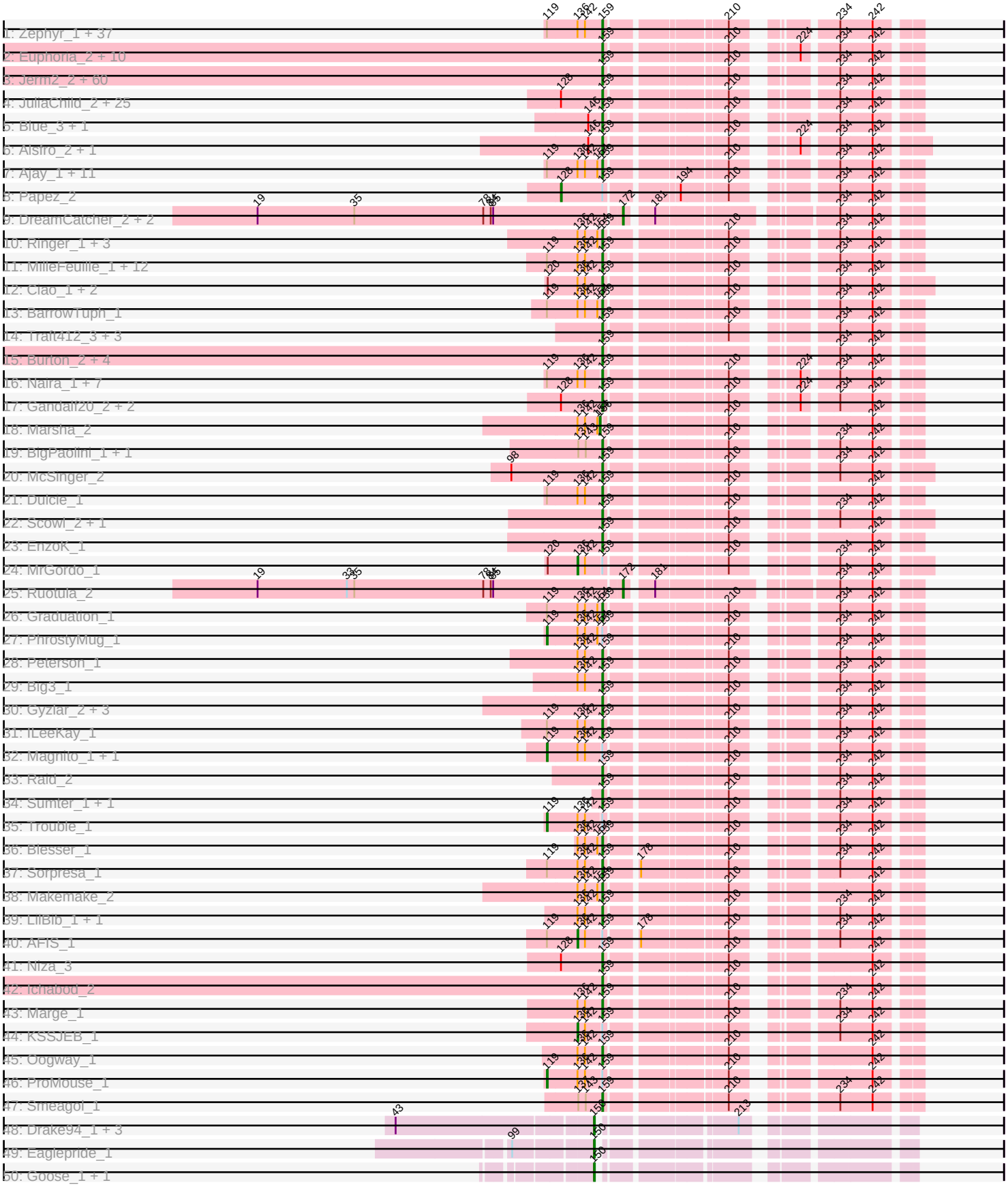
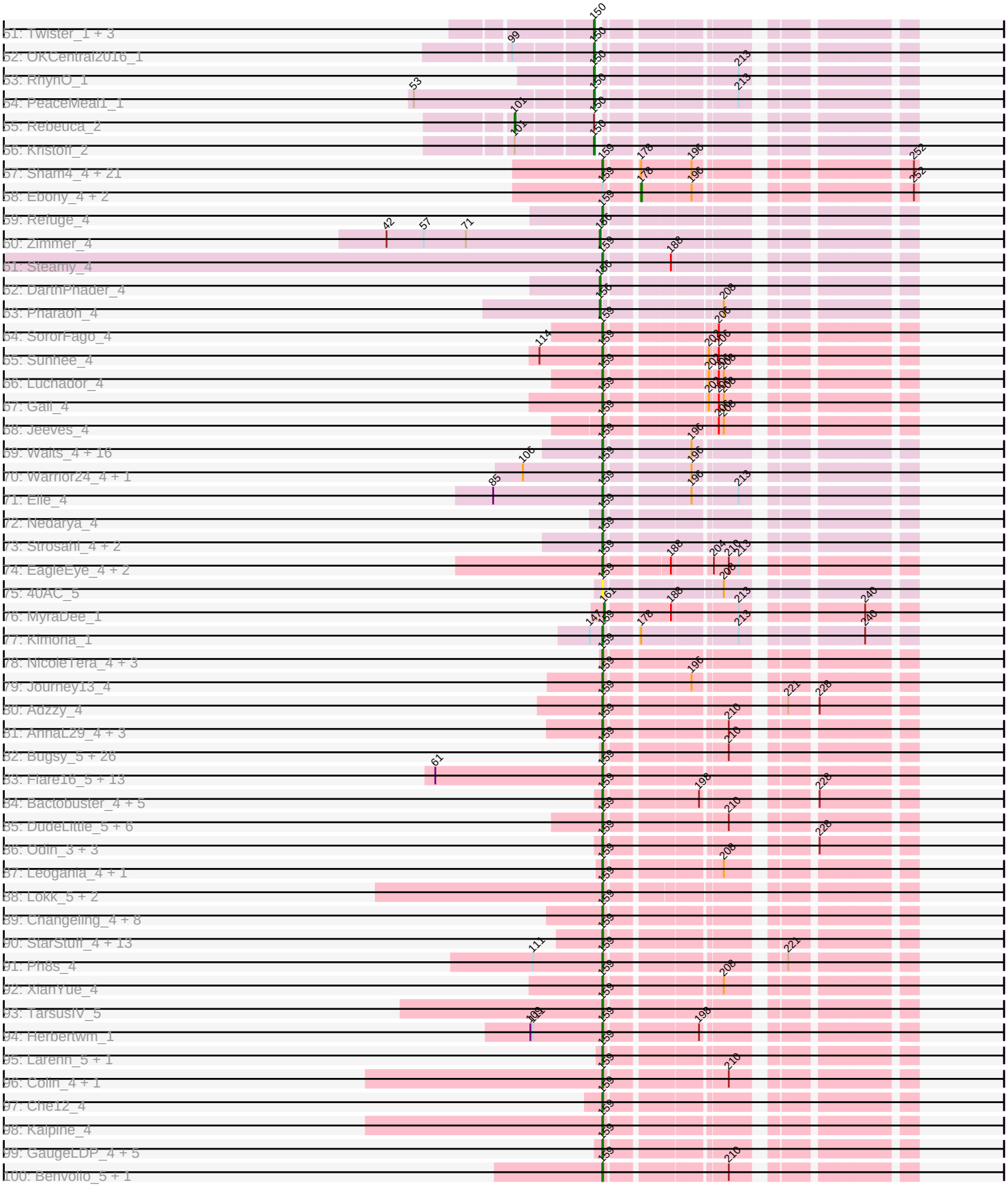
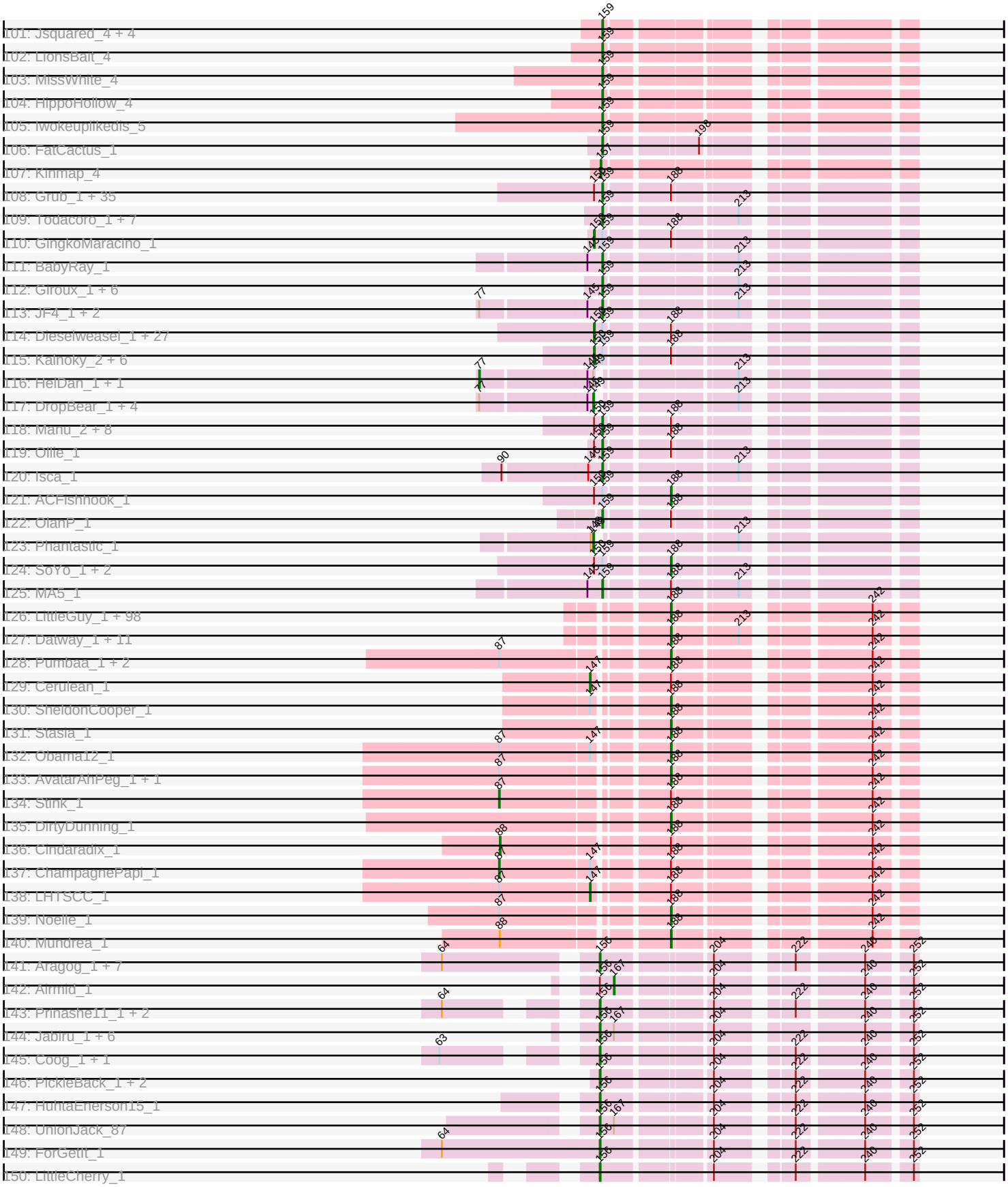
Pham 347012


