's), (146, 39691), (149, 39676), (158, 39655), (168, 39625), (176, 39595),

Gene: Marchy_56 Start: 37872, Stop: 37597, Start Num: 84
Candidate Starts for Marchy_56:
(Start: 83 @37875 has 30 MA's), (Start: 84 @37872 has 118 MA's), (Start: 89 @37860 has 4 MA's), (Start: 132 @37830 has 11 MA's), (146, 37779), (149, 37764), (158, 37743), (164, 37722), (168, 37713), (176, 37683),

Gene: Marco3_65 Start: 42801, Stop: 42535, Start Num: 84
Candidate Starts for Marco3_65:
(Start: 83 @42804 has 30 MA's), (Start: 84 @42801 has 118 MA's), (Start: 89 @42789 has 4 MA's), (Start: 108 @42774 has 27 MA's), (Start: 132 @42768 has 11 MA's), (146, 42717), (149, 42702), (158, 42681), (168, 42651), (176, 42621), (210, 42546),

Gene: Marcoliusprime_69 Start: 46092, Stop: 46337, Start Num: 129
Candidate Starts for Marcoliusprime_69:
(Start: 87 @46035 has 127 MA's), (91, 46041), (Start: 129 @46092 has 146 MA's), (155, 46182), (168, 46218), (178, 46251),

Gene: Marge_59 Start: 40664, Stop: 40398, Start Num: 84
Candidate Starts for Marge_59:
(Start: 83 @40667 has 30 MA's), (Start: 84 @40664 has 118 MA's), (Start: 89 @40652 has 4 MA's), (Start: 132 @40631 has 11 MA's), (146, 40580), (149, 40565), (158, 40544), (168, 40514), (176, 40484),

Gene: MarkPhew_69 Start: 43780, Stop: 44007, Start Num: 129
Candidate Starts for MarkPhew_69:
(Start: 129 @43780 has 146 MA's), (164, 43897), (173, 43912), (174, 43915), (190, 43951),

Gene: Maroc7_59 Start: 41311, Stop: 41042, Start Num: 83

Candidate Starts for Maroc7_59:
(70, 41332), (Start: 83 @41311 has 30 MA's), (Start: 84 @41308 has 118 MA's), (Start: 89 @41296 has 4 MA's), (Start: 132 @41275 has 11 MA's), (146, 41224), (149, 41209), (158, 41188), (168, 41158), (176, 41128),

Gene: Marsha_61 Start: 42250, Stop: 41984, Start Num: 84
Candidate Starts for Marsha_61:
(Start: 83 @42253 has 30 MA's), (Start: 84 @42250 has 118 MA's), (Start: 132 @42217 has 11 MA's), (146, 42166), (149, 42151), (158, 42130), (164, 42109), (168, 42100), (176, 42070),

Gene: Marshawn_66 Start: 44145, Stop: 44384, Start Num: 129
Candidate Starts for Marshawn_66:
(Start: 129 @44145 has 146 MA's), (155, 44235),

Gene: Marshmallow_37 Start: 33133, Stop: 33378, Start Num: 127
Candidate Starts for Marshmallow_37:
(Start: 127 @33133 has 245 MA's), (145, 33190), (155, 33223), (158, 33229), (175, 33283), (180, 33295),

Gene: MaryBeth_60 Start: 41488, Stop: 41222, Start Num: 84
Candidate Starts for MaryBeth_60:
(Start: 83 @41491 has 30 MA's), (Start: 84 @41488 has 118 MA's), (Start: 89 @41476 has 4 MA's), (Start: 132 @41455 has 11 MA's), (146, 41404), (149, 41389), (158, 41368), (168, 41338), (176, 41308), (210, 41233),

Gene: MaryV_53 Start: 39346, Stop: 39594, Start Num: 127
Candidate Starts for MaryV_53:
(Start: 127 @39346 has 245 MA's), (152, 39427), (168, 39475), (178, 39508), (180, 39511), (181, 39514), (198, 39547), (212, 39583),

Gene: Maureen_36 Start: 26752, Stop: 26994, Start Num: 127
Candidate Starts for Maureen_36:
(Start: 127 @26752 has 245 MA's), (142, 26803), (178, 26911),

Gene: Maxxinista_38 Start: 32602, Stop: 32847, Start Num: 127
Candidate Starts for Maxxinista_38:
(Start: 127 @32602 has 245 MA's), (145, 32659), (155, 32692), (158, 32698), (175, 32752), (180, 32764),

Gene: Mazun_9 Start: 6131, Stop: 5775, Start Num: 119
Candidate Starts for Mazun_9:
(Start: 119 @6131 has 71 MA's), (137, 6092), (141, 6077), (173, 5981), (220, 5864), (224, 5825),

Gene: Mbo4_60 Start: 42893, Stop: 43174, Start Num: 124
Candidate Starts for Mbo4_60:
(4, 42125), (Start: 124 @42893 has 24 MA's), (137, 42926),

Gene: McMater_69 Start: 44123, Stop: 44362, Start Num: 128
Candidate Starts for McMater_69:
(Start: 128 @44123 has 5 MA's), (155, 44213), (167, 44249), (173, 44267), (199, 44330),

Gene: McSinger_60 Start: 40407, Stop: 40132, Start Num: 84
Candidate Starts for McSinger_60:

(Start: 83 @40410 has 30 MA's), (Start: 84 @40407 has 118 MA's), (Start: 89 @40395 has 4 MA's), (146, 40314), (149, 40299), (158, 40278), (168, 40248), (176, 40218),

Gene: MeaningOfLife_67 Start: 44374, Stop: 44616, Start Num: 129
Candidate Starts for MeaningOfLife_67:
(Start: 129 @44374 has 146 MA's), (155, 44464), (190, 44560), (199, 44584),

Gene: MegTheThird_57 Start: 38030, Stop: 37758, Start Num: 87
Candidate Starts for MegTheThird_57:
(Start: 87 @38030 has 127 MA's), (Start: 121 @38021 has 15 MA's), (154, 37928), (170, 37880), (175, 37862),

Gene: Megsy_69 Start: 44032, Stop: 44277, Start Num: 129
Candidate Starts for Megsy_69:
(Start: 129 @44032 has 146 MA's), (155, 44122), (190, 44218), (211, 44269),

Gene: Melville_53 Start: 34906, Stop: 35154, Start Num: 118
Candidate Starts for Melville_53:
(12, 34492), (26, 34699), (30, 34732), (66, 34828), (Start: 118 @34906 has 37 MA's), (Start: 131 @34918 has 11 MA's), (Start: 132 @34924 has 11 MA's), (155, 35002), (176, 35068), (178, 35071),

Gene: MetalQZJ_59 Start: 41488, Stop: 41222, Start Num: 84
Candidate Starts for MetalQZJ_59:
(Start: 83 @41491 has 30 MA's), (Start: 84 @41488 has 118 MA's), (Start: 89 @41476 has 4 MA's), (Start: 132 @41455 has 11 MA's), (146, 41404), (149, 41389), (158, 41368), (168, 41338), (176, 41308), (210, 41233),

Gene: MiaZeal_51 Start: 40623, Stop: 40862, Start Num: 132
Candidate Starts for MiaZeal_51:
(Start: 132 @40623 has 11 MA's), (138, 40650), (155, 40704), (156, 40707), (176, 40764), (191, 40800),

Gene: MiamiPanther_9 Start: 6219, Stop: 5899, Start Num: 119
Candidate Starts for MiamiPanther_9:
(Start: 119 @6219 has 71 MA's), (140, 6168), (141, 6165), (199, 6000), (224, 5931),

Gene: Michley_65 Start: 41769, Stop: 41494, Start Num: 84
Candidate Starts for Michley_65:
(Start: 84 @41769 has 118 MA's), (Start: 89 @41757 has 4 MA's), (146, 41676), (149, 41661), (158, 41640), (168, 41610), (176, 41580), (210, 41505),

Gene: Miko_55 Start: 38578, Stop: 38306, Start Num: 87
Candidate Starts for Miko_55:
(22, 38779), (Start: 87 @38578 has 127 MA's), (Start: 132 @38551 has 11 MA's), (170, 38428), (180, 38398),

Gene: Miley16_32 Start: 28422, Stop: 28688, Start Num: 127
Candidate Starts for Miley16_32:
(Start: 127 @28422 has 245 MA's), (139, 28467), (156, 28518), (181, 28584), (207, 28656), (218, 28677),

Gene: MilleFeuille_57 Start: 40825, Stop: 40574, Start Num: 99
Candidate Starts for MilleFeuille_57:

(40, 40930), (Start: 84 @40849 has 118 MA's), (Start: 99 @40825 has 4 MA's), (146, 40756), (149, 40741), (158, 40720), (164, 40699), (168, 40690), (176, 40660), (210, 40585),

Gene: Milly_69 Start: 46066, Stop: 46311, Start Num: 129
Candidate Starts for Milly_69:
(86, 46003), (Start: 129 @46066 has 146 MA's), (155, 46156), (178, 46225),

Gene: Mimi_108 Start: 86487, Stop: 86735, Start Num: 127
Candidate Starts for Mimi_108:
(Start: 127 @86487 has 245 MA's), (Start: 131 @86493 has 11 MA's), (Start: 132 @86499 has 11 MA's),

Gene: Mindy_37 Start: 32913, Stop: 33158, Start Num: 127
Candidate Starts for Mindy_37:
(Start: 127 @32913 has 245 MA's), (145, 32970), (155, 33003), (158, 33009), (173, 33057), (175, 33063), (180, 33075),

Gene: MinecraftSteve_64 Start: 37679, Stop: 37410, Start Num: 115
Candidate Starts for MinecraftSteve_64:
(Start: 115 @37679 has 23 MA's), (180, 37502),

Gene: Minerva_58 Start: 45548, Stop: 45796, Start Num: 127
Candidate Starts for Minerva_58:
(Start: 127 @45548 has 245 MA's), (171, 45680),

Gene: MiniLon_31 Start: 28548, Stop: 28814, Start Num: 127
Candidate Starts for MiniLon_31:
(Start: 127 @28548 has 245 MA's), (Start: 132 @28560 has 11 MA's), (139, 28593),

Gene: MiniMac_31 Start: 28549, Stop: 28815, Start Num: 127
Candidate Starts for MiniMac_31:
(Start: 127 @28549 has 245 MA's), (Start: 132 @28561 has 11 MA's), (139, 28594),

Gene: MiniMommy_38 Start: 26464, Stop: 26751, Start Num: 119
Candidate Starts for MiniMommy_38:
(Start: 119 @26464 has 71 MA's), (180, 26656),

Gene: Minispark_57 Start: 37983, Stop: 37711, Start Num: 87
Candidate Starts for Minispark_57:
(Start: 87 @37983 has 127 MA's), (Start: 121 @37974 has 15 MA's), (143, 37917), (154, 37881), (170, 37833),

Gene: Miniwave_37 Start: 33332, Stop: 33577, Start Num: 127
Candidate Starts for Miniwave_37:
(Start: 127 @33332 has 245 MA's), (145, 33389), (155, 33422), (158, 33428), (175, 33482), (180, 33494),

Gene: Mireles_3 Start: 895, Stop: 1137, Start Num: 120
Candidate Starts for Mireles_3:
(120, 895),

Gene: Misfit_37 Start: 33222, Stop: 33467, Start Num: 127
Candidate Starts for Misfit_37:

(Start: 127 @33222 has 245 MA's), (145, 33279), (155, 33312), (158, 33318), (175, 33372), (180, 33384),

Gene: Miskis_120 Start: 71060, Stop: 71353, Start Num: 111
Candidate Starts for Miskis_120:
(Start: 111 @71060 has 18 MA's), (137, 71108), (176, 71237),

Gene: MissAmericana_7 Start: 5312, Stop: 5025, Start Num: 122
Candidate Starts for MissAmericana_7:
(Start: 122 @5312 has 1 MA's), (171, 5159), (199, 5072),

Gene: MissDaisy_67 Start: 42299, Stop: 42547, Start Num: 131
Candidate Starts for MissDaisy_67:
(28, 42101), (Start: 119 @42284 has 71 MA's), (Start: 131 @42299 has 11 MA's), (155, 42386), (188, 42482), (210, 42536),

Gene: MissSwiss_32 Start: 23153, Stop: 23398, Start Num: 127
Candidate Starts for MissSwiss_32:
(Start: 127 @23153 has 245 MA's), (140, 23198), (178, 23312),

Gene: MissWhite_57 Start: 36925, Stop: 36653, Start Num: 87
Candidate Starts for MissWhite_57:
(Start: 87 @36925 has 127 MA's), (Start: 121 @36916 has 15 MA's), (Start: 132 @36898 has 11 MA's), (180, 36745),

Gene: Mitti_70 Start: 43525, Stop: 43788, Start Num: 119
Candidate Starts for Mitti_70:
(Start: 119 @43525 has 71 MA's), (Start: 131 @43540 has 11 MA's), (155, 43627), (188, 43723), (210, 43777),

Gene: MkaliMitinis3_32 Start: 28422, Stop: 28688, Start Num: 127
Candidate Starts for MkaliMitinis3_32:
(Start: 127 @28422 has 245 MA's), (139, 28467), (156, 28518), (181, 28584), (207, 28656), (218, 28677),

Gene: Mkhuseli_58 Start: 39493, Stop: 39260, Start Num: 132
Candidate Starts for Mkhuseli_58:
(Start: 83 @39529 has 30 MA's), (Start: 84 @39526 has 118 MA's), (Start: 89 @39514 has 4 MA's), (Start: 132 @39493 has 11 MA's), (146, 39442), (149, 39427), (158, 39406), (168, 39376), (176, 39346),

Gene: Moldemort_38 Start: 32877, Stop: 33122, Start Num: 127
Candidate Starts for Moldemort_38:
(Start: 127 @32877 has 245 MA's), (145, 32934), (155, 32967), (158, 32973), (175, 33027), (180, 33039),

Gene: Moleficent_9 Start: 6125, Stop: 5769, Start Num: 119
Candidate Starts for Moleficent_9:
(Start: 119 @6125 has 71 MA's), (137, 6086), (141, 6071), (173, 5975), (216, 5867), (220, 5858), (224, 5819),

Gene: MollyToe_37 Start: 33306, Stop: 33551, Start Num: 127
Candidate Starts for MollyToe_37:

(Start: 127 @33306 has 245 MA's), (145, 33363), (155, 33396), (158, 33402), (175, 33456), (180, 33468),

Gene: Mollymur_85 Start: 58104, Stop: 57838, Start Num: 111
Candidate Starts for Mollymur_85:
(Start: 111 @58104 has 18 MA's), (173, 57939), (178, 57924), (197, 57873),

Gene: Monet_65 Start: 43052, Stop: 42786, Start Num: 84
Candidate Starts for Monet_65:
(Start: 83 @43055 has 30 MA's), (Start: 84 @43052 has 118 MA's), (Start: 89 @43040 has 4 MA's), (Start: 132 @43019 has 11 MA's), (146, 42968), (149, 42953), (158, 42932), (164, 42911), (168, 42902), (176, 42872),

Gene: MontyDev_40 Start: 36039, Stop: 36284, Start Num: 123
Candidate Starts for MontyDev_40:
(95, 35997), (Start: 123 @36039 has 9 MA's), (133, 36060), (137, 36081), (145, 36105), (146, 36108), (182, 36207), (183, 36210), (185, 36213), (202, 36264),

Gene: Morrill_9 Start: 6080, Stop: 5724, Start Num: 119
Candidate Starts for Morrill_9:
(Start: 119 @6080 has 71 MA's), (137, 6041), (141, 6026), (220, 5813), (224, 5774),

Gene: Mosby_36 Start: 32639, Stop: 32884, Start Num: 127
Candidate Starts for Mosby_36:
(Start: 127 @32639 has 245 MA's), (145, 32696), (155, 32729), (158, 32735), (173, 32783), (175, 32789), (180, 32801),

Gene: Moss_31 Start: 22585, Stop: 22851, Start Num: 116
Candidate Starts for Moss_31:
(Start: 116 @22585 has 17 MA's), (Start: 129 @22600 has 146 MA's), (148, 22663), (192, 22783),

Gene: MrGordo_64 Start: 41635, Stop: 41360, Start Num: 84
Candidate Starts for MrGordo_64:
(Start: 83 @41638 has 30 MA's), (Start: 84 @41635 has 118 MA's), (Start: 89 @41623 has 4 MA's), (Start: 132 @41593 has 11 MA's), (146, 41542), (149, 41527), (158, 41506), (168, 41476), (176, 41446), (210, 41371),

Gene: MrMagoo_44 Start: 33882, Stop: 34133, Start Num: 127
Candidate Starts for MrMagoo_44:
(Start: 127 @33882 has 245 MA's), (172, 34026), (173, 34029), (178, 34044), (203, 34098),

Gene: Mryolo_58 Start: 40629, Stop: 40372, Start Num: 92
Candidate Starts for Mryolo_58:
(Start: 92 @40629 has 10 MA's), (Start: 108 @40611 has 27 MA's), (Start: 132 @40605 has 11 MA's), (146, 40554), (149, 40539), (158, 40518), (168, 40488), (176, 40458),

Gene: MsGreen_31 Start: 28784, Stop: 29050, Start Num: 127
Candidate Starts for MsGreen_31:
(Start: 127 @28784 has 245 MA's), (Start: 132 @28796 has 11 MA's), (139, 28829),

Gene: Mudpuppy_32 Start: 24535, Stop: 24777, Start Num: 109
Candidate Starts for Mudpuppy_32:
(18, 24277), (25, 24313), (Start: 109 @24535 has 5 MA's), (178, 24694),

Gene: Mufasa_69 Start: 45652, Stop: 45897, Start Num: 129
Candidate Starts for Mufasa_69:
(Start: 87 @45595 has 127 MA's), (91, 45601), (Start: 129 @45652 has 146 MA's), (155, 45742), (178, 45811), (190, 45835), (213, 45889),

Gene: Mulciber_57 Start: 37323, Stop: 37051, Start Num: 87
Candidate Starts for Mulciber_57:
(Start: 87 @37323 has 127 MA's), (Start: 121 @37314 has 15 MA's), (180, 37143),

Gene: Mule_59 Start: 40467, Stop: 40201, Start Num: 84
Candidate Starts for Mule_59:
(Start: 83 @40470 has 30 MA's), (Start: 84 @40467 has 118 MA's), (Start: 89 @40455 has 4 MA's), (Start: 132 @40434 has 11 MA's), (146, 40383), (149, 40368), (158, 40347), (168, 40317), (176, 40287),

Gene: Munch_58 Start: 37786, Stop: 37514, Start Num: 87
Candidate Starts for Munch_58:
(Start: 87 @37786 has 127 MA's), (Start: 121 @37777 has 15 MA's), (180, 37606),

Gene: Murica_36 Start: 33119, Stop: 33364, Start Num: 127
Candidate Starts for Murica_36:
(Start: 127 @33119 has 245 MA's), (145, 33176), (155, 33209), (158, 33215), (175, 33269), (180, 33281),

Gene: Murphy_38 Start: 33114, Stop: 33359, Start Num: 127
Candidate Starts for Murphy_38:
(Start: 127 @33114 has 245 MA's), (145, 33171), (155, 33204), (158, 33210), (175, 33264), (180, 33276),