1: Zephyr_1 + 37
2: Euphoria_2 + 10
3: Jerm2_2 + 60
4: JuliaChild_2 + 25
5: Blue_3 + 1
6: Alsfro_2 + 1
7: Ajay_1 + 11
8: Papez_2
9: DreamCatcher_2 + 2
10: Ringer_1 + 3
11: MilleFeuille_1 + 12
12: Ciao_1 + 2
13: BarrowTuph_1
14: Trail412_3 + 3
15: Burton_2 + 4
16: Naira_1 + 7
17: Gandalf20_2 + 2
18: Marsha_2
19: BigPaolini_1 + 1
20: McSinger_2
21: Dulcie_1
22: Scowl_2 + 1
23: EnzoK_1
24: MrGordo_1
25: Ruotula_2
26: Graduation_1
27: PhrostyMug_1
28: Peterson_1
29: Big3_1
30: Gyzlar_2 + 3
31: LeeKay_1
32: Magnito_1 + 1
33: Raid_2
34: Sumter_1 + 1
35: Trouble_1
36: Blesser_1
37: Sorpresa_1
38: Makemake_2
39: LilBib_1 + 1
40: AFIS_1
41: Niza_3
42: Ichabod_2
43: Marge_1
44: KSSJEB_1
45: Oogway_1
46: ProMouse_1
47: Smeagol_1
48: Drake94_1 + 3
49: Eaglepride_1
50: Goose_1 + 1

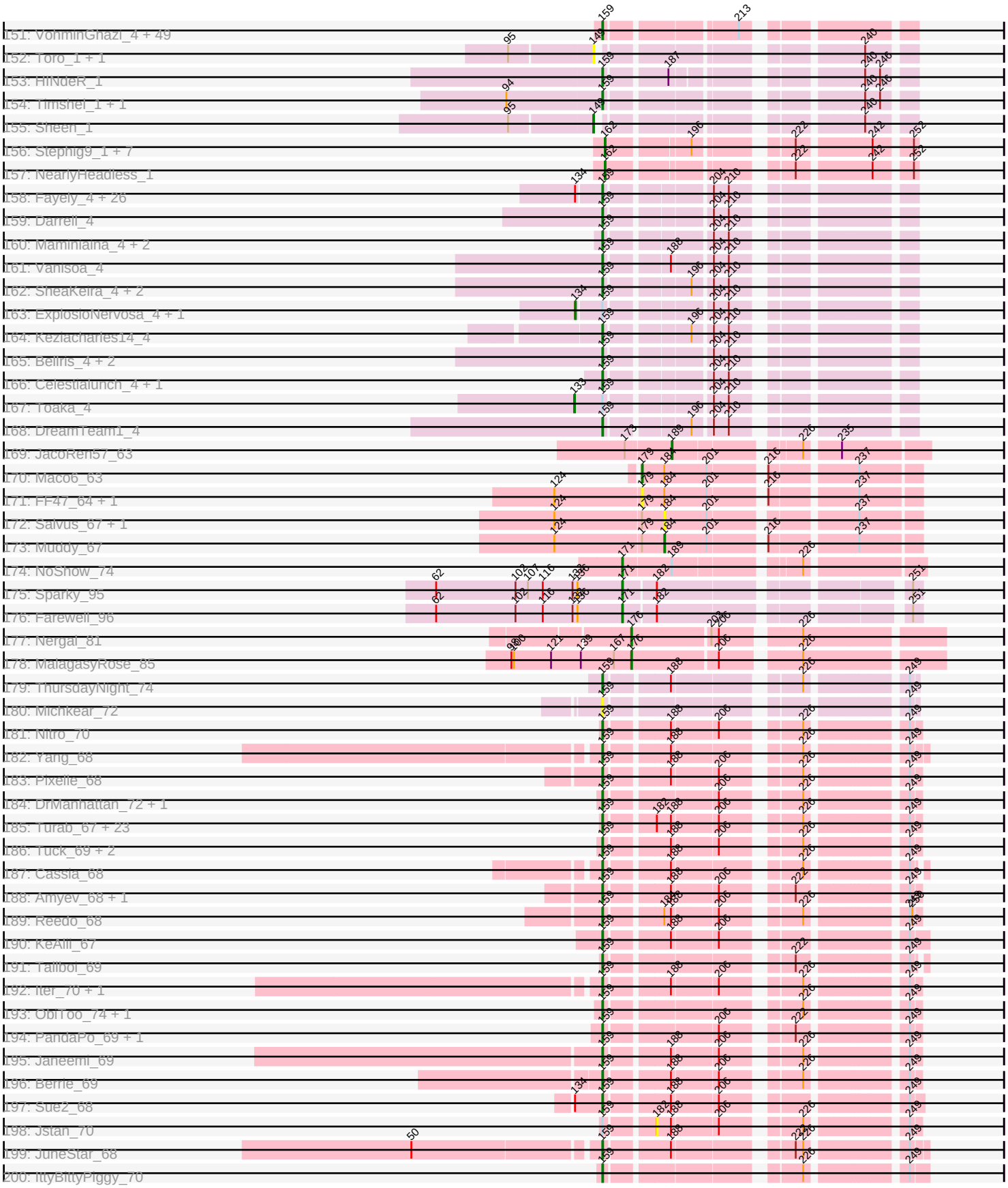
Pham 347012


51: Twister_1 + 3
52: OKCentral2016_1
53: RhynO_1
54: PeaceMeal1_1
55: Rebeuca_2
56: Kristoff_2
57: Sham4_4 + 21
58: Ebony_4 + 2
59: Refuge_4
60: Zimmer_4
61: Steamy_4
62: DarthPhader_4
63: Pharaoh_4
64: SororFago_4
65: Sunhee_4
66: Luchador_4
67: Gail_4
68: Jeeves_4
69: Watts_4 + 16
70: Warrior24_4 + 1
71: Elle_4
72: Nedarya_4
73: Strosahl_4 + 2
74: EagleEye_4 + 2
75: 40AC_5
76: MyraDee_1
77: Kimona_1
78: NicoleTera_4 + 3
79: Journey13_4
80: Adzzy_4
81: AnnaL29_4 + 3
82: Bugsy_5 + 26
83: Flare16_5 + 13
84: Bactobuster_4 + 5
85: DudeLittle_5 + 6
86: Odin_3 + 3
87: Leogania_4 + 1
88: Lokk_5 + 2
89: Changeling_4 + 8
90: StarStuff_4 + 13
91: Phs_4
92: XianYue_4
93: TarsusIV_5
94: Herbertwm_1
95: Larenn_5 + 1
96: Colin_4 + 1
97: Che12_4
98: Kalpine_4
99: GaugeLDP_4 + 5
100: Benvolio_5 + 1