Gene: Murucutumbu_68 Start: 44888, Stop: 45130, Start Num: 129
Candidate Starts for Murucutumbu_68:
(Start: 129 @44888 has 146 MA's), (155, 44978), (190, 45074), (199, 45098),

Gene: Music_39 Start: 33258, Stop: 33593, Start Num: 101
Candidate Starts for Music_39:
(Start: 101 @33258 has 2 MA's), (Start: 110 @33273 has 15 MA's), (180, 33486), (181, 33489), (213, 33564),

Gene: Mynx_68 Start: 44234, Stop: 44476, Start Num: 129
Candidate Starts for Mynx_68:
(Start: 129 @44234 has 146 MA's), (155, 44324), (190, 44420), (199, 44444),

Gene: Myrale_37 Start: 32998, Stop: 33243, Start Num: 127
Candidate Starts for Myrale_37:
(Start: 127 @32998 has 245 MA's), (145, 33055), (155, 33088), (158, 33094), (175, 33148), (180, 33160),

Gene: Myrna_77 Start: 30774, Stop: 31019, Start Num: 127
Candidate Starts for Myrna_77:
(Start: 127 @30774 has 245 MA's), (167, 30900),

Gene: Mysterium_31 Start: 22590, Stop: 22856, Start Num: 116

Candidate Starts for Mysterium_31:
(Start: 116 @22590 has 17 MA's), (Start: 129 @22605 has 146 MA's), (148, 22668), (192, 22788),

Gene: Myxus_58 Start: 38225, Stop: 37953, Start Num: 87
Candidate Starts for Myxus_58:
(Start: 87 @38225 has 127 MA's), (Start: 121 @38216 has 15 MA's), (143, 38159), (154, 38123), (167, 38084), (175, 38057), (180, 38045),

Gene: NEHalo_59 Start: 41047, Stop: 40781, Start Num: 84
Candidate Starts for NEHalo_59:
(Start: 83 @41050 has 30 MA's), (Start: 84 @41047 has 118 MA's), (Start: 89 @41035 has 4 MA's), (Start: 132 @41014 has 11 MA's), (146, 40963), (149, 40948), (158, 40927), (168, 40897), (176, 40867), (210, 40792),

Gene: Naira_64 Start: 42709, Stop: 42434, Start Num: 84
Candidate Starts for Naira_64:
(Start: 84 @42709 has 118 MA's), (Start: 89 @42697 has 4 MA's), (Start: 132 @42667 has 11 MA's), (146, 42616), (149, 42601), (158, 42580), (164, 42559), (168, 42550), (176, 42520), (210, 42445),

Gene: Naji_60 Start: 38269, Stop: 37997, Start Num: 87
Candidate Starts for Naji_60:
(Start: 87 @38269 has 127 MA's), (Start: 121 @38260 has 15 MA's), (154, 38167), (180, 38089), (199, 38035),

Gene: Nala_37 Start: 33153, Stop: 33398, Start Num: 127
Candidate Starts for Nala_37:
(Start: 127 @33153 has 245 MA's), (145, 33210), (155, 33243), (158, 33249), (175, 33303), (180, 33315),

Gene: Nanosmite_44 Start: 33715, Stop: 33966, Start Num: 127
Candidate Starts for Nanosmite_44:
(Start: 127 @33715 has 245 MA's), (146, 33778), (155, 33808), (172, 33859),

Gene: Nebulosus_62 Start: 37439, Stop: 37170, Start Num: 115
Candidate Starts for Nebulosus_62:
(10, 37883), (11, 37859), (15, 37781), (Start: 115 @37439 has 23 MA's), (180, 37262), (196, 37223),

Gene: Nedarya_60 Start: 37419, Stop: 37150, Start Num: 113
Candidate Starts for Nedarya_60:
(11, 37842), (Start: 113 @37419 has 3 MA's), (Start: 121 @37410 has 15 MA's), (Start: 132 @37392 has 11 MA's), (180, 37239),

Gene: Neighly_62 Start: 41954, Stop: 42202, Start Num: 129
Candidate Starts for Neighly_62:
(Start: 129 @41954 has 146 MA's), (149, 42029), (174, 42101),

Gene: Nekros_50 Start: 43030, Stop: 43269, Start Num: 132
Candidate Starts for Nekros_50:
(Start: 132 @43030 has 11 MA's), (138, 43057), (155, 43111), (156, 43114), (176, 43171), (191, 43207),

Gene: NelitzaMV_37 Start: 33203, Stop: 33448, Start Num: 127
Candidate Starts for NelitzaMV_37:

(Start: 127 @33203 has 245 MA's), (145, 33260), (155, 33293), (158, 33299), (175, 33353), (180, 33365),

Gene: Nenae_55 Start: 36175, Stop: 36423, Start Num: 118
Candidate Starts for Nenae_55:
(Start: 118 @36175 has 37 MA's), (Start: 131 @36187 has 11 MA's), (176, 36337), (178, 36340), (210, 36415),

Gene: Nerujay_64 Start: 42393, Stop: 42118, Start Num: 84
Candidate Starts for Nerujay_64:
(Start: 83 @42396 has 30 MA's), (Start: 84 @42393 has 118 MA's), (Start: 89 @42381 has 4 MA's), (Start: 132 @42351 has 11 MA's), (146, 42300), (149, 42285), (158, 42264), (168, 42234), (176, 42204),

Gene: Netyap_32 Start: 28422, Stop: 28688, Start Num: 127
Candidate Starts for Netyap_32:
(Start: 127 @28422 has 245 MA's), (139, 28467), (156, 28518), (181, 28584), (207, 28656), (218, 28677),

Gene: Neuvillette_3 Start: 977, Stop: 1246, Start Num: 121
Candidate Starts for Neuvillette_3:
(Start: 121 @977 has 15 MA's),

Gene: Nibb_69 Start: 43994, Stop: 44221, Start Num: 129
Candidate Starts for Nibb_69:
(Start: 129 @43994 has 146 MA's), (174, 44129), (190, 44165),

Gene: Nibley_46 Start: 39034, Stop: 39279, Start Num: 127
Candidate Starts for Nibley_46:
(Start: 127 @39034 has 245 MA's), (146, 39097), (155, 39127), (156, 39130), (178, 39190), (180, 39193), (181, 39196),

Gene: Nicholas_31 Start: 28784, Stop: 29050, Start Num: 127
Candidate Starts for Nicholas_31:
(Start: 127 @28784 has 245 MA's), (Start: 132 @28796 has 11 MA's), (139, 28829),

Gene: Nicholasp3_32 Start: 28424, Stop: 28690, Start Num: 127
Candidate Starts for Nicholasp3_32:
(Start: 127 @28424 has 245 MA's), (139, 28469), (156, 28520), (181, 28586), (207, 28658), (218, 28679),

Gene: NihilNomen_51 Start: 44218, Stop: 44466, Start Num: 127
Candidate Starts for NihilNomen_51:
(Start: 127 @44218 has 245 MA's), (171, 44350),

Gene: Niklas_69 Start: 44184, Stop: 44423, Start Num: 128
Candidate Starts for Niklas_69:
(Start: 128 @44184 has 5 MA's), (155, 44274), (167, 44310), (173, 44328), (199, 44391),

Gene: Nilo_41 Start: 36395, Stop: 36640, Start Num: 123
Candidate Starts for Nilo_41:
(95, 36353), (Start: 123 @36395 has 9 MA's), (133, 36416), (137, 36437), (146, 36464), (182, 36563), (183, 36566), (185, 36569), (202, 36620),

Gene: Nimrod_37 Start: 33377, Stop: 33622, Start Num: 127
Candidate Starts for Nimrod_37:
(Start: 127 @33377 has 245 MA's), (145, 33434), (155, 33467), (158, 33473), (175, 33527), (180, 33539),

Gene: Niobe_34 Start: 26608, Stop: 26865, Start Num: 124
Candidate Starts for Niobe_34:
(18, 26371), (19, 26380), (Start: 124 @26608 has 24 MA's), (140, 26656), (180, 26773),

Gene: Nitro_33 Start: 25923, Stop: 26186, Start Num: 108
Candidate Starts for Nitro_33:
(Start: 108 @25923 has 27 MA's), (178, 26103),

Gene: Niza_64 Start: 43063, Stop: 42797, Start Num: 84
Candidate Starts for Niza_64:
(Start: 83 @43066 has 30 MA's), (Start: 84 @43063 has 118 MA's), (Start: 89 @43051 has 4 MA's), (Start: 132 @43030 has 11 MA's), (146, 42979), (149, 42964), (158, 42943), (168, 42913), (176, 42883), (210, 42808),

Gene: NoSleep_38 Start: 32874, Stop: 33119, Start Num: 127
Candidate Starts for NoSleep_38:
(Start: 127 @32874 has 245 MA's), (145, 32931), (155, 32964), (158, 32970), (175, 33024), (180, 33036),

Gene: NonchalantPear_37 Start: 32827, Stop: 33072, Start Num: 127
Candidate Starts for NonchalantPear_37:
(Start: 127 @32827 has 245 MA's), (145, 32884), (155, 32917), (158, 32923), (175, 32977), (180, 32989),

Gene: Norvs_124 Start: 71047, Stop: 71340, Start Num: 111
Candidate Starts for Norvs_124:
(Start: 111 @71047 has 18 MA's), (137, 71095), (176, 71224),

Gene: Norz_62 Start: 43480, Stop: 43214, Start Num: 84
Candidate Starts for Norz_62:
(Start: 83 @43483 has 30 MA's), (Start: 84 @43480 has 118 MA's), (Start: 89 @43468 has 4 MA's), (Start: 132 @43447 has 11 MA's), (146, 43396), (149, 43381), (158, 43360), (168, 43330), (176, 43300),

Gene: NothingSpecial_56 Start: 38807, Stop: 38535, Start Num: 87
Candidate Starts for NothingSpecial_56:
(Start: 87 @38807 has 127 MA's), (Start: 131 @38786 has 11 MA's), (Start: 132 @38780 has 11 MA's), (141, 38744), (155, 38702), (160, 38693), (170, 38657), (180, 38627), (186, 38618), (187, 38615),

Gene: November_64 Start: 43864, Stop: 44103, Start Num: 129
Candidate Starts for November_64:
(77, 43798), (Start: 129 @43864 has 146 MA's), (Start: 132 @43873 has 11 MA's), (190, 44050),

Gene: Noxious_59 Start: 40961, Stop: 40695, Start Num: 84
Candidate Starts for Noxious_59:

(Start: 83 @40964 has 30 MA's), (Start: 84 @40961 has 118 MA's), (Start: 89 @40949 has 4 MA's), (Start: 132 @40928 has 11 MA's), (146, 40877), (149, 40862), (158, 40841), (168, 40811), (176, 40781),

Gene: Oatly_9 Start: 6310, Stop: 5987, Start Num: 119
Candidate Starts for Oatly_9:
(31, 6478), (36, 6460), (47, 6427), (Start: 119 @6310 has 71 MA's), (140, 6259), (146, 6244), (163, 6196), (200, 6088), (222, 6040), (224, 6022),

Gene: ObiToo_36 Start: 25276, Stop: 25518, Start Num: 109
Candidate Starts for ObiToo_36:
(18, 25018), (25, 25054), (Start: 109 @25276 has 5 MA's),

Gene: Odette_52 Start: 43439, Stop: 43684, Start Num: 127
Candidate Starts for Odette_52:
(Start: 127 @43439 has 245 MA's), (146, 43502), (155, 43532), (156, 43535), (178, 43595), (180, 43598), (181, 43601),

Gene: Odin_56 Start: 37328, Stop: 37056, Start Num: 87
Candidate Starts for Odin_56:
(Start: 87 @37328 has 127 MA's), (Start: 132 @37301 has 11 MA's), (170, 37178), (173, 37166),

Gene: Ohno789_62 Start: 41791, Stop: 41525, Start Num: 84
Candidate Starts for Ohno789_62:
(Start: 84 @41791 has 118 MA's), (Start: 89 @41779 has 4 MA's), (Start: 108 @41764 has 27 MA's), (Start: 132 @41758 has 11 MA's), (146, 41707), (149, 41692), (158, 41671), (168, 41641), (176, 41611), (210, 41536),

Gene: Omega_56 Start: 45262, Stop: 45501, Start Num: 132
Candidate Starts for Omega_56:
(Start: 132 @45262 has 11 MA's), (138, 45289), (155, 45343), (156, 45346), (176, 45403), (191, 45439),

Gene: Omnicron_64 Start: 42953, Stop: 43201, Start Num: 129
Candidate Starts for Omnicron_64:
(Start: 129 @42953 has 146 MA's), (140, 42998),

Gene: OneUp_110 Start: 69312, Stop: 69614, Start Num: 106
Candidate Starts for OneUp_110:
(Start: 106 @69312 has 2 MA's), (Start: 114 @69324 has 6 MA's), (175, 69492),

Gene: Onglai_56 Start: 36566, Stop: 36294, Start Num: 87
Candidate Starts for Onglai_56:
(Start: 87 @36566 has 127 MA's), (Start: 121 @36557 has 15 MA's), (143, 36500), (154, 36464), (167, 36425), (175, 36398), (180, 36386),

Gene: Oofda_65 Start: 37642, Stop: 37373, Start Num: 115
Candidate Starts for Oofda_65:
(Start: 115 @37642 has 23 MA's), (180, 37465),

Gene: Oogway_61 Start: 42078, Stop: 41827, Start Num: 121
Candidate Starts for Oogway_61:

(Start: 83 @42126 has 30 MA's), (Start: 84 @42123 has 118 MA's), (Start: 89 @42111 has 4 MA's), (Start: 121 @42078 has 15 MA's), (Start: 132 @42060 has 11 MA's), (146, 42009), (149, 41994), (158, 41973), (168, 41943), (176, 41913), (210, 41838),

Gene: Optimus_57 Start: 45133, Stop: 45381, Start Num: 127
Candidate Starts for Optimus_57:
(Start: 127 @45133 has 245 MA's), (171, 45265),

Gene: Orange_57 Start: 37335, Stop: 37063, Start Num: 87
Candidate Starts for Orange_57:
(Start: 87 @37335 has 127 MA's), (Start: 121 @37326 has 15 MA's), (180, 37155),

Gene: Origami_41 Start: 26498, Stop: 26785, Start Num: 119
Candidate Starts for Origami_41:
(Start: 119 @26498 has 71 MA's),

Gene: OrionPax_38 Start: 32880, Stop: 33125, Start Num: 127
Candidate Starts for OrionPax_38:
(Start: 127 @32880 has 245 MA's), (145, 32937), (155, 32970), (158, 32976), (175, 33030), (180, 33042),

Gene: Orkz_49 Start: 32713, Stop: 32997, Start Num: 127
Candidate Starts for Orkz_49:
(18, 32434), (Start: 110 @32695 has 15 MA's), (Start: 127 @32713 has 245 MA's), (157, 32821), (195, 32926), (205, 32956),

Gene: Oscar_70 Start: 44198, Stop: 44425, Start Num: 129
Candidate Starts for Oscar_70:
(Start: 129 @44198 has 146 MA's), (164, 44315), (174, 44333),

Gene: PSullivan_60 Start: 39680, Stop: 39405, Start Num: 84
Candidate Starts for PSullivan_60:
(Start: 83 @39683 has 30 MA's), (Start: 84 @39680 has 118 MA's), (Start: 89 @39668 has 4 MA's), (Start: 132 @39638 has 11 MA's), (146, 39587), (149, 39572), (158, 39551), (168, 39521), (176, 39491),

Gene: Pabst_9 Start: 6171, Stop: 5848, Start Num: 119
Candidate Starts for Pabst_9:
(86, 6219), (Start: 119 @6171 has 71 MA's), (137, 6132), (140, 6120), (200, 5949), (219, 5916), (224, 5883), (227, 5865),

Gene: PackMan_57 Start: 38225, Stop: 37953, Start Num: 87
Candidate Starts for PackMan_57:
(Start: 87 @38225 has 127 MA's), (Start: 121 @38216 has 15 MA's), (143, 38159), (154, 38123), (167, 38084), (175, 38057), (180, 38045),

Gene: PaddyBaddy_38 Start: 32890, Stop: 33135, Start Num: 127
Candidate Starts for PaddyBaddy_38:
(Start: 127 @32890 has 245 MA's), (145, 32947), (155, 32980), (158, 32986), (175, 33040), (180, 33052),

Gene: Padfoot_66 Start: 43819, Stop: 44061, Start Num: 129
Candidate Starts for Padfoot_66:

(Start: 129 @43819 has 146 MA's), (155, 43909), (190, 44005), (199, 44029),

Gene: Padpat_69 Start: 43939, Stop: 44181, Start Num: 129
Candidate Starts for Padpat_69:
(Start: 129 @43939 has 146 MA's), (155, 44029), (190, 44125), (199, 44149),

Gene: PainterBoy_59 Start: 38298, Stop: 38026, Start Num: 87
Candidate Starts for PainterBoy_59:
(51, 38367), (Start: 87 @38298 has 127 MA's), (Start: 121 @38289 has 15 MA's), (154, 38196), (170, 38148), (175, 38130), (180, 38118),

Gene: Palpatine_37 Start: 33149, Stop: 33394, Start Num: 127
Candidate Starts for Palpatine_37:
(Start: 127 @33149 has 245 MA's), (145, 33206), (155, 33239), (158, 33245), (175, 33299), (180, 33311),

Gene: Panchaali_99 Start: 83918, Stop: 84178, Start Num: 127
Candidate Starts for Panchaali_99:
(Start: 127 @83918 has 245 MA's), (206, 84137),

Gene: Panchino_48 Start: 35810, Stop: 36058, Start Num: 118
Candidate Starts for Panchino_48:
(30, 35636), (66, 35732), (Start: 118 @35810 has 37 MA's), (Start: 131 @35822 has 11 MA's), (155, 35906), (176, 35972), (178, 35975),

Gene: Paola_60 Start: 42432, Stop: 42680, Start Num: 129
Candidate Starts for Paola_60:
(Start: 129 @42432 has 146 MA's), (149, 42507), (174, 42579),

Gene: Paperbeatsrock_39 Start: 34115, Stop: 34360, Start Num: 127
Candidate Starts for Paperbeatsrock_39:
(Start: 127 @34115 has 245 MA's), (145, 34172), (155, 34205), (158, 34211), (175, 34265), (180, 34277),

Gene: Papez_64 Start: 42624, Stop: 42355, Start Num: 83
Candidate Starts for Papez_64:
(Start: 83 @42624 has 30 MA's), (Start: 84 @42621 has 118 MA's), (Start: 89 @42609 has 4 MA's), (Start: 132 @42588 has 11 MA's), (146, 42537), (149, 42522), (158, 42501), (168, 42471), (176, 42441),

Gene: Papyrus_40 Start: 36054, Stop: 36299, Start Num: 123
Candidate Starts for Papyrus_40:
(95, 36012), (Start: 123 @36054 has 9 MA's), (133, 36075), (137, 36096), (145, 36120), (146, 36123), (182, 36222), (183, 36225), (185, 36228),

Gene: Paraselene_60 Start: 41399, Stop: 41133, Start Num: 84
Candidate Starts for Paraselene_60:
(Start: 83 @41402 has 30 MA's), (Start: 84 @41399 has 118 MA's), (Start: 89 @41387 has 4 MA's), (Start: 132 @41366 has 11 MA's), (146, 41315), (149, 41300), (158, 41279), (168, 41249), (176, 41219), (210, 41144),