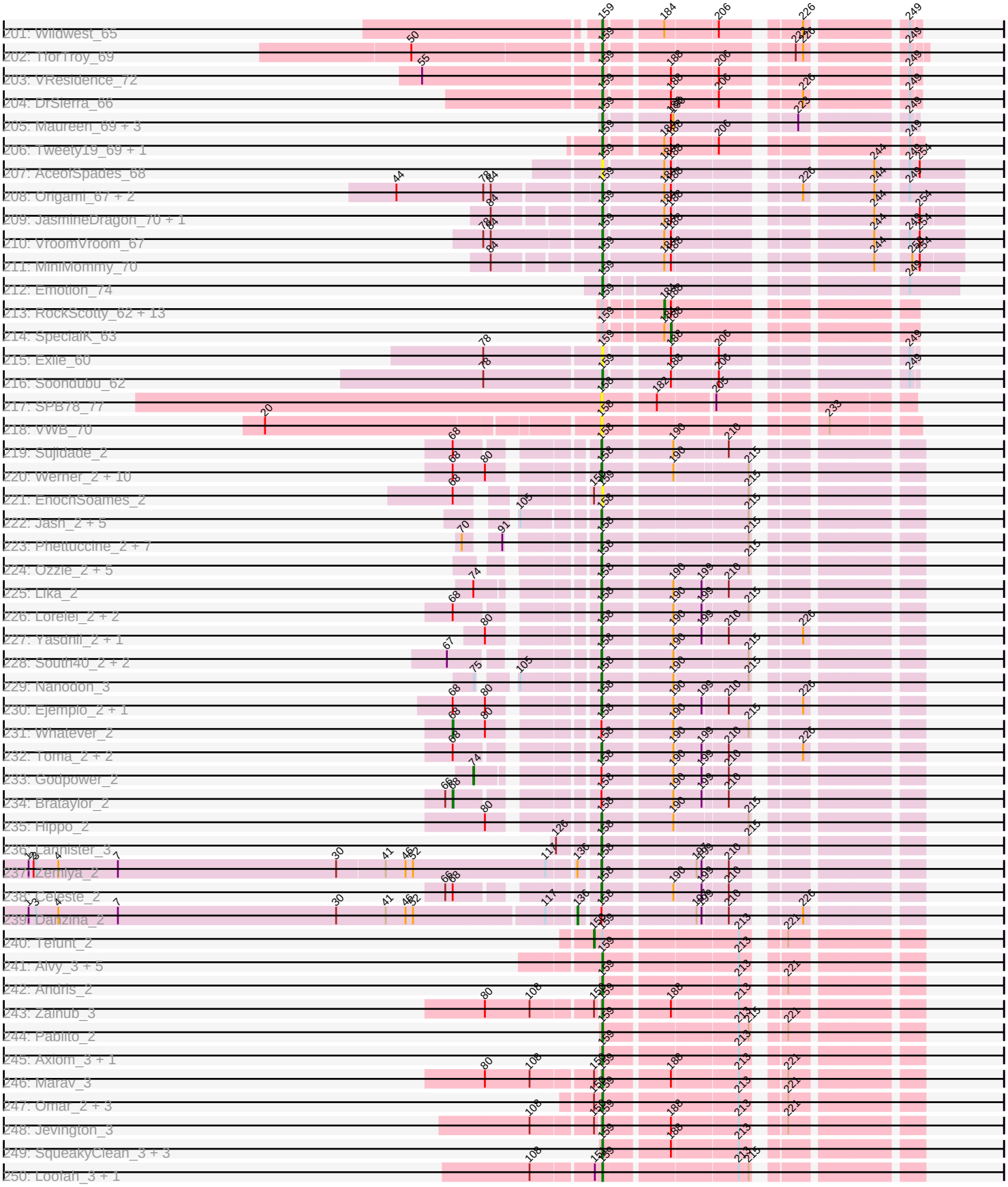
Pham 347012


101: Jsquared_4 + 4
102: LionsBalt_4
103: MissWhite_4
104: HippoHollow_4
105: Iwokeuplikedis_5
106: FatCactus_1
107: Kinmap_4
108: Grub_1 + 35
109: Todacoro_1 + 7
110: GingkoMaracino_1
111: BabyRay_1
112: Giroux_1 + 6
113: JF4_1 + 2
114: Dieselweasel_1 + 27
115: Kalnoky_2 + 6
116: HelDan_1 + 1
117: DropBear_1 + 4
118: Manu_2 + 8
119: Ollie_1
120: Isca_1
121: ACFishhook_1
122: OlanP_1
123: Phantastic_1
124: SoYo_1 + 2
125: MA5_1
126: LittleGuy_1 + 98
127: Datway_1 + 11
128: Pumbaa_1 + 2
129: Cerulean_1
130: SheldonCooper_1
131: Stasia_1
132: Obama12_1
133: AvatarAnPeg_1 + 1
134: Stink_1
135: DirtyDunning_1
136: Cindaradix_1
137: ChampagnePapi_1
138: LHTSCC_1
139: Noelle_1
140: Mundrea_1
141: Aragog_1 + 7
142: Airmid_1
143: Prinashe11_1 + 2
144: Jabiru_1 + 6
145: Coog_1 + 1
146: PickleBack_1 + 2
147: HuntaEnerson15_1
148: UnionJack_87
149: ForGetit_1
150: LittleCherry_1