Gene: Pari_65 Start: 40809, Stop: 40543, Start Num: 84
Candidate Starts for Pari_65:

(Start: 83 @40812 has 30 MA's), (Start: 84 @40809 has 118 MA's), (Start: 89 @40797 has 4 MA's), (Start: 108 @40782 has 27 MA's), (Start: 132 @40776 has 11 MA's), (146, 40725), (149, 40710), (158, 40689), (168, 40659), (176, 40629), (210, 40554),

Gene: Parmesanjohn_50 Start: 34925, Stop: 35173, Start Num: 118
Candidate Starts for Parmesanjohn_50:
(12, 34511), (26, 34718), (30, 34751), (66, 34847), (Start: 118 @34925 has 37 MA's), (Start: 131 @34937 has 11 MA's), (Start: 132 @34943 has 11 MA's), (155, 35021), (176, 35087), (178, 35090),

Gene: PascalRango_60 Start: 40921, Stop: 40646, Start Num: 84
Candidate Starts for PascalRango_60:
(Start: 83 @40924 has 30 MA's), (Start: 84 @40921 has 118 MA's), (Start: 89 @40909 has 4 MA's), (Start: 132 @40879 has 11 MA's), (146, 40828), (149, 40813), (158, 40792), (168, 40762), (176, 40732),

Gene: Pat3_36 Start: 31861, Stop: 32106, Start Num: 127
Candidate Starts for Pat3_36:
(Start: 127 @31861 has 245 MA's), (145, 31918), (155, 31951), (158, 31957), (173, 32005), (175, 32011), (180, 32023),

Gene: Patbob_107 Start: 87222, Stop: 87470, Start Num: 127
Candidate Starts for Patbob_107:
(Start: 127 @87222 has 245 MA's), (Start: 131 @87228 has 11 MA's), (Start: 132 @87234 has 11 MA's),

Gene: Patt_66 Start: 42008, Stop: 42271, Start Num: 119
Candidate Starts for Patt_66:
(28, 41825), (Start: 119 @42008 has 71 MA's), (155, 42110), (188, 42206), (210, 42260),

Gene: PattyP_64 Start: 42323, Stop: 42045, Start Num: 83
Candidate Starts for PattyP_64:
(Start: 83 @42323 has 30 MA's), (Start: 84 @42320 has 118 MA's), (Start: 89 @42308 has 4 MA's), (Start: 132 @42278 has 11 MA's), (146, 42227), (149, 42212), (158, 42191), (168, 42161), (176, 42131),

Gene: PauloDiaboli_218 Start: 116530, Stop: 116276, Start Num: 127
Candidate Starts for PauloDiaboli_218:
(Start: 127 @116530 has 245 MA's), (164, 116416), (173, 116389),

Gene: Payneful_60 Start: 40589, Stop: 40314, Start Num: 84
Candidate Starts for Payneful_60:
(Start: 83 @40592 has 30 MA's), (Start: 84 @40589 has 118 MA's), (Start: 89 @40577 has 4 MA's), (Start: 132 @40547 has 11 MA's), (146, 40496), (149, 40481), (158, 40460), (164, 40439), (168, 40430), (176, 40400),

Gene: Peanam_69 Start: 44141, Stop: 44380, Start Num: 128
Candidate Starts for Peanam_69:
(Start: 128 @44141 has 5 MA's), (155, 44231), (167, 44267), (173, 44285), (199, 44348),

Gene: Peel_66 Start: 43624, Stop: 43866, Start Num: 129
Candidate Starts for Peel_66:
(Start: 129 @43624 has 146 MA's), (155, 43714), (190, 43810), (199, 43834),

Gene: PegLeg_39 Start: 32761, Stop: 33039, Start Num: 110
Candidate Starts for PegLeg_39:
(46, 32650), (Start: 110 @32761 has 15 MA's), (Start: 127 @32779 has 245 MA's), (146, 32842), (174, 32929), (176, 32938), (181, 32947),

Gene: Pelly_63 Start: 43135, Stop: 42869, Start Num: 84
Candidate Starts for Pelly_63:
(Start: 83 @43138 has 30 MA's), (Start: 84 @43135 has 118 MA's), (Start: 89 @43123 has 4 MA's), (Start: 132 @43102 has 11 MA's), (146, 43051), (149, 43036), (158, 43015), (168, 42985), (176, 42955), (210, 42880),

Gene: Pepe_60 Start: 40251, Stop: 39985, Start Num: 84
Candidate Starts for Pepe_60:
(Start: 83 @40254 has 30 MA's), (Start: 84 @40251 has 118 MA's), (Start: 89 @40239 has 4 MA's), (Start: 108 @40224 has 27 MA's), (Start: 132 @40218 has 11 MA's), (146, 40167), (149, 40152), (168, 40101), (176, 40071),

Gene: Percival_43 Start: 28266, Stop: 28523, Start Num: 121
Candidate Starts for Percival_43:
(44, 28155), (45, 28158), (Start: 121 @28266 has 15 MA's), (140, 28320), (181, 28446), (189, 28458), (194, 28470),

Gene: Perseus_61 Start: 42872, Stop: 42606, Start Num: 84
Candidate Starts for Perseus_61:
(Start: 83 @42875 has 30 MA's), (Start: 84 @42872 has 118 MA's), (Start: 89 @42860 has 4 MA's), (Start: 132 @42839 has 11 MA's), (146, 42788), (149, 42773), (158, 42752), (168, 42722), (176, 42692),

Gene: Petersenfast_56 Start: 37334, Stop: 37062, Start Num: 87
Candidate Starts for Petersenfast_56:
(Start: 87 @37334 has 127 MA's), (Start: 121 @37325 has 15 MA's), (180, 37154),

Gene: Peterson_66 Start: 43632, Stop: 43366, Start Num: 84
Candidate Starts for Peterson_66:
(Start: 84 @43632 has 118 MA's), (Start: 89 @43620 has 4 MA's), (Start: 132 @43599 has 11 MA's), (146, 43548), (149, 43533), (158, 43512), (168, 43482), (176, 43452), (210, 43377),

Gene: Petra64142_39 Start: 33595, Stop: 33840, Start Num: 127
Candidate Starts for Petra64142_39:
(Start: 127 @33595 has 245 MA's), (145, 33652), (155, 33685), (158, 33691), (175, 33745), (180, 33757),

Gene: Petruchio_62 Start: 40710, Stop: 40435, Start Num: 84
Candidate Starts for Petruchio_62:
(Start: 83 @40713 has 30 MA's), (Start: 84 @40710 has 118 MA's), (Start: 89 @40698 has 4 MA's), (Start: 132 @40668 has 11 MA's), (146, 40617), (149, 40602), (158, 40581), (168, 40551), (176, 40521), (210, 40446),

Gene: Ph8s_59 Start: 37685, Stop: 37413, Start Num: 87
Candidate Starts for Ph8s_59:
(Start: 87 @37685 has 127 MA's), (141, 37622), (158, 37574), (170, 37535), (173, 37523), (180, 37505),

Gene: Phabba_83 Start: 30849, Stop: 31100, Start Num: 127
Candidate Starts for Phabba_83:
(Start: 127 @30849 has 245 MA's), (140, 30894), (167, 30975),

Gene: Phaeder_58 Start: 38225, Stop: 37953, Start Num: 87
Candidate Starts for Phaeder_58:
(Start: 87 @38225 has 127 MA's), (Start: 121 @38216 has 15 MA's), (143, 38159), (154, 38123), (167, 38084), (175, 38057), (180, 38045),

Gene: PhancyPhin_55 Start: 36169, Stop: 36417, Start Num: 118
Candidate Starts for PhancyPhin_55:
(Start: 118 @36169 has 37 MA's), (Start: 131 @36181 has 11 MA's), (176, 36331), (178, 36334), (210, 36409),

Gene: Pharaoh_53 Start: 38271, Stop: 37999, Start Num: 87
Candidate Starts for Pharaoh_53:
(23, 38472), (Start: 87 @38271 has 127 MA's), (Start: 121 @38262 has 15 MA's), (Start: 131 @38250 has 11 MA's), (141, 38208), (154, 38169), (170, 38121), (175, 38103), (180, 38091), (186, 38082),

Gene: Pharb_67 Start: 43448, Stop: 43690, Start Num: 127
Candidate Starts for Pharb_67:
(Start: 127 @43448 has 245 MA's), (137, 43481), (155, 43538), (178, 43610),

Gene: Pharky_9 Start: 6092, Stop: 5736, Start Num: 119
Candidate Starts for Pharky_9:
(Start: 119 @6092 has 71 MA's), (137, 6053), (141, 6038), (171, 5951), (173, 5942), (216, 5834), (220, 5825), (224, 5786),

Gene: Pharsalus_38 Start: 33915, Stop: 34160, Start Num: 127
Candidate Starts for Pharsalus_38:
(Start: 127 @33915 has 245 MA's), (145, 33972), (155, 34005), (158, 34011), (175, 34065), (180, 34077),

Gene: PhatBacter_37 Start: 33163, Stop: 33408, Start Num: 127
Candidate Starts for PhatBacter_37:
(Start: 127 @33163 has 245 MA's), (145, 33220), (155, 33253), (158, 33259), (175, 33313), (180, 33325),

Gene: Phaux_36 Start: 33161, Stop: 33406, Start Num: 127
Candidate Starts for Phaux_36:
(Start: 127 @33161 has 245 MA's), (145, 33218), (155, 33251), (158, 33257), (175, 33311), (180, 33323),

Gene: Phedro_9 Start: 6092, Stop: 5736, Start Num: 119
Candidate Starts for Phedro_9:
(Start: 119 @6092 has 71 MA's), (137, 6053), (141, 6038), (171, 5951), (173, 5942), (216, 5834), (220, 5825), (224, 5786),

Gene: PhelpsODU_68 Start: 43391, Stop: 43630, Start Num: 129
Candidate Starts for PhelpsODU_68:
(Start: 129 @43391 has 146 MA's), (Start: 132 @43400 has 11 MA's), (155, 43481), (178, 43550),

Gene: PherrisBueller_61 Start: 39865, Stop: 39599, Start Num: 84

Candidate Starts for PherrisBueller_61:
(Start: 84 @39865 has 118 MA's), (Start: 89 @39853 has 4 MA's), (Start: 108 @39838 has 27 MA's), (Start: 132 @39832 has 11 MA's), (146, 39781), (149, 39766), (158, 39745), (168, 39715), (176, 39685), (210, 39610),

Gene: PhineBark_62 Start: 41556, Stop: 41281, Start Num: 84
Candidate Starts for PhineBark_62:
(Start: 83 @41559 has 30 MA's), (Start: 84 @41556 has 118 MA's), (Start: 89 @41544 has 4 MA's), (Start: 132 @41514 has 11 MA's), (149, 41448), (158, 41427), (168, 41397), (176, 41367),

Gene: PhinkBoden_125 Start: 71915, Stop: 72205, Start Num: 114
Candidate Starts for PhinkBoden_125:
(53, 71807), (60, 71822), (85, 71867), (Start: 114 @71915 has 6 MA's), (137, 71960), (176, 72089),

Gene: Phives_35 Start: 26643, Stop: 26906, Start Num: 108
Candidate Starts for Phives_35:
(18, 26406), (20, 26415), (Start: 108 @26643 has 27 MA's),

Gene: Phlei_47 Start: 37907, Stop: 37635, Start Num: 87
Candidate Starts for Phlei_47:
(Start: 87 @37907 has 127 MA's), (Start: 121 @37898 has 15 MA's), (158, 37796), (170, 37757), (171, 37754), (199, 37673),

Gene: Phlippers_58 Start: 41400, Stop: 41134, Start Num: 84
Candidate Starts for Phlippers_58:
(Start: 83 @41403 has 30 MA's), (Start: 84 @41400 has 118 MA's), (Start: 89 @41388 has 4 MA's), (Start: 132 @41367 has 11 MA's), (146, 41316), (149, 41301), (158, 41280), (168, 41250), (176, 41220),

Gene: Phloss_48 Start: 34332, Stop: 34580, Start Num: 118
Candidate Starts for Phloss_48:
(12, 33918), (26, 34125), (30, 34158), (66, 34254), (Start: 118 @34332 has 37 MA's), (Start: 131 @34344 has 11 MA's), (Start: 132 @34350 has 11 MA's), (155, 34428), (176, 34494), (178, 34497),

Gene: Phoebus_51 Start: 44419, Stop: 44667, Start Num: 127
Candidate Starts for Phoebus_51:
(Start: 127 @44419 has 245 MA's), (171, 44551),

Gene: Phogo_9 Start: 6365, Stop: 6045, Start Num: 119
Candidate Starts for Phogo_9:
(59, 6455), (Start: 119 @6365 has 71 MA's), (140, 6314), (146, 6299), (163, 6251), (219, 6110),

Gene: Phonnegut_58 Start: 38322, Stop: 38050, Start Num: 87
Candidate Starts for Phonnegut_58:
(Start: 87 @38322 has 127 MA's), (Start: 121 @38313 has 15 MA's), (143, 38256), (154, 38220), (167, 38181), (175, 38154), (180, 38142),

Gene: Phractured_9 Start: 6092, Stop: 5736, Start Num: 119
Candidate Starts for Phractured_9:
(Start: 119 @6092 has 71 MA's), (137, 6053), (141, 6038), (171, 5951), (173, 5942), (216, 5834), (220, 5825), (224, 5786),

Gene: Phrampa_101 Start: 88629, Stop: 88877, Start Num: 127

Candidate Starts for Phrampa_101:
(Start: 127 @88629 has 245 MA's), (Start: 131 @88635 has 11 MA's), (Start: 132 @88641 has 11 MA's), (173, 88773),

Gene: Phrank_70 Start: 43454, Stop: 43693, Start Num: 129
Candidate Starts for Phrank_70:
(73, 43370), (Start: 129 @43454 has 146 MA's), (Start: 132 @43463 has 11 MA's), (155, 43544), (173, 43598),

Gene: Phrann_52 Start: 36452, Stop: 36700, Start Num: 118
Candidate Starts for Phrann_52:
(Start: 118 @36452 has 37 MA's), (Start: 131 @36464 has 11 MA's), (176, 36614), (178, 36617), (210, 36692),

Gene: PhriedRice_9 Start: 6092, Stop: 5736, Start Num: 119
Candidate Starts for PhriedRice_9:
(Start: 119 @6092 has 71 MA's), (137, 6053), (141, 6038), (173, 5942), (216, 5834), (220, 5825), (224, 5786),

Gene: PhrostyMug_62 Start: 42644, Stop: 42375, Start Num: 83
Candidate Starts for PhrostyMug_62:
(Start: 83 @42644 has 30 MA's), (Start: 84 @42641 has 118 MA's), (Start: 89 @42629 has 4 MA's), (Start: 132 @42608 has 11 MA's), (146, 42557), (149, 42542), (158, 42521), (168, 42491), (176, 42461),

Gene: Phrux_37 Start: 32876, Stop: 33121, Start Num: 127
Candidate Starts for Phrux_37:
(Start: 127 @32876 has 245 MA's), (145, 32933), (155, 32966), (158, 32972), (175, 33026), (180, 33038),

Gene: Piatt_66 Start: 43819, Stop: 44061, Start Num: 129
Candidate Starts for Piatt_66:
(Start: 129 @43819 has 146 MA's), (155, 43909), (190, 44005), (199, 44029),

Gene: PineapplePluto_10 Start: 6454, Stop: 6131, Start Num: 119
Candidate Starts for PineapplePluto_10:
(31, 6622), (47, 6571), (Start: 119 @6454 has 71 MA's), (140, 6403), (146, 6388), (163, 6340), (200, 6232), (222, 6184), (224, 6166),

Gene: PinkPlastic_62 Start: 41194, Stop: 40919, Start Num: 84
Candidate Starts for PinkPlastic_62:
(Start: 83 @41197 has 30 MA's), (Start: 84 @41194 has 118 MA's), (Start: 89 @41182 has 4 MA's), (Start: 132 @41152 has 11 MA's), (146, 41101), (149, 41086), (158, 41065), (168, 41035), (176, 41005), (210, 40930),

Gene: Pinto_62 Start: 40971, Stop: 40705, Start Num: 82
Candidate Starts for Pinto_62:
(Start: 82 @40971 has 6 MA's), (Start: 89 @40959 has 4 MA's), (Start: 132 @40938 has 11 MA's), (146, 40887), (149, 40872), (158, 40851), (168, 40821), (176, 40791), (210, 40716),

Gene: Pioneer_58 Start: 38322, Stop: 38050, Start Num: 87
Candidate Starts for Pioneer_58:

(Start: 87 @38322 has 127 MA's), (Start: 121 @38313 has 15 MA's), (143, 38256), (154, 38220), (167, 38181), (175, 38154), (180, 38142),

Gene: Pippin_62 Start: 40576, Stop: 40307, Start Num: 83
Candidate Starts for Pippin_62:
(Start: 83 @40576 has 30 MA's), (Start: 84 @40573 has 118 MA's), (Start: 89 @40561 has 4 MA's), (Start: 132 @40540 has 11 MA's), (146, 40489), (149, 40474), (158, 40453), (168, 40423), (176, 40393),

Gene: Pippin15_52 Start: 34099, Stop: 34347, Start Num: 124
Candidate Starts for Pippin15_52:
(Start: 124 @34099 has 24 MA's), (Start: 132 @34114 has 11 MA's), (158, 34198), (176, 34258), (178, 34261), (181, 34267), (215, 34336),

Gene: Pipsqueaks_50 Start: 34902, Stop: 35150, Start Num: 118
Candidate Starts for Pipsqueaks_50:
(12, 34488), (26, 34695), (30, 34728), (66, 34824), (Start: 118 @34902 has 37 MA's), (Start: 131 @34914 has 11 MA's), (Start: 132 @34920 has 11 MA's), (155, 34998), (176, 35064), (178, 35067),

Gene: Pisa1_66 Start: 44437, Stop: 44682, Start Num: 129
Candidate Starts for Pisa1_66:
(Start: 129 @44437 has 146 MA's), (155, 44527), (190, 44623), (199, 44647),

Gene: Pisa4_60 Start: 39806, Stop: 40051, Start Num: 129
Candidate Starts for Pisa4_60:
(Start: 129 @39806 has 146 MA's), (155, 39896), (190, 39992), (199, 40016),

Gene: Pita2_63 Start: 41180, Stop: 40902, Start Num: 83
Candidate Starts for Pita2_63:
(Start: 83 @41180 has 30 MA's), (Start: 84 @41177 has 118 MA's), (Start: 89 @41165 has 4 MA's), (Start: 132 @41135 has 11 MA's), (146, 41084), (149, 41069), (158, 41048), (168, 41018), (176, 40988),

Gene: Pixelle_33 Start: 26398, Stop: 26640, Start Num: 109
Candidate Starts for Pixelle_33:
(Start: 109 @26398 has 5 MA's),

Gene: Pixie_67 Start: 43623, Stop: 43865, Start Num: 127
Candidate Starts for Pixie_67:
(Start: 127 @43623 has 245 MA's), (137, 43656), (155, 43713), (164, 43740), (174, 43773), (178, 43785),