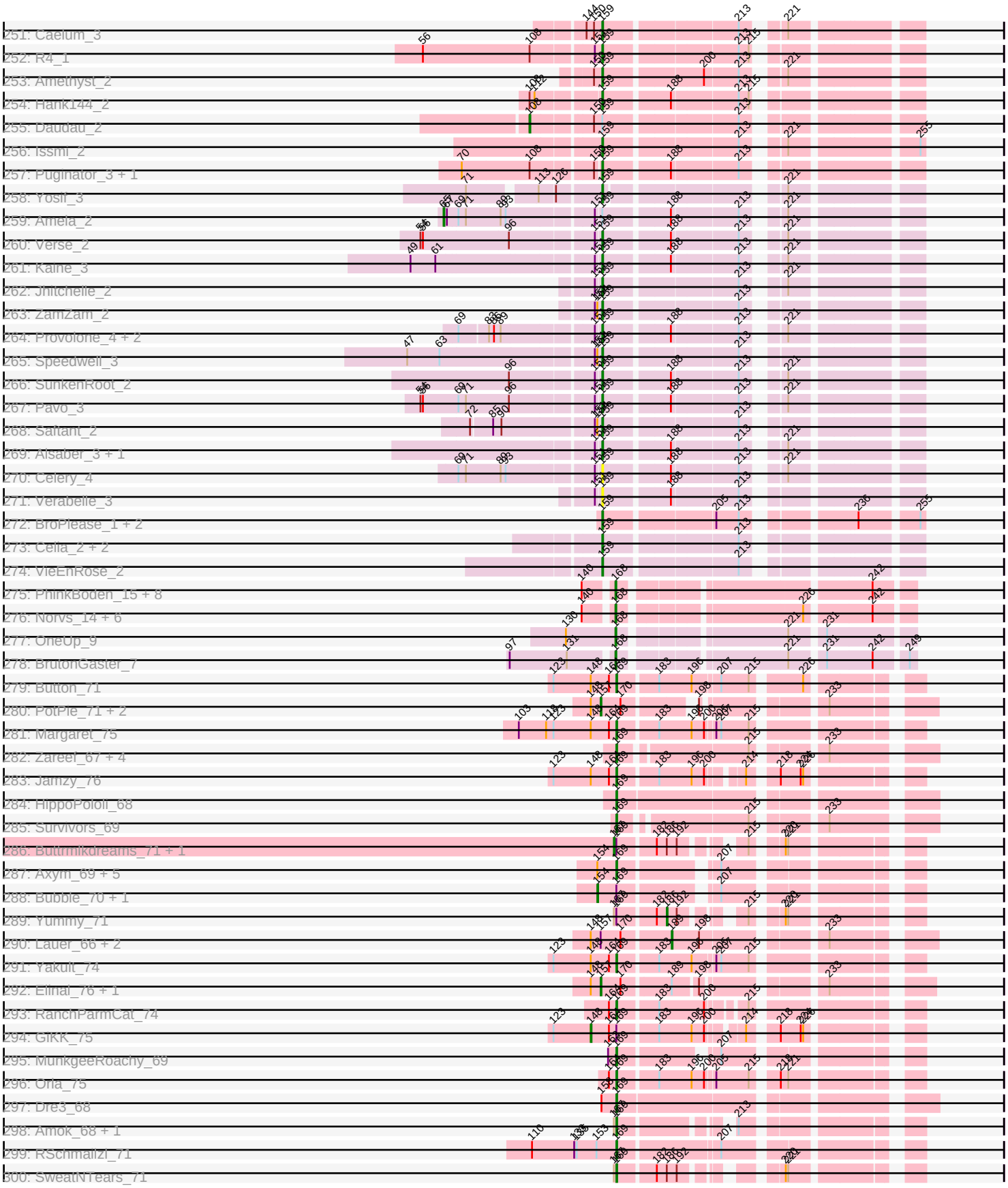
Pham 347012


151: VohminGhazi_4 + 49
152: Toro_1 + 1
153: HiNdeR_1
154: Timshel_1 + 1
155: Sheen_1
156: Stephig9_1 + 7
157: NearlyHeadless_1
158: Fayely_4 + 26
159: Darrell_4
160: Mamiriaina_4 + 2
161: Vanisoa_4
162: SheaKeira_4 + 2
163: ExplosioNervosa_4 + 1
164: KeziachanesI4_4
165: Bellns_4 + 2
166: Celestialunch_4 + 1
167: Toaka_4
168: DreamTeam1_4
169: JacoRen57_63
170: Maco6_63
171: FF47_64 + 1
172: Salvus_67 + 1
173: Muddy_67
174: NoShow_74
175: Sparky_95
176: Farewell_96
177: Nergal_81
178: MalagasyRose_85
179: ThursdayNight_74
180: Michkear_72
181: Nitro_70
182: Yang_68
183: Pixelle_68
184: DrManhattan_72 + 1
185: Turab_67 + 23
186: Tuck_69 + 2
187: Cassia_68
188: Amyev_68 + 1
189: Reedo_68
190: KeAlli_67
191: Tallboi_69
192: Iter_70 + 1
193: ObiToo_74 + 1
194: PandaPo_69 + 1
195: Janeemi_69
196: Berrie_69
197: Sue2_68
198: Jstan_70
199: JuneStar_68
200: IttyBittyPiggy_70