Gene: Pokerus_66 Start: 43964, Stop: 44206, Start Num: 129
Candidate Starts for Pokerus_66:
(Start: 129 @43964 has 146 MA's), (155, 44054), (190, 44150), (199, 44174),

Gene: Policronamos_37 Start: 33161, Stop: 33406, Start Num: 127
Candidate Starts for Policronamos_37:
(Start: 127 @33161 has 245 MA's), (145, 33218), (155, 33251), (158, 33257), (175, 33311), (180, 33323),

Gene: Pollywog_85 Start: 50811, Stop: 51077, Start Num: 82
Candidate Starts for Pollywog_85:

(Start: 82 @50811 has 6 MA's), (Start: 89 @50823 has 4 MA's), (Start: 132 @50844 has 11 MA's), (146, 50895), (149, 50910), (158, 50931), (164, 50952), (168, 50961), (176, 50991), (210, 51066),

Gene: Pomar16_60 Start: 38309, Stop: 38037, Start Num: 87
Candidate Starts for Pomar16_60:
(Start: 87 @38309 has 127 MA's), (Start: 121 @38300 has 15 MA's), (154, 38207), (180, 38129), (199, 38075),

Gene: Porcelain_50 Start: 40623, Stop: 40862, Start Num: 132
Candidate Starts for Porcelain_50:
(Start: 132 @40623 has 11 MA's), (138, 40650), (155, 40704), (156, 40707), (176, 40764), (191, 40800),

Gene: Porky_37 Start: 32972, Stop: 33217, Start Num: 127
Candidate Starts for Porky_37:
(Start: 127 @32972 has 245 MA's), (145, 33029), (155, 33062), (158, 33068), (175, 33122), (180, 33134),

Gene: Pound_54 Start: 45996, Stop: 46244, Start Num: 127
Candidate Starts for Pound_54:
(Start: 127 @45996 has 245 MA's), (171, 46128),

Gene: Power_57 Start: 38477, Stop: 38205, Start Num: 87
Candidate Starts for Power_57:
(Start: 87 @38477 has 127 MA's), (Start: 121 @38468 has 15 MA's), (Start: 131 @38456 has 11 MA's), (Start: 132 @38450 has 11 MA's), (170, 38327),

Gene: PowerRanger_60 Start: 42237, Stop: 41971, Start Num: 84
Candidate Starts for PowerRanger_60:
(Start: 83 @42240 has 30 MA's), (Start: 84 @42237 has 118 MA's), (Start: 89 @42225 has 4 MA's), (Start: 132 @42204 has 11 MA's), (146, 42153), (149, 42138), (168, 42087), (198, 42012), (210, 41982),

Gene: Powerpuff_35 Start: 25868, Stop: 26110, Start Num: 108
Candidate Starts for Powerpuff_35:
(Start: 108 @25868 has 27 MA's), (178, 26027),

Gene: Prithvi_68 Start: 44110, Stop: 44352, Start Num: 129
Candidate Starts for Prithvi_68:
(Start: 129 @44110 has 146 MA's), (155, 44200), (190, 44296),

Gene: Priya_58 Start: 38292, Stop: 38020, Start Num: 87
Candidate Starts for Priya_58:
(Start: 87 @38292 has 127 MA's), (Start: 121 @38283 has 15 MA's), (143, 38226), (154, 38190), (167, 38151), (175, 38124), (180, 38112),

Gene: Ptowny_38 Start: 32517, Stop: 32762, Start Num: 127
Candidate Starts for Ptowny_38:
(Start: 127 @32517 has 245 MA's), (145, 32574), (155, 32607), (158, 32613), (175, 32667), (180, 32679),

Gene: Pumpernickel_201 Start: 115898, Stop: 115641, Start Num: 127
Candidate Starts for Pumpernickel_201:

(Start: 127 @115898 has 245 MA's), (173, 115754), (178, 115739),

Gene: Pumpkin_39 Start: 33212, Stop: 33457, Start Num: 127
Candidate Starts for Pumpkin_39:
(Start: 127 @33212 has 245 MA's), (145, 33269), (155, 33302), (158, 33308), (175, 33362), (180, 33374),

Gene: Pumpkins_33 Start: 25496, Stop: 25762, Start Num: 108
Candidate Starts for Pumpkins_33:
(Start: 108 @25496 has 27 MA's), (178, 25679),

Gene: Pupper_77 Start: 28936, Stop: 29202, Start Num: 125
Candidate Starts for Pupper_77:
(Start: 125 @28936 has 4 MA's), (139, 28984), (180, 29104), (200, 29164),

Gene: Puppet_60 Start: 42578, Stop: 42312, Start Num: 84
Candidate Starts for Puppet_60:
(Start: 83 @42581 has 30 MA's), (Start: 84 @42578 has 118 MA's), (Start: 89 @42566 has 4 MA's), (Start: 132 @42545 has 11 MA's), (146, 42494), (149, 42479), (158, 42458), (164, 42437), (168, 42428), (176, 42398),

Gene: Purgamenstris_55 Start: 36173, Stop: 36421, Start Num: 118
Candidate Starts for Purgamenstris_55:
(Start: 118 @36173 has 37 MA's), (Start: 131 @36185 has 11 MA's), (176, 36335), (178, 36338), (210, 36413),

Gene: QTRlifeCrisis_62 Start: 41518, Stop: 41243, Start Num: 84
Candidate Starts for QTRlifeCrisis_62:
(Start: 83 @41521 has 30 MA's), (Start: 84 @41518 has 118 MA's), (Start: 89 @41506 has 4 MA's), (Start: 132 @41476 has 11 MA's), (146, 41425), (149, 41410), (158, 41389), (168, 41359), (176, 41329),

Gene: Qhanda_72 Start: 43386, Stop: 43649, Start Num: 119
Candidate Starts for Qhanda_72:
(Start: 119 @43386 has 71 MA's), (Start: 131 @43401 has 11 MA's), (155, 43488), (188, 43584), (210, 43638),

Gene: Qobbit_58 Start: 38254, Stop: 37982, Start Num: 87
Candidate Starts for Qobbit_58:
(Start: 87 @38254 has 127 MA's), (Start: 121 @38245 has 15 MA's), (143, 38188), (154, 38152), (167, 38113), (175, 38086), (180, 38074),

Gene: Quallification_38 Start: 33341, Stop: 33586, Start Num: 127
Candidate Starts for Quallification_38:
(Start: 127 @33341 has 245 MA's), (145, 33398), (155, 33431), (158, 33437), (175, 33491), (180, 33503),

Gene: QueenB2_57 Start: 38455, Stop: 38183, Start Num: 87
Candidate Starts for QueenB2_57:
(Start: 87 @38455 has 127 MA's), (Start: 121 @38446 has 15 MA's), (Start: 131 @38434 has 11 MA's), (Start: 132 @38428 has 11 MA's), (170, 38305), (180, 38275),

Gene: QueenBeesly_58 Start: 38424, Stop: 38152, Start Num: 87

Candidate Starts for QueenBeesly_58:
(Start: 87 @38424 has 127 MA's), (Start: 121 @38415 has 15 MA's), (Start: 131 @38403 has 11 MA's), (Start: 132 @38397 has 11 MA's), (170, 38274),

Gene: QuincyRose_64 Start: 43845, Stop: 44087, Start Num: 129
Candidate Starts for QuincyRose_64:
(Start: 129 @43845 has 146 MA's), (155, 43935), (190, 44031), (199, 44055),

Gene: Quokka_56 Start: 37421, Stop: 37149, Start Num: 87
Candidate Starts for Quokka_56:
(Start: 87 @37421 has 127 MA's), (Start: 131 @37400 has 11 MA's), (Start: 132 @37394 has 11 MA's), (170, 37271), (173, 37259),

Gene: Racecar_109 Start: 87140, Stop: 87388, Start Num: 127
Candidate Starts for Racecar_109:
(Start: 127 @87140 has 245 MA's), (Start: 131 @87146 has 11 MA's), (Start: 132 @87152 has 11 MA's),

Gene: Rachaly_57 Start: 38723, Stop: 38451, Start Num: 87
Candidate Starts for Rachaly_57:
(Start: 87 @38723 has 127 MA's), (Start: 132 @38696 has 11 MA's), (170, 38573), (180, 38543),

Gene: Rahalelujah_58 Start: 37998, Stop: 37726, Start Num: 87
Candidate Starts for Rahalelujah_58:
(Start: 87 @37998 has 127 MA's), (Start: 121 @37989 has 15 MA's), (143, 37932), (154, 37896), (170, 37848),

Gene: Rajelicia_62 Start: 42806, Stop: 42531, Start Num: 84
Candidate Starts for Rajelicia_62:
(Start: 83 @42809 has 30 MA's), (Start: 84 @42806 has 118 MA's), (Start: 89 @42794 has 4 MA's), (Start: 132 @42764 has 11 MA's), (146, 42713), (149, 42698), (158, 42677), (168, 42647), (176, 42617),

Gene: Rakim_38 Start: 33241, Stop: 33486, Start Num: 127
Candidate Starts for Rakim_38:
(Start: 127 @33241 has 245 MA's), (145, 33298), (155, 33331), (158, 33337), (175, 33391), (180, 33403),

Gene: Ramen_67 Start: 43469, Stop: 43711, Start Num: 129
Candidate Starts for Ramen_67:
(Start: 129 @43469 has 146 MA's), (155, 43559), (190, 43655), (199, 43679),

Gene: Rando14_62 Start: 40667, Stop: 40915, Start Num: 129
Candidate Starts for Rando14_62:
(Start: 129 @40667 has 146 MA's),

Gene: Rapunzel97_68 Start: 43920, Stop: 44162, Start Num: 129
Candidate Starts for Rapunzel97_68:
(Start: 129 @43920 has 146 MA's), (155, 44010), (190, 44106), (199, 44130),

Gene: Ravana_67 Start: 38767, Stop: 38498, Start Num: 115
Candidate Starts for Ravana_67:
(Start: 115 @38767 has 23 MA's), (180, 38590),

Gene: Raymond7_49 Start: 35961, Stop: 36209, Start Num: 118
Candidate Starts for Raymond7_49:
(Start: 118 @35961 has 37 MA's), (Start: 131 @35973 has 11 MA's), (176, 36123), (178, 36126), (210, 36201),

Gene: ReMo_62 Start: 37440, Stop: 37171, Start Num: 115
Candidate Starts for ReMo_62:
(10, 37884), (11, 37860), (15, 37782), (Start: 115 @37440 has 23 MA's), (180, 37263),

Gene: Rearden_46 Start: 40216, Stop: 40461, Start Num: 127
Candidate Starts for Rearden_46:
(Start: 127 @40216 has 245 MA's), (Start: 132 @40228 has 11 MA's), (171, 40348),

Gene: Red305_31 Start: 28796, Stop: 29050, Start Num: 132
Candidate Starts for Red305_31:
(Start: 127 @28784 has 245 MA's), (Start: 132 @28796 has 11 MA's), (139, 28829),

Gene: Redi_55 Start: 36172, Stop: 36420, Start Num: 118
Candidate Starts for Redi_55:
(Start: 118 @36172 has 37 MA's), (Start: 131 @36184 has 11 MA's), (176, 36334), (178, 36337), (210, 36412),

Gene: Redno2_50 Start: 41183, Stop: 41428, Start Num: 127
Candidate Starts for Redno2_50:
(Start: 127 @41183 has 245 MA's), (146, 41246), (155, 41276), (156, 41279), (178, 41339), (180, 41342), (181, 41345),

Gene: Reedo_32 Start: 23099, Stop: 23341, Start Num: 111
Candidate Starts for Reedo_32:
(16, 22766), (21, 22862), (24, 22871), (32, 22946), (Start: 111 @23099 has 18 MA's),

Gene: Refuge_56 Start: 39539, Stop: 39267, Start Num: 87
Candidate Starts for Refuge_56:
(71, 39569), (Start: 87 @39539 has 127 MA's), (154, 39437), (170, 39389), (175, 39371), (180, 39359),

Gene: ReginaGlobina_107 Start: 86858, Stop: 87121, Start Num: 127
Candidate Starts for ReginaGlobina_107:
(Start: 127 @86858 has 245 MA's), (195, 87047),

Gene: Reindeer_39 Start: 33229, Stop: 33507, Start Num: 110
Candidate Starts for Reindeer_39:
(Start: 110 @33229 has 15 MA's), (Start: 127 @33247 has 245 MA's), (146, 33310), (149, 33325), (174, 33397), (176, 33406), (178, 33409), (181, 33415),

Gene: Remus_64 Start: 37446, Stop: 37177, Start Num: 115
Candidate Starts for Remus_64:
(10, 37890), (11, 37866), (15, 37788), (Start: 115 @37446 has 23 MA's), (180, 37269),

Gene: Reptar3000_67 Start: 41997, Stop: 42260, Start Num: 119
Candidate Starts for Reptar3000_67:
(Start: 119 @41997 has 71 MA's), (155, 42099), (188, 42195), (210, 42249),

Gene: Retro23_59 Start: 38669, Stop: 38397, Start Num: 87
Candidate Starts for Retro23_59:
(Start: 87 @38669 has 127 MA's), (Start: 121 @38660 has 15 MA's), (Start: 131 @38648 has 11 MA's), (Start: 132 @38642 has 11 MA's), (170, 38519), (180, 38489),

Gene: Rey_44 Start: 34155, Stop: 34406, Start Num: 126
Candidate Starts for Rey_44:
(Start: 126 @34155 has 1 MA's), (155, 34248), (172, 34299), (173, 34302), (176, 34314),

Gene: Rhynn_60 Start: 40743, Stop: 40474, Start Num: 83
Candidate Starts for Rhynn_60:
(34, 40845), (35, 40842), (54, 40797), (61, 40779), (Start: 83 @40743 has 30 MA's), (Start: 84 @40740 has 118 MA's), (Start: 89 @40728 has 4 MA's), (Start: 132 @40707 has 11 MA's), (146, 40656), (149, 40641), (158, 40620), (168, 40590), (176, 40560),

Gene: Richo_69 Start: 44123, Stop: 44362, Start Num: 128
Candidate Starts for Richo_69:
(Start: 128 @44123 has 5 MA's), (155, 44213), (167, 44249), (173, 44267), (199, 44330),

Gene: RicoCaldo_9 Start: 6122, Stop: 5766, Start Num: 119
Candidate Starts for RicoCaldo_9:
(Start: 119 @6122 has 71 MA's), (137, 6083), (141, 6068), (173, 5972), (190, 5930), (216, 5864), (220, 5855), (224, 5816),

Gene: RidgeCB_61 Start: 40947, Stop: 40681, Start Num: 82
Candidate Starts for RidgeCB_61:
(Start: 82 @40947 has 6 MA's), (Start: 89 @40935 has 4 MA's), (Start: 132 @40914 has 11 MA's), (146, 40863), (149, 40848), (158, 40827), (168, 40797), (176, 40767),

Gene: Rimmer_36 Start: 32701, Stop: 32946, Start Num: 127
Candidate Starts for Rimmer_36:
(Start: 127 @32701 has 245 MA's), (145, 32758), (155, 32791), (158, 32797), (175, 32851), (180, 32863),

Gene: Ringer_62 Start: 42252, Stop: 42001, Start Num: 99
Candidate Starts for Ringer_62:
(40, 42357), (Start: 99 @42252 has 4 MA's), (146, 42183), (149, 42168), (158, 42147), (168, 42117), (176, 42087), (210, 42012),

Gene: Riparian_40 Start: 35856, Stop: 36101, Start Num: 123
Candidate Starts for Riparian_40:
(95, 35814), (Start: 123 @35856 has 9 MA's), (133, 35877), (137, 35898), (145, 35922), (146, 35925), (182, 36024), (183, 36027), (185, 36030),

Gene: RiverMonster_37 Start: 32890, Stop: 33135, Start Num: 127
Candidate Starts for RiverMonster_37:
(Start: 127 @32890 has 245 MA's), (145, 32947), (155, 32980), (158, 32986), (175, 33040), (180, 33052),

Gene: Roberts_3 Start: 977, Stop: 1246, Start Num: 121
Candidate Starts for Roberts_3:
(Start: 121 @977 has 15 MA's),

Gene: RockScotty_31 Start: 22561, Stop: 22827, Start Num: 116
Candidate Starts for RockScotty_31:
(Start: 116 @22561 has 17 MA's), (Start: 129 @22576 has 146 MA's), (148, 22639), (153, 22657), (192, 22759),

Gene: Rockabye_113 Start: 80343, Stop: 80585, Start Num: 127
Candidate Starts for Rockabye_113:
(93, 80295), (Start: 127 @80343 has 245 MA's), (155, 80433), (178, 80502),

Gene: Rope_40 Start: 36036, Stop: 36281, Start Num: 123
Candidate Starts for Rope_40:
(95, 35994), (Start: 123 @36036 has 9 MA's), (133, 36057), (137, 36078), (145, 36102), (146, 36105), (182, 36204), (183, 36207), (185, 36210),

Gene: Rosalind_62 Start: 37598, Stop: 37329, Start Num: 115
Candidate Starts for Rosalind_62:
(10, 38042), (11, 38018), (15, 37940), (Start: 115 @37598 has 23 MA's), (180, 37421),

Gene: Rosmarinus_66 Start: 43610, Stop: 43852, Start Num: 129
Candidate Starts for Rosmarinus_66:
(Start: 129 @43610 has 146 MA's), (155, 43700), (190, 43796), (199, 43820),

Gene: Rubeelu_53 Start: 35513, Stop: 35761, Start Num: 118
Candidate Starts for Rubeelu_53:
(30, 35339), (66, 35435), (Start: 118 @35513 has 37 MA's), (Start: 131 @35525 has 11 MA's), (155, 35609), (176, 35675), (178, 35678),

Gene: Rubeus_60 Start: 38752, Stop: 38498, Start Num: 89
Candidate Starts for Rubeus_60:
(Start: 82 @38764 has 6 MA's), (Start: 89 @38752 has 4 MA's), (Start: 132 @38731 has 11 MA's), (146, 38680), (149, 38665), (158, 38644), (168, 38614), (176, 38584), (210, 38509),

Gene: Rufus_63 Start: 41448, Stop: 41182, Start Num: 82
Candidate Starts for Rufus_63:
(Start: 82 @41448 has 6 MA's), (Start: 89 @41436 has 4 MA's), (Start: 132 @41415 has 11 MA's), (146, 41364), (149, 41349), (158, 41328), (168, 41298), (176, 41268), (210, 41193),

Gene: Ruotula_64 Start: 42952, Stop: 42695, Start Num: 92
Candidate Starts for Ruotula_64:
(Start: 92 @42952 has 10 MA's), (Start: 108 @42934 has 27 MA's), (Start: 132 @42928 has 11 MA's), (146, 42877), (149, 42862), (158, 42841), (168, 42811), (176, 42781),

Gene: Rutherferd_64 Start: 42559, Stop: 42290, Start Num: 83
Candidate Starts for Rutherferd_64:
(34, 42661), (35, 42658), (54, 42613), (61, 42595), (Start: 83 @42559 has 30 MA's), (Start: 84 @42556 has 118 MA's), (Start: 89 @42544 has 4 MA's), (Start: 132 @42523 has 11 MA's), (146, 42472), (149, 42457), (158, 42436), (168, 42406), (176, 42376),

Gene: RyeScarlet_59 Start: 38297, Stop: 38025, Start Num: 87
Candidate Starts for RyeScarlet_59:
(Start: 87 @38297 has 127 MA's), (Start: 121 @38288 has 15 MA's), (143, 38231), (154, 38195), (167, 38156), (175, 38129), (180, 38117),

Gene: SCentae_76 Start: 28691, Stop: 28957, Start Num: 125
Candidate Starts for SCentae_76:
(Start: 125 @28691 has 4 MA's), (139, 28739), (180, 28859), (200, 28919),

Gene: SJReid_112 Start: 79391, Stop: 79633, Start Num: 127
Candidate Starts for SJReid_112:
(Start: 127 @79391 has 245 MA's), (173, 79535),

Gene: STLscum_70 Start: 43220, Stop: 42969, Start Num: 99
Candidate Starts for STLscum_70:
(40, 43325), (Start: 99 @43220 has 4 MA's), (146, 43151), (149, 43136), (158, 43115), (168, 43085), (176, 43055), (210, 42980),

Gene: Sabourin_31 Start: 22493, Stop: 22759, Start Num: 116
Candidate Starts for Sabourin_31:
(Start: 116 @22493 has 17 MA's), (Start: 124 @22502 has 24 MA's), (Start: 129 @22508 has 146 MA's), (148, 22571),

Gene: Sachima_55 Start: 38207, Stop: 37935, Start Num: 87
Candidate Starts for Sachima_55:
(Start: 87 @38207 has 127 MA's), (Start: 121 @38198 has 15 MA's), (143, 38141), (154, 38105), (167, 38066), (175, 38039), (180, 38027),

Gene: Sagefire_64 Start: 42827, Stop: 42561, Start Num: 84
Candidate Starts for Sagefire_64:
(Start: 83 @42830 has 30 MA's), (Start: 84 @42827 has 118 MA's), (Start: 89 @42815 has 4 MA's), (Start: 132 @42794 has 11 MA's), (146, 42743), (149, 42728), (158, 42707), (168, 42677), (176, 42647),

Gene: Saints25_38 Start: 32793, Stop: 33038, Start Num: 127
Candidate Starts for Saints25_38:
(Start: 127 @32793 has 245 MA's), (145, 32850), (155, 32883), (158, 32889), (175, 32943), (180, 32955),

Gene: Salvatore2000_9 Start: 6219, Stop: 5899, Start Num: 119
Candidate Starts for Salvatore2000_9:
(Start: 119 @6219 has 71 MA's), (137, 6180), (140, 6168), (141, 6165), (199, 6000), (224, 5931),

Gene: Salz_56 Start: 37305, Stop: 37033, Start Num: 87
Candidate Starts for Salz_56:
(Start: 87 @37305 has 127 MA's), (Start: 121 @37296 has 15 MA's), (180, 37125),

Gene: SamScheppers_68 Start: 43849, Stop: 44112, Start Num: 119
Candidate Starts for SamScheppers_68:
(Start: 119 @43849 has 71 MA's), (Start: 131 @43864 has 11 MA's), (155, 43951), (188, 44047), (210, 44101),

Gene: Samty_31 Start: 28787, Stop: 29053, Start Num: 127
Candidate Starts for Samty_31:
(Start: 127 @28787 has 245 MA's), (Start: 132 @28799 has 11 MA's), (139, 28832),

Gene: SamuelLPlaqson_67 Start: 44362, Stop: 44604, Start Num: 129
Candidate Starts for SamuelLPlaqson_67:

(Start: 129 @44362 has 146 MA's), (155, 44452), (190, 44548), (199, 44572),

Gene: Sandaddy_58 Start: 40699, Stop: 40442, Start Num: 92
Candidate Starts for Sandaddy_58:
(Start: 92 @40699 has 10 MA's), (Start: 108 @40681 has 27 MA's), (Start: 132 @40675 has 11 MA's), (146, 40624), (149, 40609), (158, 40588), (168, 40558), (176, 40528), (210, 40453),

Gene: Sanya_57 Start: 41974, Stop: 41741, Start Num: 132
Candidate Starts for Sanya_57:
(Start: 82 @42007 has 6 MA's), (Start: 89 @41995 has 4 MA's), (Start: 132 @41974 has 11 MA's), (146, 41923), (149, 41908), (158, 41887), (168, 41857), (176, 41827), (210, 41752),

Gene: SarFire_61 Start: 41167, Stop: 40898, Start Num: 83
Candidate Starts for SarFire_61:
(Start: 83 @41167 has 30 MA's), (Start: 84 @41164 has 118 MA's), (Start: 89 @41152 has 4 MA's), (Start: 108 @41137 has 27 MA's), (Start: 132 @41131 has 11 MA's), (146, 41080), (149, 41065), (158, 41044), (168, 41014), (176, 40984), (210, 40909),

Gene: Saskia_58 Start: 37333, Stop: 37061, Start Num: 87
Candidate Starts for Saskia_58:
(Start: 87 @37333 has 127 MA's), (Start: 121 @37324 has 15 MA's), (180, 37153),

Gene: Sassay_36 Start: 32639, Stop: 32884, Start Num: 127
Candidate Starts for Sassay_36:
(Start: 127 @32639 has 245 MA's), (145, 32696), (155, 32729), (158, 32735), (175, 32789), (180, 32801),

Gene: Scarlett_71 Start: 44528, Stop: 44758, Start Num: 129
Candidate Starts for Scarlett_71:
(Start: 129 @44528 has 146 MA's), (164, 44645), (174, 44663),

Gene: Schaffner_33 Start: 25723, Stop: 25989, Start Num: 108
Candidate Starts for Schaffner_33:
(18, 25465), (25, 25501), (Start: 108 @25723 has 27 MA's), (178, 25906),

Gene: Schatzie_49 Start: 43187, Stop: 43432, Start Num: 127
Candidate Starts for Schatzie_49:
(Start: 127 @43187 has 245 MA's), (146, 43250), (155, 43280), (156, 43283), (178, 43343), (180, 43346), (181, 43349),

Gene: Scherzo_58 Start: 38511, Stop: 38239, Start Num: 87
Candidate Starts for Scherzo_58:
(Start: 87 @38511 has 127 MA's), (Start: 121 @38502 has 15 MA's), (143, 38445), (154, 38409), (167, 38370), (175, 38343), (180, 38331),

Gene: Schnauzer_51 Start: 34925, Stop: 35173, Start Num: 118
Candidate Starts for Schnauzer_51:
(12, 34511), (26, 34718), (30, 34751), (66, 34847), (Start: 118 @34925 has 37 MA's), (Start: 131 @34937 has 11 MA's), (Start: 132 @34943 has 11 MA's), (155, 35021), (176, 35087), (178, 35090),

Gene: ScoobyDoobyDoo_73 Start: 26882, Stop: 27106, Start Num: 129
Candidate Starts for ScoobyDoobyDoo_73:

(Start: 129 @26882 has 146 MA's), (144, 26933), (167, 27005), (173, 27023), (175, 27029), (176, 27035), (193, 27071),

Gene: Scowl_63 Start: 41099, Stop: 40830, Start Num: 83
Candidate Starts for Scowl_63:
(Start: 83 @41099 has 30 MA's), (Start: 84 @41096 has 118 MA's), (Start: 89 @41084 has 4 MA's), (Start: 132 @41060 has 11 MA's), (145, 41015), (149, 40997), (168, 40946), (210, 40841),

Gene: SemperFi_59 Start: 38692, Stop: 38420, Start Num: 87
Candidate Starts for SemperFi_59:
(Start: 87 @38692 has 127 MA's), (Start: 121 @38683 has 15 MA's), (Start: 131 @38671 has 11 MA's), (Start: 132 @38665 has 11 MA's), (170, 38542),

Gene: Send513_40 Start: 36392, Stop: 36637, Start Num: 123
Candidate Starts for Send513_40:
(95, 36350), (Start: 123 @36392 has 9 MA's), (133, 36413), (137, 36434), (146, 36461), (182, 36560), (183, 36563), (185, 36566), (202, 36617),

Gene: Serenabean_52 Start: 34263, Stop: 34496, Start Num: 124
Candidate Starts for Serenabean_52:
(Start: 124 @34263 has 24 MA's), (146, 34326), (168, 34398),

Gene: Serenity_58 Start: 37628, Stop: 37356, Start Num: 87
Candidate Starts for Serenity_58:
(49, 37700), (55, 37688), (Start: 87 @37628 has 127 MA's), (Start: 131 @37607 has 11 MA's), (Start: 132 @37601 has 11 MA's), (170, 37478), (173, 37466),

Gene: Shadow1_71 Start: 43904, Stop: 44143, Start Num: 129
Candidate Starts for Shadow1_71:
(73, 43820), (Start: 129 @43904 has 146 MA's), (Start: 132 @43913 has 11 MA's), (155, 43994), (173, 44048), (178, 44063),

Gene: ShakeItOph_39 Start: 26463, Stop: 26750, Start Num: 119
Candidate Starts for ShakeItOph_39:
(Start: 119 @26463 has 71 MA's), (180, 26655),

Gene: Sham4_57 Start: 37333, Stop: 37061, Start Num: 87
Candidate Starts for Sham4_57:
(Start: 87 @37333 has 127 MA's), (Start: 121 @37324 has 15 MA's), (180, 37153),

Gene: ShamWow_37 Start: 33135, Stop: 33380, Start Num: 127
Candidate Starts for ShamWow_37:
(Start: 127 @33135 has 245 MA's), (145, 33192), (155, 33225), (158, 33231), (175, 33285), (180, 33297),

Gene: Shaobing_69 Start: 44159, Stop: 44398, Start Num: 128
Candidate Starts for Shaobing_69:
(Start: 128 @44159 has 5 MA's), (155, 44249), (167, 44285), (173, 44303), (199, 44366),

Gene: ShayRa_64 Start: 37627, Stop: 37358, Start Num: 115
Candidate Starts for ShayRa_64:
(10, 38071), (15, 37969), (Start: 115 @37627 has 23 MA's), (180, 37450),

Gene: Shayna_36 Start: 24764, Stop: 24994, Start Num: 124
Candidate Starts for Shayna_36:
(Start: 124 @24764 has 24 MA's), (141, 24809),

Gene: SheaKeira_56 Start: 37935, Stop: 37663, Start Num: 87
Candidate Starts for SheaKeira_56:
(Start: 87 @37935 has 127 MA's), (Start: 121 @37926 has 15 MA's), (Start: 131 @37914 has 11 MA's), (143, 37869), (154, 37833), (163, 37812), (170, 37785), (172, 37776), (176, 37761), (197, 37710), (203, 37689),

Gene: ShedlockHolmes_69 Start: 44136, Stop: 44378, Start Num: 127
Candidate Starts for ShedlockHolmes_69:
(Start: 127 @44136 has 245 MA's), (137, 44169), (155, 44226), (174, 44286), (178, 44298),

Gene: ShiaSurprise_67 Start: 43819, Stop: 44061, Start Num: 129
Candidate Starts for ShiaSurprise_67:
(Start: 129 @43819 has 146 MA's), (155, 43909), (190, 44005), (199, 44029),

Gene: ShortQueendom_54 Start: 38806, Stop: 38531, Start Num: 84
Candidate Starts for ShortQueendom_54:
(Start: 83 @38809 has 30 MA's), (Start: 84 @38806 has 118 MA's), (Start: 89 @38794 has 4 MA's), (146, 38713), (149, 38698), (158, 38677), (168, 38647), (176, 38617),

Gene: ShrimpFriedEgg_55 Start: 36172, Stop: 36420, Start Num: 118
Candidate Starts for ShrimpFriedEgg_55:
(Start: 118 @36172 has 37 MA's), (Start: 131 @36184 has 11 MA's), (176, 36334), (178, 36337), (210, 36412),

Gene: Shweta_51 Start: 35498, Stop: 35743, Start Num: 113
Candidate Starts for Shweta_51:
(Start: 113 @35498 has 3 MA's), (Start: 131 @35510 has 11 MA's), (Start: 132 @35516 has 11 MA's), (151, 35582), (169, 35627), (178, 35657),

Gene: ShyRosie_9 Start: 6089, Stop: 5751, Start Num: 119
Candidate Starts for ShyRosie_9:
(50, 6161), (Start: 119 @6089 has 71 MA's), (137, 6050), (162, 5978), (173, 5939), (225, 5798),

Gene: Silvafighter_51 Start: 34898, Stop: 35146, Start Num: 118
Candidate Starts for Silvafighter_51:
(12, 34484), (26, 34691), (30, 34724), (66, 34820), (Start: 118 @34898 has 37 MA's), (Start: 131 @34910 has 11 MA's), (Start: 132 @34916 has 11 MA's), (155, 34994), (176, 35060), (178, 35063),

Gene: Simpliphy_38 Start: 32880, Stop: 33125, Start Num: 127
Candidate Starts for Simpliphy_38:
(Start: 127 @32880 has 245 MA's), (145, 32937), (155, 32970), (158, 32976), (175, 33030), (180, 33042),

Gene: Simpson_35 Start: 24755, Stop: 25021, Start Num: 108
Candidate Starts for Simpson_35:
(18, 24497), (Start: 108 @24755 has 27 MA's), (178, 24938),

Gene: SirDuracell_36 Start: 31800, Stop: 32045, Start Num: 127
Candidate Starts for SirDuracell_36:

(Start: 127 @31800 has 245 MA's), (145, 31857), (155, 31890), (158, 31896), (173, 31944), (175, 31950), (180, 31962),

Gene: SirPhilip_66 Start: 44298, Stop: 44537, Start Num: 129
Candidate Starts for SirPhilip_66:
(Start: 129 @44298 has 146 MA's), (155, 44388), (167, 44424), (173, 44442), (176, 44454),

Gene: Skelbel_35 Start: 26608, Stop: 26865, Start Num: 124
Candidate Starts for Skelbel_35:
(18, 26371), (19, 26380), (Start: 124 @26608 has 24 MA's), (140, 26656), (180, 26773),

Gene: Skinny_40 Start: 33191, Stop: 33469, Start Num: 110
Candidate Starts for Skinny_40:
(46, 33080), (Start: 110 @33191 has 15 MA's), (Start: 127 @33209 has 245 MA's), (146, 33272), (174, 33359), (176, 33368), (181, 33377),

Gene: Skog_140 Start: 57999, Stop: 58271, Start Num: 125
Candidate Starts for Skog_140:
(Start: 125 @57999 has 4 MA's), (139, 58047), (149, 58080), (180, 58167),

Gene: Slagathor_64 Start: 43192, Stop: 42926, Start Num: 84
Candidate Starts for Slagathor_64:
(Start: 83 @43195 has 30 MA's), (Start: 84 @43192 has 118 MA's), (Start: 89 @43180 has 4 MA's), (Start: 108 @43165 has 27 MA's), (Start: 132 @43159 has 11 MA's), (146, 43108), (149, 43093), (158, 43072), (168, 43042), (176, 43012),

Gene: Slarp_70 Start: 43377, Stop: 43640, Start Num: 119
Candidate Starts for Slarp_70:
(Start: 119 @43377 has 71 MA's), (Start: 131 @43392 has 11 MA's), (155, 43479), (188, 43575), (210, 43629),

Gene: SlimJimmy_38 Start: 32763, Stop: 33023, Start Num: 127
Candidate Starts for SlimJimmy_38:
(46, 32634), (Start: 110 @32745 has 15 MA's), (Start: 127 @32763 has 245 MA's), (146, 32826), (174, 32913), (176, 32922), (181, 32931),

Gene: Slimphazie_67 Start: 43920, Stop: 44162, Start Num: 129
Candidate Starts for Slimphazie_67:
(Start: 129 @43920 has 146 MA's), (155, 44010), (190, 44106), (199, 44130),

Gene: Smairt_64 Start: 43635, Stop: 43369, Start Num: 84
Candidate Starts for Smairt_64:
(Start: 83 @43638 has 30 MA's), (Start: 84 @43635 has 118 MA's), (Start: 89 @43623 has 4 MA's), (Start: 132 @43602 has 11 MA's), (146, 43551), (149, 43536), (158, 43515), (168, 43485), (176, 43455),

Gene: Smeagan_61 Start: 38985, Stop: 38713, Start Num: 87
Candidate Starts for Smeagan_61:
(Start: 87 @38985 has 127 MA's), (Start: 121 @38976 has 15 MA's), (Start: 131 @38964 has 11 MA's), (Start: 132 @38958 has 11 MA's), (170, 38835),

Gene: Smeagol_64 Start: 43015, Stop: 42749, Start Num: 84
Candidate Starts for Smeagol_64:

(Start: 84 @43015 has 118 MA's), (Start: 89 @43003 has 4 MA's), (Start: 132 @42982 has 11 MA's), (146, 42931), (149, 42916), (158, 42895), (168, 42865), (176, 42835),

Gene: Smoothie_126 Start: 71628, Stop: 71921, Start Num: 111
Candidate Starts for Smoothie_126:
(Start: 111 @71628 has 18 MA's), (137, 71676), (176, 71805),

Gene: Smurph_50 Start: 34925, Stop: 35173, Start Num: 118
Candidate Starts for Smurph_50:
(12, 34511), (26, 34718), (30, 34751), (66, 34847), (Start: 118 @34925 has 37 MA's), (Start: 131 @34937 has 11 MA's), (Start: 132 @34943 has 11 MA's), (155, 35021), (176, 35087), (178, 35090),

Gene: SnapTap_58 Start: 38503, Stop: 38231, Start Num: 87
Candidate Starts for SnapTap_58:
(Start: 87 @38503 has 127 MA's), (Start: 121 @38494 has 15 MA's), (Start: 131 @38482 has 11 MA's), (Start: 132 @38476 has 11 MA's), (170, 38353),

Gene: Snape_57 Start: 37325, Stop: 37053, Start Num: 87
Candidate Starts for Snape_57:
(Start: 87 @37325 has 127 MA's), (Start: 121 @37316 has 15 MA's), (180, 37145),

Gene: Snazzy_60 Start: 40262, Stop: 39987, Start Num: 84
Candidate Starts for Snazzy_60:
(Start: 83 @40265 has 30 MA's), (Start: 84 @40262 has 118 MA's), (Start: 89 @40250 has 4 MA's), (146, 40169), (149, 40154), (158, 40133), (168, 40103), (176, 40073),

Gene: Snek_33 Start: 23631, Stop: 23897, Start Num: 90
Candidate Starts for Snek_33:
(21, 23421), (24, 23430), (Start: 90 @23631 has 2 MA's), (178, 23814),

Gene: Snekmaggedon_49 Start: 34464, Stop: 34712, Start Num: 118
Candidate Starts for Snekmaggedon_49:
(Start: 118 @34464 has 37 MA's), (Start: 131 @34476 has 11 MA's), (176, 34626), (178, 34629), (210, 34704),

Gene: Snenia_31 Start: 28785, Stop: 29051, Start Num: 127
Candidate Starts for Snenia_31:
(Start: 127 @28785 has 245 MA's), (Start: 132 @28797 has 11 MA's), (139, 28830),

Gene: SoSeph_61 Start: 42799, Stop: 43047, Start Num: 129
Candidate Starts for SoSeph_61:
(Start: 129 @42799 has 146 MA's), (149, 42874), (174, 42946), (184, 42970),