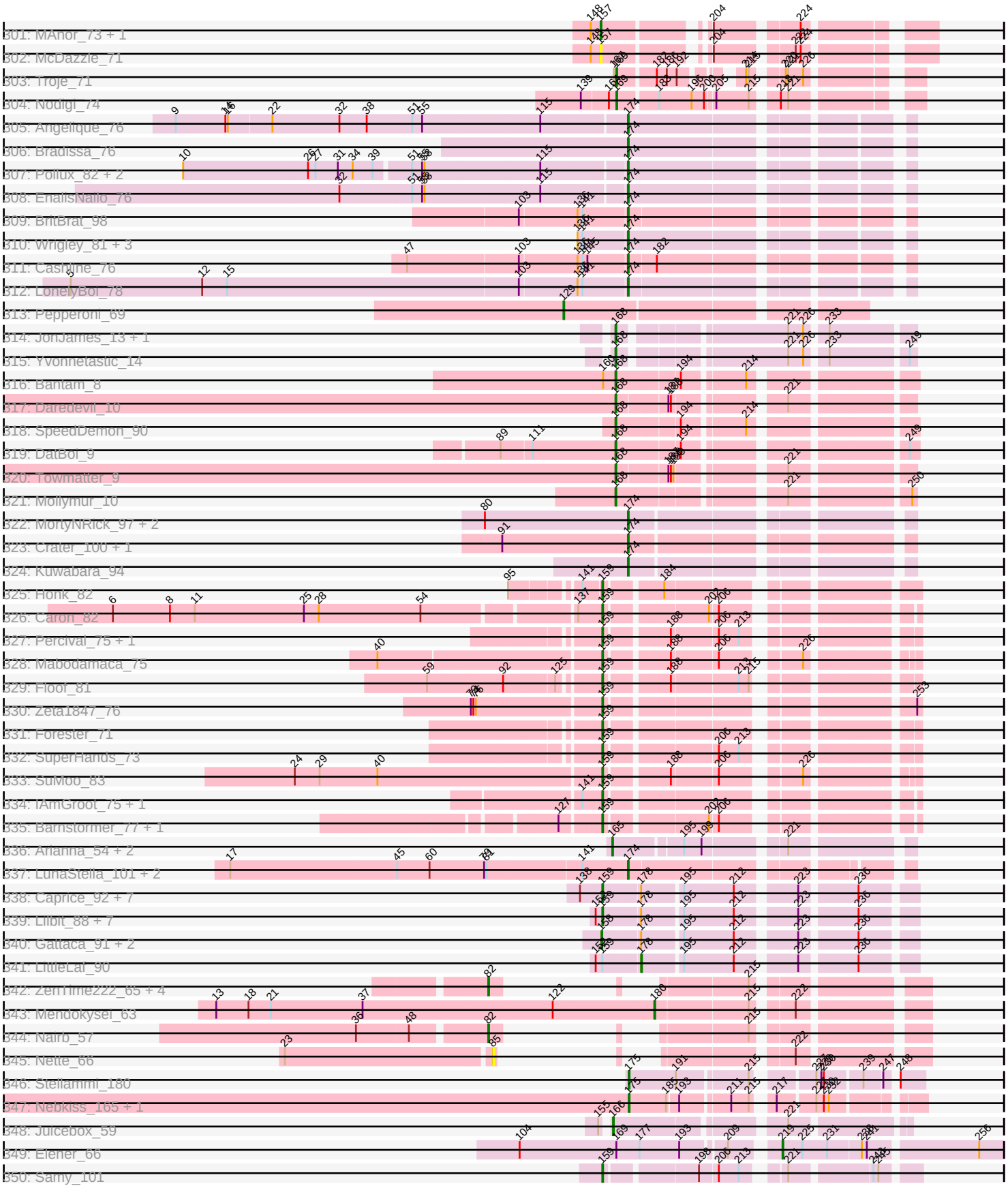
Pham 347012


201: Wildwest_65
202: ThorTroy_69
203: VResidence_72
204: DrSierra_66
205: Maureen_69 + 3
206: Tweety19_69 + 1
207: AceofSpades_68
208: Origami_67 + 2
209: JasmineDragon_70 + 1
210: VroomVroom_67
211: MiniMommy_70
212: Emotion_74
213: RockScotty_62 + 13
214: SpecialK_63
215: Exile_60
216: Soondubu_62
217: SPB78_77
218: VWB_70
219: Sujidade_2
220: Werner_2 + 10
221: EnochSoames_2
222: Jash_2 + 5
223: Phettuccine_2 + 7
224: Ozzie_2 + 5
225: Lika_2
226: Lorelei_2 + 2
227: Yasmil_2 + 1
228: South40_2 + 2
229: Nanodon_3
230: Ejemplo_2 + 1
231: Whatever_2
232: Toma_2 + 2
233: Godpower_2
234: Brataylor_2
235: Hippo_2
236: Lannister_3
237: Zemilya_2
238: Celeste_2
239: Dalzina_2
240: Telunt_2
241: Alvy_3 + 5
242: Andris_2
243: Zainub_3
244: Pablito_2
245: Axiom_3 + 1
246: Marav_3
247: Omar_2 + 3
248: Jevington_3
249: SqueakyClean_3 + 3
250: Loolan_3 + 1

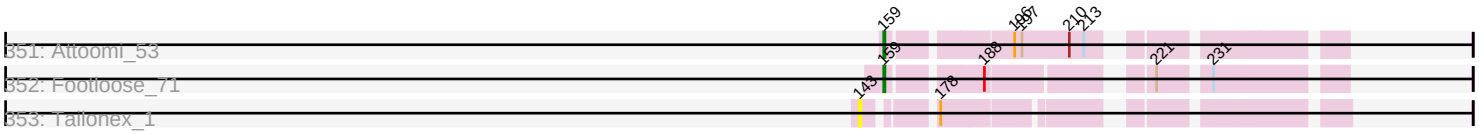
Pham 347012


251: Caelum_3
252: R4_1
253: Amethyst_2
254: Hank144_2
255: Daudau_2
256: Issmi_2
257: Puginator_3 + 1
258: Yosii_3
259: Amela_2
260: Verse_2
261: Kaine_3
262: Jnitchelle_2
263: ZamZam_2
264: Provolone_4 + 2
265: Speedwell_3
266: SunkenRoot_2
267: Pavo_3
268: Saltant_2
269: Alsaber_3 + 1
270: Celery_4
271: Verabelle_3
272: BroPlease_1 + 2
273: Cella_2 + 2
274: VieEnRose_2
275: PhinkBoden_15 + 8
276: Norvs_14 + 6
277: OneUp_9
278: BrutonGaster_7
279: Button_71
280: PotPie_71 + 2
281: Margaret_75
282: Zareef_67 + 4
283: Jamzy_76
284: HippoPololi_68
285: Survivors_69
286: Buttmilkdreams_71 + 1
287: Axym_69 + 5
288: Bubble_70 + 1
289: Yummy_71
290: Lauer_66 + 2
291: Yakult_74
292: Elinal_76 + 1
293: RanchParmCat_74
294: GIKK_75
295: MunkgeeRoachy_69
296: Ona_75
297: Dre3_68
298: Amok_68 + 1
299: RSchmallzl_71
300: SweatNTears_71