Gene: SoilSleuth_9 Start: 6089, Stop: 5751, Start Num: 119
Candidate Starts for SoilSleuth_9:
(50, 6161), (57, 6146), (Start: 119 @6089 has 71 MA's), (137, 6050), (162, 5978), (173, 5939), (225, 5798),

Gene: Solon_61 Start: 40838, Stop: 40563, Start Num: 84
Candidate Starts for Solon_61:
(Start: 83 @40841 has 30 MA's), (Start: 84 @40838 has 118 MA's), (Start: 89 @40826 has 4 MA's), (Start: 132 @40796 has 11 MA's), (146, 40745), (149, 40730), (158, 40709), (168, 40679), (176, 40649), (210, 40574),

Gene: Sooty_31 Start: 22496, Stop: 22762, Start Num: 116
Candidate Starts for Sooty_31:
(Start: 116 @22496 has 17 MA's), (Start: 124 @22505 has 24 MA's), (Start: 129 @22511 has 146 MA's), (148, 22574),

Gene: SophKB_37 Start: 33134, Stop: 33379, Start Num: 127
Candidate Starts for SophKB_37:
(Start: 127 @33134 has 245 MA's), (145, 33191), (155, 33224), (158, 33230), (175, 33284), (180, 33296),

Gene: Sorpresa_59 Start: 40701, Stop: 40444, Start Num: 92
Candidate Starts for Sorpresa_59:
(Start: 92 @40701 has 10 MA's), (Start: 108 @40683 has 27 MA's), (Start: 132 @40677 has 11 MA's), (146, 40626), (149, 40611), (158, 40590), (168, 40560), (176, 40530), (210, 40455),

Gene: Sorvannah_9 Start: 6219, Stop: 5899, Start Num: 119
Candidate Starts for Sorvannah_9:
(Start: 119 @6219 has 71 MA's), (137, 6180), (140, 6168), (141, 6165), (199, 6000), (224, 5931),

Gene: Sotrice96_37 Start: 33089, Stop: 33334, Start Num: 127
Candidate Starts for Sotrice96_37:
(Start: 127 @33089 has 245 MA's), (145, 33146), (155, 33179), (158, 33185), (175, 33239), (180, 33251),

Gene: Soups_64 Start: 37890, Stop: 37621, Start Num: 115
Candidate Starts for Soups_64:
(10, 38334), (15, 38232), (Start: 115 @37890 has 23 MA's), (180, 37713),

Gene: SpecialK_31 Start: 22493, Stop: 22759, Start Num: 116
Candidate Starts for SpecialK_31:
(Start: 116 @22493 has 17 MA's), (Start: 129 @22508 has 146 MA's), (148, 22571), (192, 22691),

Gene: SpeedDemon_860 Start: 59302, Stop: 59036, Start Num: 111
Candidate Starts for SpeedDemon_860:
(Start: 111 @59302 has 18 MA's), (136, 59254),

Gene: SpikeBT_60 Start: 40904, Stop: 40638, Start Num: 84
Candidate Starts for SpikeBT_60:
(Start: 83 @40907 has 30 MA's), (Start: 84 @40904 has 118 MA's), (Start: 89 @40892 has 4 MA's), (Start: 132 @40871 has 11 MA's), (146, 40820), (149, 40805), (158, 40784), (168, 40754), (176, 40724), (210, 40649),

Gene: Spinach_55 Start: 36172, Stop: 36420, Start Num: 118
Candidate Starts for Spinach_55:
(Start: 118 @36172 has 37 MA's), (Start: 131 @36184 has 11 MA's), (176, 36334), (178, 36337), (210, 36412),

Gene: Splinter_63 Start: 40094, Stop: 40318, Start Num: 131
Candidate Starts for Splinter_63:
(Start: 131 @40094 has 11 MA's), (140, 40136), (155, 40181), (160, 40190), (175, 40241), (178, 40250),

Gene: Spock_66 Start: 43623, Stop: 43865, Start Num: 129
Candidate Starts for Spock_66:
(Start: 129 @43623 has 146 MA's), (155, 43713), (190, 43809), (199, 43833),

Gene: SpongeBob_49 Start: 34464, Stop: 34712, Start Num: 118
Candidate Starts for SpongeBob_49:
(Start: 118 @34464 has 37 MA's), (Start: 131 @34476 has 11 MA's), (176, 34626), (178, 34629), (210, 34704),

Gene: Spouty_58 Start: 38291, Stop: 38019, Start Num: 87
Candidate Starts for Spouty_58:
(Start: 87 @38291 has 127 MA's), (Start: 121 @38282 has 15 MA's), (143, 38225), (154, 38189), (167, 38150), (175, 38123), (180, 38111),

Gene: Squee_63 Start: 41158, Stop: 40892, Start Num: 84
Candidate Starts for Squee_63:
(Start: 83 @41161 has 30 MA's), (Start: 84 @41158 has 118 MA's), (Start: 89 @41146 has 4 MA's), (Start: 132 @41125 has 11 MA's), (149, 41059), (158, 41038), (164, 41017), (168, 41008), (176, 40978), (210, 40903),

Gene: StagePhright_9 Start: 6092, Stop: 5736, Start Num: 119
Candidate Starts for StagePhright_9:
(Start: 119 @6092 has 71 MA's), (137, 6053), (141, 6038), (171, 5951), (173, 5942), (216, 5834), (220, 5825), (224, 5786),

Gene: Stank_40 Start: 33641, Stop: 33886, Start Num: 127
Candidate Starts for Stank_40:
(Start: 127 @33641 has 245 MA's), (145, 33698), (155, 33731), (158, 33737), (175, 33791), (180, 33803),

Gene: StarStuff_60 Start: 38271, Stop: 37999, Start Num: 87
Candidate Starts for StarStuff_60:
(Start: 87 @38271 has 127 MA's), (Start: 121 @38262 has 15 MA's), (154, 38169), (180, 38091), (199, 38037),

Gene: Stark_38 Start: 32893, Stop: 33138, Start Num: 127
Candidate Starts for Stark_38:
(Start: 127 @32893 has 245 MA's), (145, 32950), (155, 32983), (158, 32989), (175, 33043), (180, 33055),

Gene: Steamy_54 Start: 38003, Stop: 37731, Start Num: 87
Candidate Starts for Steamy_54:
(23, 38204), (Start: 87 @38003 has 127 MA's), (Start: 121 @37994 has 15 MA's), (Start: 132 @37976 has 11 MA's), (141, 37940), (154, 37901), (170, 37853), (175, 37835), (186, 37814), (187, 37811),

Gene: StellaBean_37 Start: 33134, Stop: 33379, Start Num: 127
Candidate Starts for StellaBean_37:
(Start: 127 @33134 has 245 MA's), (145, 33191), (155, 33224), (158, 33230), (175, 33284), (180, 33296),

Gene: Stellammi_39 Start: 29438, Stop: 29665, Start Num: 130
Candidate Starts for Stellammi_39:

(48, 29303), (67, 29342), (78, 29360), (Start: 89 @29381 has 4 MA's), (105, 29405), (112, 29417), (130, 29438), (146, 29495), (158, 29531), (176, 29591),

Gene: Stewart25555_99 Start: 83664, Stop: 83927, Start Num: 127
Candidate Starts for Stewart25555_99:
(Start: 127 @83664 has 245 MA's), (146, 83724), (195, 83853), (207, 83886),

Gene: StewieG_57 Start: 37645, Stop: 37379, Start Num: 84
Candidate Starts for StewieG_57:
(Start: 83 @37648 has 30 MA's), (Start: 84 @37645 has 118 MA's), (Start: 89 @37633 has 4 MA's), (Start: 132 @37612 has 11 MA's), (146, 37561), (149, 37546), (158, 37525), (168, 37495),

Gene: Stinson_68 Start: 44248, Stop: 44490, Start Num: 129
Candidate Starts for Stinson_68:
(Start: 129 @44248 has 146 MA's), (155, 44338), (190, 44434), (199, 44458),

Gene: StolenFromERC_39 Start: 33125, Stop: 33370, Start Num: 127
Candidate Starts for StolenFromERC_39:
(Start: 127 @33125 has 245 MA's), (145, 33182), (155, 33215), (158, 33221), (175, 33275), (180, 33287),

Gene: StormChicken_37 Start: 33309, Stop: 33554, Start Num: 127
Candidate Starts for StormChicken_37:
(Start: 127 @33309 has 245 MA's), (145, 33366), (155, 33399), (158, 33405), (175, 33459), (180, 33471),

Gene: Stormbreaker_9 Start: 6347, Stop: 6027, Start Num: 119
Candidate Starts for Stormbreaker_9:
(43, 6467), (59, 6437), (Start: 119 @6347 has 71 MA's), (140, 6296), (146, 6281), (163, 6233), (219, 6092),

Gene: Strobilo_70 Start: 46068, Stop: 46313, Start Num: 129
Candidate Starts for Strobilo_70:
(86, 46005), (Start: 129 @46068 has 146 MA's), (155, 46158), (178, 46227),

Gene: StrongArm_60 Start: 42040, Stop: 41774, Start Num: 84
Candidate Starts for StrongArm_60:
(Start: 83 @42043 has 30 MA's), (Start: 84 @42040 has 118 MA's), (Start: 89 @42028 has 4 MA's), (Start: 132 @42004 has 11 MA's), (145, 41959), (149, 41941), (168, 41890), (210, 41785),

Gene: Strosahl_64 Start: 37446, Stop: 37177, Start Num: 115
Candidate Starts for Strosahl_64:
(10, 37890), (11, 37866), (15, 37788), (Start: 115 @37446 has 23 MA's), (180, 37269),

Gene: Stuck_67 Start: 45156, Stop: 45389, Start Num: 131
Candidate Starts for Stuck_67:
(Start: 113 @45144 has 3 MA's), (Start: 131 @45156 has 11 MA's), (Start: 132 @45162 has 11 MA's), (151, 45228), (169, 45273), (178, 45303),

Gene: Studio_2 Start: 600, Stop: 863, Start Num: 121
Candidate Starts for Studio_2:
(Start: 121 @600 has 15 MA's),

Gene: Stuu_31 Start: 22587, Stop: 22853, Start Num: 116
Candidate Starts for Stuu_31:
(Start: 116 @22587 has 17 MA's), (Start: 129 @22602 has 146 MA's), (148, 22665), (192, 22785),

Gene: SuMoo_44 Start: 27844, Stop: 28113, Start Num: 121
Candidate Starts for SuMoo_44:
(33, 27691), (44, 27730), (45, 27733), (Start: 121 @27844 has 15 MA's), (140, 27898), (151, 27931), (175, 28012), (195, 28057),

Gene: Subaru_35 Start: 26623, Stop: 26880, Start Num: 124
Candidate Starts for Subaru_35:
(18, 26386), (19, 26395), (Start: 124 @26623 has 24 MA's), (140, 26671), (180, 26788),

Gene: Sue2_34 Start: 25374, Stop: 25640, Start Num: 108
Candidate Starts for Sue2_34:
(21, 25137), (24, 25146), (32, 25221), (Start: 108 @25374 has 27 MA's), (178, 25557), (212, 25614),

Gene: Sulley_66 Start: 43683, Stop: 43925, Start Num: 129
Candidate Starts for Sulley_66:
(Start: 129 @43683 has 146 MA's), (155, 43773), (190, 43869), (199, 43893),

Gene: Sumter_58 Start: 41278, Stop: 41012, Start Num: 84
Candidate Starts for Sumter_58:
(Start: 83 @41281 has 30 MA's), (Start: 84 @41278 has 118 MA's), (Start: 89 @41266 has 4 MA's), (Start: 108 @41251 has 27 MA's), (Start: 132 @41245 has 11 MA's), (146, 41194), (149, 41179), (158, 41158), (168, 41128), (176, 41098), (210, 41023),

Gene: Sunflower1121_72 Start: 44050, Stop: 44289, Start Num: 129
Candidate Starts for Sunflower1121_72:
(73, 43966), (Start: 129 @44050 has 146 MA's), (Start: 132 @44059 has 11 MA's), (155, 44140), (173, 44194), (178, 44209),

Gene: SunnyD_36 Start: 24766, Stop: 24996, Start Num: 124
Candidate Starts for SunnyD_36:
(Start: 124 @24766 has 24 MA's), (141, 24811),

Gene: SunnyJune_47 Start: 33718, Stop: 34011, Start Num: 110
Candidate Starts for SunnyJune_47:
(75, 33658), (Start: 110 @33718 has 15 MA's), (137, 33769), (141, 33784), (157, 33832), (173, 33886), (176, 33898), (181, 33907), (217, 33991),

Gene: Sunshine924_67 Start: 41911, Stop: 41645, Start Num: 84
Candidate Starts for Sunshine924_67:
(Start: 83 @41914 has 30 MA's), (Start: 84 @41911 has 118 MA's), (Start: 89 @41899 has 4 MA's), (Start: 132 @41878 has 11 MA's), (149, 41812), (158, 41791), (168, 41761), (176, 41731), (210, 41656),

Gene: SuperHands_42 Start: 28766, Stop: 29023, Start Num: 121
Candidate Starts for SuperHands_42:
(Start: 121 @28766 has 15 MA's), (140, 28820), (181, 28946), (189, 28958), (194, 28970),

Gene: Superchunk_56 Start: 36944, Stop: 36672, Start Num: 87
Candidate Starts for Superchunk_56:

(Start: 87 @36944 has 127 MA's), (Start: 132 @36917 has 11 MA's), (170, 36794), (173, 36782),

Gene: Superphikiman_51 Start: 40814, Stop: 41053, Start Num: 132
Candidate Starts for Superphikiman_51:
(Start: 132 @40814 has 11 MA's), (138, 40841), (155, 40895), (156, 40898), (176, 40955), (191, 40991),

Gene: Sweetclover_51 Start: 33033, Stop: 33266, Start Num: 124
Candidate Starts for Sweetclover_51:
(58, 32928), (Start: 124 @33033 has 24 MA's), (146, 33096), (168, 33168),

Gene: SweetiePie_58 Start: 38635, Stop: 38363, Start Num: 87
Candidate Starts for SweetiePie_58:
(Start: 87 @38635 has 127 MA's), (Start: 121 @38626 has 15 MA's), (Start: 131 @38614 has 11 MA's), (Start: 132 @38608 has 11 MA's),

Gene: SwirlSquare_61 Start: 37866, Stop: 37594, Start Num: 87
Candidate Starts for SwirlSquare_61:
(Start: 87 @37866 has 127 MA's), (Start: 132 @37839 has 11 MA's), (146, 37791), (164, 37734), (180, 37686), (188, 37668),

Gene: SwissCheezer_9 Start: 6356, Stop: 6036, Start Num: 119
Candidate Starts for SwissCheezer_9:
(59, 6446), (Start: 119 @6356 has 71 MA's), (140, 6305), (146, 6290), (163, 6242), (219, 6101),

Gene: Switzerland_63 Start: 37766, Stop: 37497, Start Num: 115
Candidate Starts for Switzerland_63:
(10, 38210), (15, 38108), (Start: 115 @37766 has 23 MA's), (180, 37589),

Gene: Swole_63 Start: 41087, Stop: 40812, Start Num: 84
Candidate Starts for Swole_63:
(Start: 83 @41090 has 30 MA's), (Start: 84 @41087 has 118 MA's), (Start: 89 @41075 has 4 MA's), (Start: 132 @41045 has 11 MA's), (146, 40994), (149, 40979), (158, 40958), (168, 40928), (176, 40898),

Gene: Syra333_70 Start: 43764, Stop: 44003, Start Num: 129
Candidate Starts for Syra333_70:
(73, 43680), (Start: 129 @43764 has 146 MA's), (Start: 132 @43773 has 11 MA's), (155, 43854), (173, 43908), (178, 43923),

Gene: TBond007_64 Start: 43622, Stop: 43864, Start Num: 127
Candidate Starts for TBond007_64:
(Start: 127 @43622 has 245 MA's), (137, 43655), (155, 43712), (164, 43739), (174, 43772), (178, 43784),

Gene: TBrady12_39 Start: 33125, Stop: 33370, Start Num: 127
Candidate Starts for TBrady12_39:
(Start: 127 @33125 has 245 MA's), (145, 33182), (155, 33215), (158, 33221), (175, 33275), (180, 33287),

Gene: TClif_68 Start: 43725, Stop: 43964, Start Num: 129
Candidate Starts for TClif_68:

(Start: 129 @43725 has 146 MA's), (Start: 132 @43734 has 11 MA's), (155, 43815), (178, 43884), (199, 43932),

Gene: TM4_67 Start: 40730, Stop: 40975, Start Num: 129
Candidate Starts for TM4_67:
(5, 39989), (Start: 87 @40673 has 127 MA's), (91, 40679), (Start: 129 @40730 has 146 MA's), (155, 40820), (178, 40889), (190, 40913), (213, 40967),

Gene: TMaxx_3 Start: 937, Stop: 1194, Start Num: 127
Candidate Starts for TMaxx_3:
(62, 838), (68, 850), (Start: 127 @937 has 245 MA's),

Gene: TZGordon_64 Start: 38982, Stop: 39206, Start Num: 131
Candidate Starts for TZGordon_64:
(Start: 131 @38982 has 11 MA's), (140, 39024), (155, 39069), (160, 39078), (175, 39129), (178, 39138),

Gene: Tachez_66 Start: 43467, Stop: 43709, Start Num: 129
Candidate Starts for Tachez_66:
(Start: 129 @43467 has 146 MA's), (155, 43557), (190, 43653), (199, 43677),

Gene: Tailonex_48 Start: 37705, Stop: 37427, Start Num: 110
Candidate Starts for Tailonex_48:
(Start: 110 @37705 has 15 MA's), (145, 37630), (188, 37504),

Gene: TaiwanKao_69 Start: 44172, Stop: 44417, Start Num: 129
Candidate Starts for TaiwanKao_69:
(Start: 129 @44172 has 146 MA's), (155, 44262), (190, 44358), (211, 44409),

Gene: Talia1610_108 Start: 86506, Stop: 86754, Start Num: 127
Candidate Starts for Talia1610_108:
(Start: 127 @86506 has 245 MA's), (Start: 131 @86512 has 11 MA's), (Start: 132 @86518 has 11 MA's),

Gene: Tallboi_33 Start: 25971, Stop: 26237, Start Num: 104
Candidate Starts for Tallboi_33:
(18, 25716), (25, 25752), (Start: 104 @25971 has 4 MA's), (178, 26154),

Gene: Tapioca_52 Start: 34891, Stop: 35139, Start Num: 118
Candidate Starts for Tapioca_52:
(Start: 118 @34891 has 37 MA's), (Start: 131 @34903 has 11 MA's), (176, 35053), (178, 35056), (210, 35131),

Gene: Taquito_69 Start: 43582, Stop: 43845, Start Num: 119
Candidate Starts for Taquito_69:
(Start: 119 @43582 has 71 MA's), (Start: 131 @43597 has 11 MA's), (155, 43684), (188, 43780), (210, 43834),

Gene: Target_64 Start: 41123, Stop: 40848, Start Num: 84
Candidate Starts for Target_64:
(Start: 83 @41126 has 30 MA's), (Start: 84 @41123 has 118 MA's), (Start: 89 @41111 has 4 MA's), (Start: 132 @41081 has 11 MA's), (146, 41030), (149, 41015), (158, 40994), (168, 40964), (176, 40934), (210, 40859),

Gene: Tarkin_39 Start: 34124, Stop: 34369, Start Num: 127
Candidate Starts for Tarkin_39:
(Start: 127 @34124 has 245 MA's), (145, 34181), (155, 34214), (158, 34220), (175, 34274), (180, 34286),

Gene: Tbone_32 Start: 24550, Stop: 24816, Start Num: 108
Candidate Starts for Tbone_32:
(18, 24292), (25, 24328), (Start: 108 @24550 has 27 MA's), (178, 24733),

Gene: Teagster_37 Start: 25597, Stop: 25827, Start Num: 124
Candidate Starts for Teagster_37:
(Start: 124 @25597 has 24 MA's), (141, 25642),

Gene: TeamEdward_37 Start: 33306, Stop: 33551, Start Num: 127
Candidate Starts for TeamEdward_37:
(Start: 127 @33306 has 245 MA's), (145, 33363), (155, 33396), (158, 33402), (175, 33456), (180, 33468),

Gene: TeardropMSU_36 Start: 33035, Stop: 33280, Start Num: 127
Candidate Starts for TeardropMSU_36:
(Start: 127 @33035 has 245 MA's), (145, 33092), (155, 33125), (158, 33131), (175, 33185), (180, 33197),

Gene: Teaspoon_38 Start: 33088, Stop: 33333, Start Num: 127
Candidate Starts for Teaspoon_38:
(Start: 127 @33088 has 245 MA's), (145, 33145), (155, 33178), (158, 33184), (175, 33238), (180, 33250),

Gene: Teodoridan_60 Start: 40295, Stop: 40029, Start Num: 84
Candidate Starts for Teodoridan_60:
(Start: 84 @40295 has 118 MA's), (Start: 89 @40283 has 4 MA's), (Start: 132 @40262 has 11 MA's), (146, 40211), (149, 40196), (158, 40175), (168, 40145), (176, 40115),

Gene: Terminus_37 Start: 33222, Stop: 33467, Start Num: 127
Candidate Starts for Terminus_37:
(Start: 127 @33222 has 245 MA's), (145, 33279), (155, 33312), (158, 33318), (175, 33372), (180, 33384),

Gene: Tessdabest_51 Start: 34922, Stop: 35170, Start Num: 118
Candidate Starts for Tessdabest_51:
(12, 34508), (26, 34715), (30, 34748), (66, 34844), (Start: 118 @34922 has 37 MA's), (Start: 131 @34934 has 11 MA's), (Start: 132 @34940 has 11 MA's), (155, 35018), (176, 35084), (178, 35087),

Gene: TforTroy_34 Start: 25368, Stop: 25634, Start Num: 108
Candidate Starts for TforTroy_34:
(Start: 108 @25368 has 27 MA's), (178, 25551),

Gene: TheloniousMonk_65 Start: 43428, Stop: 43162, Start Num: 84
Candidate Starts for TheloniousMonk_65:
(Start: 83 @43431 has 30 MA's), (Start: 84 @43428 has 118 MA's), (Start: 89 @43416 has 4 MA's), (Start: 132 @43392 has 11 MA's), (145, 43347), (149, 43329), (168, 43278), (198, 43203), (210, 43173),

Gene: Thibault_45 Start: 41387, Stop: 41626, Start Num: 132
Candidate Starts for Thibault_45:
(Start: 132 @41387 has 11 MA's), (138, 41414), (155, 41468), (156, 41471), (176, 41528), (191, 41564),

Gene: Thimble_37 Start: 32085, Stop: 32330, Start Num: 127
Candidate Starts for Thimble_37:
(Start: 127 @32085 has 245 MA's), (145, 32142), (155, 32175), (158, 32181), (175, 32235), (180, 32247),

Gene: ThirteenKH_9 Start: 6080, Stop: 5724, Start Num: 119
Candidate Starts for ThirteenKH_9:
(Start: 119 @6080 has 71 MA's), (137, 6041), (141, 6026), (173, 5930), (220, 5813), (224, 5774),

Gene: Thonko_81 Start: 61339, Stop: 61569, Start Num: 132
Candidate Starts for Thonko_81:
(63, 61228), (107, 61303), (Start: 132 @61339 has 11 MA's), (180, 61489),

Gene: Thor_61 Start: 40522, Stop: 40256, Start Num: 84
Candidate Starts for Thor_61:
(Start: 83 @40525 has 30 MA's), (Start: 84 @40522 has 118 MA's), (Start: 89 @40510 has 4 MA's), (Start: 108 @40495 has 27 MA's), (Start: 132 @40489 has 11 MA's), (146, 40438), (149, 40423), (158, 40402), (168, 40372), (176, 40342), (210, 40267),

Gene: ThreeRngTarjay_50 Start: 44296, Stop: 44541, Start Num: 127
Candidate Starts for ThreeRngTarjay_50:
(Start: 127 @44296 has 245 MA's), (146, 44359), (155, 44389), (156, 44392), (178, 44452), (180, 44455), (181, 44458),

Gene: Thresher_38 Start: 33889, Stop: 34134, Start Num: 127
Candidate Starts for Thresher_38:
(Start: 127 @33889 has 245 MA's), (145, 33946), (155, 33979), (158, 33985), (175, 34039), (180, 34051),

Gene: ThursdayNight_37 Start: 26453, Stop: 26713, Start Num: 96
Candidate Starts for ThursdayNight_37:
(23, 26240), (25, 26249), (96, 26453), (178, 26624),

Gene: Thyatira_63 Start: 44764, Stop: 45012, Start Num: 129
Candidate Starts for Thyatira_63:
(Start: 129 @44764 has 146 MA's), (149, 44839), (174, 44911), (184, 44935),

Gene: Tian_33 Start: 26378, Stop: 26620, Start Num: 109
Candidate Starts for Tian_33:
(Start: 109 @26378 has 5 MA's),

Gene: TicTac_9 Start: 6319, Stop: 5996, Start Num: 119
Candidate Starts for TicTac_9:
(31, 6487), (47, 6436), (Start: 119 @6319 has 71 MA's), (140, 6268), (146, 6253), (163, 6205), (200, 6097), (222, 6049), (224, 6031),

Gene: Tierra_70 Start: 44265, Stop: 44504, Start Num: 129

Candidate Starts for Tierra_70:
(73, 44181), (Start: 129 @44265 has 146 MA's), (Start: 132 @44274 has 11 MA's), (155, 44355), (173, 44409),

Gene: Tigress9_73 Start: 44081, Stop: 44320, Start Num: 129
Candidate Starts for Tigress9_73:
(73, 43997), (Start: 129 @44081 has 146 MA's), (Start: 132 @44090 has 11 MA's), (155, 44171), (173, 44225), (178, 44240),

Gene: Timothy_57 Start: 37302, Stop: 37030, Start Num: 87
Candidate Starts for Timothy_57:
(Start: 87 @37302 has 127 MA's), (Start: 121 @37293 has 15 MA's), (180, 37122),

Gene: TinaLin_62 Start: 38825, Stop: 39049, Start Num: 131
Candidate Starts for TinaLin_62:
(Start: 131 @38825 has 11 MA's), (140, 38867), (155, 38912), (160, 38921), (175, 38972), (178, 38981), (190, 39002),

Gene: TingHuaYa_70 Start: 43428, Stop: 43676, Start Num: 129
Candidate Starts for TingHuaYa_70:
(Start: 129 @43428 has 146 MA's), (155, 43518), (190, 43614), (199, 43638),

Gene: TiniBug_67 Start: 44358, Stop: 44600, Start Num: 129
Candidate Starts for TiniBug_67:
(Start: 129 @44358 has 146 MA's), (155, 44448), (190, 44544), (199, 44568),

Gene: TinyTimmy_57 Start: 37351, Stop: 37079, Start Num: 87
Candidate Starts for TinyTimmy_57:
(Start: 87 @37351 has 127 MA's), (Start: 121 @37342 has 15 MA's), (180, 37171),

Gene: TinyTimothy_9 Start: 6219, Stop: 5899, Start Num: 119
Candidate Starts for TinyTimothy_9:
(Start: 119 @6219 has 71 MA's), (137, 6180), (140, 6168), (199, 6000), (224, 5931),

Gene: TipsytheTRex_54 Start: 37698, Stop: 37426, Start Num: 87
Candidate Starts for TipsytheTRex_54:
(49, 37770), (55, 37758), (Start: 87 @37698 has 127 MA's), (Start: 131 @37677 has 11 MA's), (Start: 132 @37671 has 11 MA's), (170, 37548), (173, 37536),

Gene: Tiri_67 Start: 43756, Stop: 43998, Start Num: 129
Candidate Starts for Tiri_67:
(Start: 129 @43756 has 146 MA's), (140, 43801), (155, 43846), (190, 43942),

Gene: Toaka_58 Start: 38206, Stop: 37934, Start Num: 87
Candidate Starts for Toaka_58:
(Start: 87 @38206 has 127 MA's), (Start: 121 @38197 has 15 MA's), (170, 38056), (175, 38038),

Gene: Tomaszewski_36 Start: 32732, Stop: 32977, Start Num: 127
Candidate Starts for Tomaszewski_36:
(Start: 127 @32732 has 245 MA's), (145, 32789), (155, 32822), (158, 32828), (173, 32876), (175, 32882), (180, 32894),

Gene: Tomathan_60 Start: 38318, Stop: 38046, Start Num: 87

Candidate Starts for Tomathan_60:
(Start: 87 @38318 has 127 MA's), (Start: 121 @38309 has 15 MA's), (154, 38216), (180, 38138), (199, 38084),

Gene: Toniann_125 Start: 71160, Stop: 71450, Start Num: 114
Candidate Starts for Toniann_125:
(53, 71052), (60, 71067), (85, 71112), (Start: 114 @71160 has 6 MA's), (137, 71205), (176, 71334),

Gene: Topper_66 Start: 43622, Stop: 43864, Start Num: 129
Candidate Starts for Topper_66:
(Start: 129 @43622 has 146 MA's), (155, 43712), (190, 43808), (199, 43832),

Gene: Tortoise12_49 Start: 33608, Stop: 33856, Start Num: 118
Candidate Starts for Tortoise12_49:
(12, 33194), (26, 33401), (30, 33434), (66, 33530), (Start: 118 @33608 has 37 MA's), (Start: 131 @33620 has 11 MA's), (Start: 132 @33626 has 11 MA's), (155, 33704), (176, 33770), (178, 33773),

Gene: Tote_58 Start: 38354, Stop: 38079, Start Num: 84
Candidate Starts for Tote_58:
(Start: 83 @38357 has 30 MA's), (Start: 84 @38354 has 118 MA's), (Start: 89 @38342 has 4 MA's), (Start: 132 @38312 has 11 MA's), (146, 38261), (149, 38246), (158, 38225), (168, 38195), (176, 38165),

Gene: Toto_37 Start: 33135, Stop: 33380, Start Num: 127
Candidate Starts for Toto_37:
(Start: 127 @33135 has 245 MA's), (145, 33192), (155, 33225), (158, 33231), (175, 33285), (180, 33297),

Gene: Tourach_32 Start: 28413, Stop: 28679, Start Num: 127
Candidate Starts for Tourach_32:
(Start: 127 @28413 has 245 MA's), (139, 28458), (156, 28509), (207, 28647), (218, 28668),

Gene: Towmatter_75 Start: 53043, Stop: 52786, Start Num: 111
Candidate Starts for Towmatter_75:
(80, 53094), (88, 53079), (95, 53070), (97, 53067), (Start: 111 @53043 has 18 MA's), (178, 52872),

Gene: TpudiCK_41 Start: 32779, Stop: 33039, Start Num: 127
Candidate Starts for TpudiCK_41:
(46, 32650), (Start: 110 @32761 has 15 MA's), (Start: 127 @32779 has 245 MA's), (146, 32842), (174, 32929), (176, 32938), (181, 32947),

Gene: Traaww1_35 Start: 32773, Stop: 33018, Start Num: 127
Candidate Starts for Traaww1_35:
(Start: 127 @32773 has 245 MA's), (145, 32830), (155, 32863), (158, 32869), (175, 32923), (180, 32935),

Gene: Traft412_64 Start: 41743, Stop: 41486, Start Num: 92
Candidate Starts for Traft412_64:
(Start: 92 @41743 has 10 MA's), (Start: 108 @41725 has 27 MA's), (Start: 132 @41719 has 11 MA's), (146, 41668), (149, 41653), (158, 41632), (168, 41602), (176, 41572),

Gene: Travvers_60 Start: 38268, Stop: 37996, Start Num: 87
Candidate Starts for Travvers_60:

(Start: 87 @38268 has 127 MA's), (Start: 121 @38259 has 15 MA's), (154, 38166), (180, 38088), (199, 38034),

Gene: Treddle_63 Start: 42567, Stop: 42298, Start Num: 83
Candidate Starts for Treddle_63:
(Start: 83 @42567 has 30 MA's), (Start: 84 @42564 has 118 MA's), (Start: 89 @42552 has 4 MA's), (Start: 132 @42531 has 11 MA's), (146, 42480), (149, 42465), (158, 42444), (164, 42423), (168, 42414), (176, 42384),

Gene: TreyKay_68 Start: 44110, Stop: 44352, Start Num: 129
Candidate Starts for TreyKay_68:
(Start: 129 @44110 has 146 MA's), (155, 44200), (190, 44296),

Gene: TriFive_31 Start: 28784, Stop: 29050, Start Num: 127
Candidate Starts for TriFive_31:
(Start: 127 @28784 has 245 MA's), (Start: 132 @28796 has 11 MA's), (139, 28829),

Gene: TribleTrouble_68 Start: 44625, Stop: 44867, Start Num: 127
Candidate Starts for TribleTrouble_68:
(Start: 127 @44625 has 245 MA's), (137, 44658), (155, 44715), (178, 44787),

Gene: Tripl3t_65 Start: 43651, Stop: 43394, Start Num: 92
Candidate Starts for Tripl3t_65:
(Start: 92 @43651 has 10 MA's), (Start: 108 @43633 has 27 MA's), (Start: 132 @43627 has 11 MA's), (146, 43576), (149, 43561), (158, 43540), (168, 43510), (176, 43480), (210, 43405),

Gene: TripleC_6 Start: 4398, Stop: 4658, Start Num: 124
Candidate Starts for TripleC_6:
(Start: 124 @4398 has 24 MA's), (Start: 129 @4404 has 146 MA's), (154, 4488), (207, 4617),

Gene: TrippleS_9 Start: 6080, Stop: 5724, Start Num: 119
Candidate Starts for TrippleS_9:
(Start: 119 @6080 has 71 MA's), (137, 6041), (141, 6026), (173, 5930), (220, 5813), (224, 5774),

Gene: Trouble_63 Start: 41668, Stop: 41399, Start Num: 83
Candidate Starts for Trouble_63:
(Start: 83 @41668 has 30 MA's), (Start: 84 @41665 has 118 MA's), (Start: 89 @41653 has 4 MA's), (Start: 132 @41632 has 11 MA's), (149, 41566), (158, 41545), (164, 41524), (168, 41515), (176, 41485),

Gene: TruffulaTree_67 Start: 43916, Stop: 44158, Start Num: 129
Candidate Starts for TruffulaTree_67:
(Start: 129 @43916 has 146 MA's), (155, 44006), (190, 44102), (199, 44126),

Gene: Truong_9 Start: 6089, Stop: 5751, Start Num: 119
Candidate Starts for Truong_9:
(50, 6161), (Start: 119 @6089 has 71 MA's), (137, 6050), (162, 5978), (173, 5939), (225, 5798),

Gene: Tubs_58 Start: 38225, Stop: 37953, Start Num: 87
Candidate Starts for Tubs_58:
(Start: 87 @38225 has 127 MA's), (Start: 121 @38216 has 15 MA's), (143, 38159), (154, 38123), (167, 38084), (175, 38057), (180, 38045),

Gene: Tuck_36 Start: 27187, Stop: 27453, Start Num: 108
Candidate Starts for Tuck_36:
(18, 26950), (20, 26959), (Start: 108 @27187 has 27 MA's),

Gene: Tuco_38 Start: 33643, Stop: 33888, Start Num: 127
Candidate Starts for Tuco_38:
(Start: 127 @33643 has 245 MA's), (145, 33700), (155, 33733), (158, 33739), (175, 33793), (180, 33805),

Gene: Turab_32 Start: 24438, Stop: 24704, Start Num: 104
Candidate Starts for Turab_32:
(7, 23982), (18, 24183), (25, 24219), (Start: 104 @24438 has 4 MA's), (178, 24621),

Gene: Turbido_59 Start: 38719, Stop: 38447, Start Num: 87
Candidate Starts for Turbido_59:
(Start: 87 @38719 has 127 MA's), (Start: 121 @38710 has 15 MA's), (Start: 131 @38698 has 11 MA's), (Start: 132 @38692 has 11 MA's),

Gene: Turj99_60 Start: 42063, Stop: 41797, Start Num: 84
Candidate Starts for Turj99_60:
(Start: 83 @42066 has 30 MA's), (Start: 84 @42063 has 118 MA's), (Start: 89 @42051 has 4 MA's), (Start: 108 @42036 has 27 MA's), (Start: 132 @42030 has 11 MA's), (146, 41979), (149, 41964), (158, 41943), (168, 41913), (176, 41883), (210, 41808),

Gene: Tutumahutu_33 Start: 24722, Stop: 24988, Start Num: 108
Candidate Starts for Tutumahutu_33:
(18, 24464), (25, 24500), (Start: 108 @24722 has 27 MA's), (178, 24905),

Gene: Tweety19_33 Start: 23630, Stop: 23896, Start Num: 90
Candidate Starts for Tweety19_33:
(21, 23420), (24, 23429), (Start: 90 @23630 has 2 MA's), (178, 23813),

Gene: Twitch_66 Start: 43624, Stop: 43866, Start Num: 129
Candidate Starts for Twitch_66:
(Start: 129 @43624 has 146 MA's), (155, 43714), (190, 43810), (199, 43834),

Gene: TwoPeat_63 Start: 41915, Stop: 41649, Start Num: 84
Candidate Starts for TwoPeat_63:
(Start: 83 @41918 has 30 MA's), (Start: 84 @41915 has 118 MA's), (Start: 89 @41903 has 4 MA's), (Start: 108 @41888 has 27 MA's), (Start: 132 @41882 has 11 MA's), (146, 41831), (149, 41816), (158, 41795), (168, 41765), (176, 41735),

Gene: TyDawg_39 Start: 32762, Stop: 33040, Start Num: 110
Candidate Starts for TyDawg_39:
(46, 32651), (Start: 110 @32762 has 15 MA's), (Start: 127 @32780 has 245 MA's), (146, 32843), (174, 32930), (176, 32939), (181, 32948),

Gene: Ugenie5_55 Start: 38510, Stop: 38238, Start Num: 87
Candidate Starts for Ugenie5_55:
(Start: 87 @38510 has 127 MA's), (Start: 121 @38501 has 15 MA's), (143, 38444), (154, 38408), (167, 38369), (175, 38342), (180, 38330),

Gene: Ukulele_37 Start: 32893, Stop: 33138, Start Num: 127

Candidate Starts for Ukulele_37:
(Start: 127 @32893 has 245 MA's), (145, 32950), (155, 32983), (158, 32989), (175, 33043), (180, 33055),