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301: MAnor_73 + 1
302: McDazzle_71
303: Troje_71
304: Nodigi_74
305: Angelique_76
306: Bradissa_76
307: Pollux_82 + 2
308: EnalisNallo_76
309: BritBrat_98
310: Wrigley_81 + 3
311: Casiyne_76
312: LonelyBoi_78
313: Pepperoni_69
314: JonJames_13 + 1
315: Yvonnetastic_14
316: Bantam_8
317: Daredevil_10
318: SpeedDemon_90
319: DatBoi_9
320: Towmatter_9
321: Mollymur_10
322: MortyNRick_97 + 2
323: Crater_100 + 1
324: Kuwabara_94
325: Honk_82
326: Caron_82
327: Percival_75 + 1
328: Mabodamaca_75
329: Floof_81
330: Zeta1847_76
331: Forester_71
332: SuperHands_73
333: SuMoo_83
334: IAmGroot_75 + 1
335: Barnstormer_77 + 1
336: Arianna_54 + 2
337: LunaStella_101 + 2
338: Caprice_92 + 7
339: Lilbit_88 + 7
340: Gattaca_91 + 2
341: LittleLar_90
342: ZenTime222_65 + 4
343: Mendokysei_63
344: Nairb_57
345: Nette_66
346: Stellammi_180
347: Nebkiss_165 + 1
348: Juicebox_59
349: Elener_66
350: Samy_101

Pham 347012


351: Attoomi_53
352: Footloose_71
353: Tallonex_1
159
159
143
178
188
196
197
210
213
221
231

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 347012 Report

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

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

Pham number 347012 has 1184 members, 42 are drafts.

Phages represented in each track:
• Track 1 : Zephyr_1, Paphu_1, Hami1_1, Fascinus_1, Bigchungi_1, Solon_1, Rutherferd_1, Bones_1, ShortQueendom_1, Ashballer_1, Mkhuseli_1, Michley_1, Maroc7_1, Snazzy_1, Zeeculate_1, DrFeelGood_1, Marco3_1, CactusRose_1, PhineBark_1, Adahisdi_1, Crispicous1_1, Phlippers_1, Seanderson_1, Ohno789_1, Levia_1, Cueylyss_1, Teodoridan_1, Sunshine924_1, Bigfoot_1, Topgun_1, Wilkins_1, Applejack_1, StewieG_1, Parliament_1, Killigrew_1, SpikeBT_1, Tripl3t_1, Squee_1
• Track 2 : Euphoria_2, Alvin_3, Seabiscuit_2, Abbyshoes_2, Lockley_2, Kenmech_2, Briton15_2, DD5_2, Dussy_2, McGuire_2, BeesKnees_2
• Track 3 : Jerm2_2, Greg_2, Fushigi_2, RidgeCB_2, GrecoEtereo_2, Sagefire_2, Chanagan_2, Corvo_2, Bethlehem_2, BigMau_3, GMonster_2, Pippin_2, BillKnuckles_2, Molly_2, Slagathor_2, PascalRango_2, HermioneGrange_2, JC27_2, Whitspit_2, U2_2, PattyP_2, Lamina13_2, Rufus_2, Petp2012_2, DirtDevil_2, Marchy_2, Payneful_2, MetalQZJ_2, Thor_2, BaconJack_2, KikiBouba_2, Manatee_2, Licorice_2, MaryBeth_2, Treddle_2, Arlo_2, Dynamix_2, Violet_2, Fajezeel_2, Hermia_2, TheloniousMonk_2, Sibs6_2, Buttons_2, Pari_2, NEHalo_2, Monet_2, Noxious_2, Norz_2, Barriga_2, Watermelon_2, Switzer_2, Anglerfish_2, GroundGoblin_2, Aldrich_2, Rhynn_1, Edtherson_2, SarFire_2, HarryOW_2, Arcanine_2, Rubeus_2, Rajelicia_2
• Track 4 : JuliaChild_2, ConceptII_2, PSullivan_2, Bircsak_2, PherrisBueller_2, Tote_2, STLscum_2, PacerPaul_2, Rohr_2, Altman_3, Pepe_2, SkiPole_2, Gompeii16_2, Lopton_2, BPBiebs31_2, Kanely_3, TwoPeat_2, KBG_2, Target_2, Swole_2, Pita2_2, Jasper_2, Francis47_2, Dreamboat_2, Homines_2, Wheeler_2
• Track 5 : Blue_3, Tasp14_2
• Track 6 : Alsfro_2, Carlyle_2
• Track 7 : Ajay_1, Inyanga_1, Iqorha_1, Bexan_1, StrongArm_1, Smairt_1, Mule_1, Aeneas_1, Zeuska_1, Beatrix_1, Perseus_1, Hope4ever_1
• Track 8 : Papez_2
• Track 9 : DreamCatcher_2, Sanya_2, Abrogate_20
• Track 10 : Ringer_1, IgnatiusPatJac_1, BluSpix_1, JackSparrow_1
• Track 11 : MilleFeuille_1, Lesedi_1, Atkinbua_1, KyMonks1A_1, Turj99_1, Kykar_1, Magnar_1, Eyeball_1, LunarLander_1, Bxb1_1, Mryolo_1, Paraselene_1, QTRlifeCrisis_1