Gene: Underpass_32 Start: 28424, Stop: 28690, Start Num: 127
Candidate Starts for Underpass_32:
(Start: 127 @28424 has 245 MA's), (139, 28469), (156, 28520), (181, 28586), (207, 28658), (218, 28679),

Gene: Unicorn_68 Start: 43391, Stop: 43630, Start Num: 129
Candidate Starts for Unicorn_68:
(Start: 129 @43391 has 146 MA's), (Start: 132 @43400 has 11 MA's), (155, 43481), (178, 43550),

Gene: Unphazed_9 Start: 6368, Stop: 6045, Start Num: 119
Candidate Starts for Unphazed_9:
(Start: 119 @6368 has 71 MA's), (140, 6317), (155, 6272), (163, 6254), (199, 6149), (222, 6098),

Gene: Urkel_67 Start: 44362, Stop: 44604, Start Num: 129
Candidate Starts for Urkel_67:
(Start: 129 @44362 has 146 MA's), (155, 44452), (190, 44548), (199, 44572),

Gene: UtzChips_41 Start: 26893, Stop: 27153, Start Num: 121
Candidate Starts for UtzChips_41:
(42, 26767), (Start: 121 @26893 has 15 MA's),

Gene: VC3_61 Start: 38705, Stop: 38394, Start Num: 64
Candidate Starts for VC3_61:
(Start: 64 @38705 has 4 MA's), (Start: 87 @38666 has 127 MA's), (Start: 121 @38657 has 15 MA's), (154, 38564), (170, 38516), (180, 38486),

Gene: VResidence_33 Start: 24693, Stop: 24935, Start Num: 127
Candidate Starts for VResidence_33:
(Start: 127 @24693 has 245 MA's), (144, 24747), (180, 24855),

Gene: Validus_71 Start: 44494, Stop: 44733, Start Num: 128
Candidate Starts for Validus_71:
(Start: 128 @44494 has 5 MA's), (155, 44584), (173, 44638),

Gene: Vanisoa_58 Start: 39326, Stop: 39054, Start Num: 87
Candidate Starts for Vanisoa_58:
(Start: 87 @39326 has 127 MA's), (Start: 121 @39317 has 15 MA's), (143, 39260), (154, 39224), (170, 39176), (180, 39146), (186, 39137),

Gene: Veliki_68 Start: 43889, Stop: 44131, Start Num: 129
Candidate Starts for Veliki_68:
(Start: 129 @43889 has 146 MA's), (155, 43979), (190, 44075), (199, 44099),

Gene: Vendetta_63 Start: 40094, Stop: 40318, Start Num: 131
Candidate Starts for Vendetta_63:
(Start: 131 @40094 has 11 MA's), (140, 40136), (155, 40181), (160, 40190), (175, 40241), (178, 40250),

Gene: Vetrix_32 Start: 28428, Stop: 28694, Start Num: 127

Candidate Starts for Vetrix_32:
(Start: 127 @28428 has 245 MA's), (139, 28473), (156, 28524), (181, 28590), (207, 28662), (218, 28683),

Gene: Vibaki_39 Start: 33279, Stop: 33614, Start Num: 101
Candidate Starts for Vibaki_39:
(Start: 101 @33279 has 2 MA's), (Start: 110 @33294 has 15 MA's), (180, 33507), (181, 33510), (213, 33585),

Gene: Violet_60 Start: 42922, Stop: 42656, Start Num: 84
Candidate Starts for Violet_60:
(Start: 83 @42925 has 30 MA's), (Start: 84 @42922 has 118 MA's), (Start: 89 @42910 has 4 MA's), (Start: 132 @42889 has 11 MA's), (146, 42838), (149, 42823), (158, 42802), (168, 42772), (176, 42742),

Gene: Vitus_40 Start: 32270, Stop: 32614, Start Num: 101
Candidate Starts for Vitus_40:
(14, 31940), (Start: 101 @32270 has 2 MA's), (Start: 110 @32285 has 15 MA's), (141, 32351), (151, 32381), (162, 32438), (175, 32492), (180, 32504), (213, 32582),

Gene: VroomVroom_39 Start: 26557, Stop: 26892, Start Num: 119
Candidate Starts for VroomVroom_39:
(Start: 119 @26557 has 71 MA's), (180, 26749),

Gene: WaddleDee_95 Start: 82115, Stop: 82375, Start Num: 127
Candidate Starts for WaddleDee_95:
(Start: 127 @82115 has 245 MA's), (195, 82304), (206, 82334), (207, 82337),

Gene: Waits_64 Start: 37663, Stop: 37394, Start Num: 115
Candidate Starts for Waits_64:
(10, 38107), (11, 38083), (15, 38005), (Start: 115 @37663 has 23 MA's), (180, 37486),

Gene: Wanda_58 Start: 44007, Stop: 44255, Start Num: 127
Candidate Starts for Wanda_58:
(Start: 127 @44007 has 245 MA's), (171, 44139),

Gene: Warda_33 Start: 24726, Stop: 24992, Start Num: 108
Candidate Starts for Warda_33:
(18, 24468), (25, 24504), (Start: 108 @24726 has 27 MA's), (178, 24909),

Gene: Warrior24_66 Start: 38097, Stop: 37828, Start Num: 115
Candidate Starts for Warrior24_66:
(Start: 115 @38097 has 23 MA's), (180, 37920),

Gene: WaterT_52 Start: 33281, Stop: 33520, Start Num: 129
Candidate Starts for WaterT_52:
(Start: 129 @33281 has 146 MA's), (146, 33338), (154, 33365), (158, 33374),

Gene: Waterfoul_62 Start: 42861, Stop: 43109, Start Num: 129
Candidate Starts for Waterfoul_62:
(Start: 129 @42861 has 146 MA's), (149, 42936), (174, 43008), (184, 43032),

Gene: Waterlily_9 Start: 6089, Stop: 5751, Start Num: 119

Candidate Starts for Waterlily_9:
(50, 6161), (Start: 119 @6089 has 71 MA's), (137, 6050), (162, 5978), (173, 5939), (190, 5897), (225, 5798),

Gene: Weiss13_40 Start: 36088, Stop: 36333, Start Num: 123
Candidate Starts for Weiss13_40:
(95, 36046), (Start: 123 @36088 has 9 MA's), (133, 36109), (137, 36130), (145, 36154), (146, 36157), (182, 36256), (183, 36259), (185, 36262),

Gene: Wesak_9 Start: 6219, Stop: 5899, Start Num: 119
Candidate Starts for Wesak_9:
(Start: 119 @6219 has 71 MA's), (137, 6180), (140, 6168), (141, 6165), (199, 6000), (224, 5931),

Gene: Whabigail7_59 Start: 38704, Stop: 38432, Start Num: 87
Candidate Starts for Whabigail7_59:
(Start: 87 @38704 has 127 MA's), (Start: 121 @38695 has 15 MA's), (Start: 131 @38683 has 11 MA's), (Start: 132 @38677 has 11 MA's), (170, 38554),

Gene: Wheeler_64 Start: 41819, Stop: 41544, Start Num: 84
Candidate Starts for Wheeler_64:
(Start: 84 @41819 has 118 MA's), (Start: 89 @41807 has 4 MA's), (146, 41726), (149, 41711), (158, 41690), (168, 41660), (176, 41630), (210, 41555),

Gene: Whirlwind_32 Start: 28525, Stop: 28791, Start Num: 127
Candidate Starts for Whirlwind_32:
(Start: 100 @28486 has 1 MA's), (Start: 127 @28525 has 245 MA's), (Start: 132 @28537 has 11 MA's), (139, 28570), (155, 28618),

Gene: Whitspit_58 Start: 39003, Stop: 38737, Start Num: 84
Candidate Starts for Whitspit_58:
(Start: 83 @39006 has 30 MA's), (Start: 84 @39003 has 118 MA's), (Start: 89 @38991 has 4 MA's), (Start: 132 @38970 has 11 MA's), (146, 38919), (149, 38904), (158, 38883), (168, 38853), (176, 38823), (210, 38748),

Gene: Wiggin_40 Start: 33639, Stop: 33884, Start Num: 127
Candidate Starts for Wiggin_40:
(Start: 127 @33639 has 245 MA's), (145, 33696), (155, 33729), (158, 33735), (175, 33789), (180, 33801),

Gene: Wigglewiggle_32 Start: 28454, Stop: 28720, Start Num: 127
Candidate Starts for Wigglewiggle_32:
(Start: 127 @28454 has 245 MA's), (139, 28499), (156, 28550), (181, 28616), (207, 28688), (218, 28709),

Gene: Wildcat_53 Start: 39356, Stop: 39604, Start Num: 127
Candidate Starts for Wildcat_53:
(Start: 127 @39356 has 245 MA's), (152, 39437), (168, 39485), (178, 39518), (180, 39521), (181, 39524), (198, 39557), (212, 39593),

Gene: Wilder_32 Start: 28427, Stop: 28693, Start Num: 127
Candidate Starts for Wilder_32:
(Start: 127 @28427 has 245 MA's), (139, 28472), (156, 28523), (181, 28589), (207, 28661), (218, 28682),

Gene: Wildwest_33 Start: 24524, Stop: 24790, Start Num: 108
Candidate Starts for Wildwest_33:
(18, 24266), (25, 24302), (Start: 108 @24524 has 27 MA's), (178, 24707),

Gene: Willez_36 Start: 32639, Stop: 32884, Start Num: 127
Candidate Starts for Willez_36:
(Start: 127 @32639 has 245 MA's), (145, 32696), (155, 32729), (158, 32735), (175, 32789), (180, 32801),

Gene: WilliamBoone_123 Start: 68402, Stop: 68692, Start Num: 114
Candidate Starts for WilliamBoone_123:
(71, 68330), (Start: 114 @68402 has 6 MA's), (176, 68576), (180, 68582),

Gene: Winky_32 Start: 28422, Stop: 28688, Start Num: 127
Candidate Starts for Winky_32:
(Start: 127 @28422 has 245 MA's), (139, 28467), (156, 28518), (181, 28584), (207, 28656), (218, 28677),

Gene: Wintermute_70 Start: 43607, Stop: 43870, Start Num: 119
Candidate Starts for Wintermute_70:
(Start: 119 @43607 has 71 MA's), (Start: 131 @43622 has 11 MA's), (155, 43709), (188, 43805), (210, 43859),

Gene: Wolpertinger_56 Start: 37334, Stop: 37062, Start Num: 87
Candidate Starts for Wolpertinger_56:
(Start: 87 @37334 has 127 MA's), (Start: 121 @37325 has 15 MA's), (180, 37154),

Gene: WorldCup_57 Start: 37992, Stop: 37720, Start Num: 87
Candidate Starts for WorldCup_57:
(Start: 87 @37992 has 127 MA's), (Start: 121 @37983 has 15 MA's), (143, 37926), (154, 37890), (170, 37842),

Gene: Xandras_39 Start: 33125, Stop: 33370, Start Num: 127
Candidate Starts for Xandras_39:
(Start: 127 @33125 has 245 MA's), (145, 33182), (155, 33215), (158, 33221), (175, 33275), (180, 33287),

Gene: Xerxes_50 Start: 34922, Stop: 35170, Start Num: 118
Candidate Starts for Xerxes_50:
(12, 34508), (26, 34715), (30, 34748), (66, 34844), (Start: 118 @34922 has 37 MA's), (Start: 131 @34934 has 11 MA's), (Start: 132 @34940 has 11 MA's), (155, 35018), (176, 35084), (178, 35087),

Gene: Xiaokay_47 Start: 41033, Stop: 41281, Start Num: 127
Candidate Starts for Xiaokay_47:
(Start: 127 @41033 has 245 MA's), (138, 41072), (155, 41126), (156, 41129), (176, 41186), (191, 41222), (207, 41270),

Gene: Ximenita_72 Start: 44093, Stop: 44332, Start Num: 129
Candidate Starts for Ximenita_72:
(73, 44009), (Start: 129 @44093 has 146 MA's), (Start: 132 @44102 has 11 MA's), (155, 44183), (178, 44252),

Gene: Xitlalli_9 Start: 6353, Stop: 6033, Start Num: 119
Candidate Starts for Xitlalli_9:
(59, 6443), (Start: 119 @6353 has 71 MA's), (140, 6302), (146, 6287), (163, 6239), (219, 6098),

Gene: Yafa_9 Start: 6095, Stop: 5739, Start Num: 119
Candidate Starts for Yafa_9:
(Start: 119 @6095 has 71 MA's), (137, 6056), (141, 6041), (173, 5945), (220, 5828), (224, 5789),

Gene: Yang_33 Start: 24867, Stop: 25133, Start Num: 108
Candidate Starts for Yang_33:
(18, 24609), (25, 24645), (Start: 108 @24867 has 27 MA's), (178, 25050),

Gene: Yappy_50 Start: 13369, Stop: 13620, Start Num: 102
Candidate Starts for Yappy_50:
(Start: 102 @13369 has 1 MA's), (Start: 127 @13402 has 245 MA's), (Start: 132 @13414 has 11 MA's), (140, 13447), (151, 13480),

Gene: YasnayaPolyana_69 Start: 43433, Stop: 43696, Start Num: 119
Candidate Starts for YasnayaPolyana_69:
(Start: 119 @43433 has 71 MA's), (Start: 131 @43448 has 11 MA's), (155, 43535), (188, 43631), (210, 43685),

Gene: YassJohnny_38 Start: 33650, Stop: 33895, Start Num: 127
Candidate Starts for YassJohnny_38:
(Start: 127 @33650 has 245 MA's), (145, 33707), (155, 33740), (158, 33746), (175, 33800), (180, 33812),

Gene: Yecey3_59 Start: 38093, Stop: 37821, Start Num: 87
Candidate Starts for Yecey3_59:
(Start: 87 @38093 has 127 MA's), (Start: 121 @38084 has 15 MA's), (143, 38027), (154, 37991), (170, 37943), (175, 37925),

Gene: Yeet_50 Start: 43428, Stop: 43673, Start Num: 127
Candidate Starts for Yeet_50:
(Start: 127 @43428 has 245 MA's), (146, 43491), (155, 43521), (156, 43524), (178, 43584), (180, 43587), (181, 43590),

Gene: YellowPanda_9 Start: 6219, Stop: 5899, Start Num: 119
Candidate Starts for YellowPanda_9:
(Start: 119 @6219 has 71 MA's), (137, 6180), (140, 6168), (141, 6165), (199, 6000), (224, 5931),

Gene: Yelo_40 Start: 36381, Stop: 36626, Start Num: 123
Candidate Starts for Yelo_40:
(95, 36339), (Start: 123 @36381 has 9 MA's), (133, 36402), (137, 36423), (146, 36450), (182, 36549), (183, 36552), (185, 36555), (202, 36606),

Gene: YesChef_33 Start: 24727, Stop: 24969, Start Num: 108
Candidate Starts for YesChef_33:
(Start: 108 @24727 has 27 MA's), (178, 24886),

Gene: Yotsuba_51 Start: 37228, Stop: 37476, Start Num: 124
Candidate Starts for Yotsuba_51:

(Start: 124 @37228 has 24 MA's), (158, 37327), (159, 37333), (176, 37387), (178, 37390), (181, 37396), (215, 37465),

Gene: Youngblood_37 Start: 33295, Stop: 33540, Start Num: 127
Candidate Starts for Youngblood_37:
(Start: 127 @33295 has 245 MA's), (145, 33352), (155, 33385), (158, 33391), (173, 33439), (175, 33445), (180, 33457),

Gene: YoureAdopted_66 Start: 44035, Stop: 44277, Start Num: 129
Candidate Starts for YoureAdopted_66:
(Start: 129 @44035 has 146 MA's), (155, 44125), (190, 44221), (199, 44245),

Gene: Yuna_71 Start: 45201, Stop: 45449, Start Num: 129
Candidate Starts for Yuna_71:
(73, 45129), (Start: 129 @45201 has 146 MA's), (155, 45291), (174, 45351), (199, 45411),

Gene: Yunkel11_71 Start: 43949, Stop: 44191, Start Num: 129
Candidate Starts for Yunkel11_71:
(69, 43871), (Start: 129 @43949 has 146 MA's), (190, 44135),

Gene: Yvonnetastic_129 Start: 73454, Stop: 73753, Start Num: 111
Candidate Starts for Yvonnetastic_129:
(Start: 111 @73454 has 18 MA's), (140, 73514), (154, 73556), (158, 73565), (168, 73601), (176, 73631),

Gene: Zabiza_61 Start: 39772, Stop: 40014, Start Num: 129
Candidate Starts for Zabiza_61:
(Start: 129 @39772 has 146 MA's), (155, 39862), (190, 39958), (199, 39982),

Gene: Zavala_69 Start: 44194, Stop: 44436, Start Num: 129
Candidate Starts for Zavala_69:
(Start: 129 @44194 has 146 MA's), (155, 44284), (190, 44380), (199, 44404),

Gene: Zelink_53 Start: 45222, Stop: 45467, Start Num: 127
Candidate Starts for Zelink_53:
(Start: 127 @45222 has 245 MA's), (146, 45285), (155, 45315), (156, 45318), (178, 45378), (180, 45381), (181, 45384),

Gene: Zenon_41 Start: 36400, Stop: 36645, Start Num: 123
Candidate Starts for Zenon_41:
(95, 36358), (Start: 123 @36400 has 9 MA's), (133, 36421), (137, 36442), (146, 36469), (182, 36568), (183, 36571), (185, 36574), (202, 36625),

Gene: Zeta1847_35 Start: 25236, Stop: 25493, Start Num: 121
Candidate Starts for Zeta1847_35:
(1, 24102), (2, 24135), (3, 24270), (33, 25080), (Start: 121 @25236 has 15 MA's), (137, 25275),

Gene: Zeuska_67 Start: 44044, Stop: 43775, Start Num: 84
Candidate Starts for Zeuska_67:
(Start: 83 @44047 has 30 MA's), (Start: 84 @44044 has 118 MA's), (Start: 89 @44032 has 4 MA's), (149, 43942), (158, 43921), (168, 43891), (176, 43861),

Gene: Zhengyi_9 Start: 6127, Stop: 5798, Start Num: 119

Candidate Starts for Zhengyi_9:
(Start: 119 @6127 has 71 MA's), (140, 6073), (173, 5974), (199, 5905), (210, 5881), (224, 5836),

Gene: Zimmer_55 Start: 39223, Stop: 38951, Start Num: 87
Candidate Starts for Zimmer_55:
(71, 39253), (Start: 87 @39223 has 127 MA's), (154, 39121), (170, 39073), (175, 39055), (180, 39043),

Gene: ZoeJ_68 Start: 45471, Stop: 45716, Start Num: 129
Candidate Starts for ZoeJ_68:
(Start: 87 @45414 has 127 MA's), (91, 45420), (Start: 129 @45471 has 146 MA's), (155, 45561), (168, 45597), (178, 45630),

Gene: Zooman_185 Start: 110949, Stop: 110695, Start Num: 127
Candidate Starts for Zooman_185:
(93, 110997), (Start: 127 @110949 has 245 MA's),

Gene: xkcd_38 Start: 33304, Stop: 33549, Start Num: 127
Candidate Starts for xkcd_38:
(Start: 127 @33304 has 245 MA's), (145, 33361), (155, 33394), (158, 33400), (175, 33454), (180, 33466),