• Track 12 : Ciao_1, Nerujay_1, Kugel_1
• Track 13 : BarrowTuph_1
• Track 14 : Traft412_3, Dexes_2, Pelly_2, Acme_2
• Track 15 : Burton_2, Bob3_2, Museum_3, Nhonho_2, MPlant7149_2
• Track 16 : Naira_1, Bruns_1, Fenn_1, Moose_1, PinkPlastic_1, SwissCheese_1, Forsytheast_1, PowerRanger_1
• Track 17 : Gandalf20_2, Espresso_2, Jorgensen_2
• Track 18 : Marsha_2
• Track 19 : BigPaolini_1, Doom_1
• Track 20 : McSinger_2
• Track 21 : Dulcie_1
• Track 22 : Scowl_2, GageAP_2
• Track 23 : EnzoK_1
• Track 24 : MrGordo_1
• Track 25 : Ruotula_2
• Track 26 : Graduation_1
• Track 27 : PhrostyMug_1
• Track 28 : Peterson_1
• Track 29 : Big3_1
• Track 30 : Gyzlar_2, Marcell_2, Petruchio_2, Froghopper_2
• Track 31 : ILeeKay_1
• Track 32 : Magnito_1, Pinto_1
• Track 33 : Raid_2
• Track 34 : Sumter_1, Gwendoluna_1
• Track 35 : Trouble_1
• Track 36 : Blesser_1
• Track 37 : Sorpresa_1
• Track 38 : Makemake_2
• Track 39 : LilBib_1, Puppet_1
• Track 40 : AFIS_1
• Track 41 : Niza_3
• Track 42 : Ichabod_2
• Track 43 : Marge_1
• Track 44 : KSSJEB_1
• Track 45 : Oogway_1
• Track 46 : ProMouse_1
• Track 47 : Smeagol_1
• Track 48 : Drake94_1, Severus_1, Poompha_1, KittenMittens_1
• Track 49 : Eaglepride_1
• Track 50 : Goose_1, Chupacabra_1
• Track 51 : Twister_1, WalterMcMickey_1, Edison31_1, Topanga_1
• Track 52 : OKCentral2016_1
• Track 53 : RhynO_1
• Track 54 : PeaceMeal1_1
• Track 55 : Rebeuca_2
• Track 56 : Kristoff_2
• Track 57 : Sham4_4, Bowtie_4, Flaverint_4, Fibonacci_4, Munch_4, Saskia_4, Lucivia_4, Joselito_4, Gilberta_4, Hutc2_4, TinyTimmy_4, Kimba_4, Mulciber_4, MaCh_4, Aneem_4, Bud_4, Petersenfast_4, Insomnia_4, Salz_4, Timothy_4, Snape_4, Jabith_4
• Track 58 : Ebony_4, Orange_4, Bachome_4
• Track 59 : Refuge_4
• Track 60 : Zimmer_4

• Track 61 : Steamy_4
• Track 62 : DarthPhader_4
• Track 63 : Pharaoh_4
• Track 64 : SororFago_4
• Track 65 : Sunhee_4
• Track 66 : Luchador_4
• Track 67 : Gail_4
• Track 68 : Jeeves_4
• Track 69 : Waits_4, Epsocamisio_4, Nebulosus_4, Ravana_4, Switzerland_4, Battleship_5, Rosalind_4, MinecraftSteve_5, DekHockey33_4, ShayRa_5, JSwag_4, KatherineG_4, Boohoo_4, LastResort_4, ReMo_4, Looper_4, Anaysia_4
• Track 70 : Warrior24_4, Oofda_4
• Track 71 : Elle_4
• Track 72 : Nedarya_4
• Track 73 : Strosahl_4, Soups_4, Remus_4
• Track 74 : EagleEye_4, Lucyedi_4, PainterBoy_4
• Track 75 : 40AC_5
• Track 76 : MyraDee_1
• Track 77 : Kimona_1
• Track 78 : NicoleTera_4, Trixie_4, Chargerpower_5, EZMoney23_4
• Track 79 : Journey13_4
• Track 80 : Adzzy_4
• Track 81 : AnnaL29_4, RedRock_4, Loser_4, CRB1_4
• Track 82 : Bugsy_5, Agape74_5, Dignity_5, SemperFi_5, Smeagan_5, Deloris_4, EvilGenius_5, SnapTap_5, Jerm_5, SweetiePie_5, LadyBird_4, Georgie2_5, LilTurb_5, AN3_4, KingCyrus_5, ChipMunk_5, Crucio_5, BengiVuitton_4, AbbyPaige_5, Power_5, QueenBeesly_5, VA6_4, JoshKayV_5, Leviathan_5, Whabigail7_5, FiringLine_5, Turbido_5
• Track 83 : Flare16_5, Drake55_5, WideWale_5, Centaur_5, Terrific_5, MiculUcigas_5, HarryHoudini_5, Equemioh13_5, Gratitude_5, Piro94_4, NaSiaTalie_5, Sknot_5, Baehexic_5, Updawg_5
• Track 84 : Bactobuster_4, Jaan_4, IronMan_4, Tristan_4, Landor_4, Phaded_4
• Track 85 : DudeLittle_5, Dalmatian_5, Heffalump_5, QueenB2_5, Fameo_5, Retro23_5, Anselm_5
• Track 86 : Odin_3, Caraxes_4, Pukovnik_4, Superchunk_4
• Track 87 : Leogania_4, BiancaTri92_4
• Track 88 : Lokk_5, Rachaly_5, BobSwaget_5
• Track 89 : Changeling_4, DeerParkTS_4, Miko_5, 20ES_4, ArcherNM_4, ForesterFrank_4, Prudy_4, First_004, Anthony_1
• Track 90 : StarStuff_4, Tomathan_4, C3_04, AN9_4, D32_4, Travvers_4, VC3_4, D29_4, Kerberos_4, DBQu4n_4, ANI8_4, Naji_4, Duplo_4, Pomar16_4
• Track 91 : Ph8s_4
• Track 92 : XianYue_4
• Track 93 : TarsusIV_5
• Track 94 : Herbertwm_1
• Track 95 : Larenn_5, Malec_5
• Track 96 : Colin_4, WeiHuaDA_5
• Track 97 : Che12_4
• Track 98 : Kalpine_4
• Track 99 : GaugeLDP_4, Trooper_5, BabyBack_4, Acolyte_4, Yecey3_4, SwirlSquare_4
• Track 100 : Benvolio_5, Echild_5
• Track 101 : Jsquared_4, Koduck_4, TipsytheTRex_4, Serenity_4, L5_4

• Track 102 : LionsBait_4
• Track 103 : MissWhite_4
• Track 104 : HippoHollow_4
• Track 105 : Iwokeuplikedis_5
• Track 106 : FatCactus_1
• Track 107 : Kinmap_4
• Track 108 : Grub_1, Grif_1, Phoxy_1, Snickers_1, Louie6_1, Beauxregard13_1, Spike509_1, Fernando_1, AugsMagnumOpus_3, Bxz2_1, Vix_1, Lilith_1, Microwolf_1, Lowa_1, Aglet_1, Grum1_1, Stagni_1, StepMih_1, Mainiac_1, EpicPhail_1, LarryKay_1, Tiffany_1, Sabinator_1, PGHhamlin_3, MarQuardt_1, GtownJaz_1, Penny1_1, DaHudson_1, Watson_1, Malinsilva_3, KADY_2, Methuselah_1, Anubis_3, Farber_1, Hercules11_1, JHC117_1
• Track 109 : Todacoro_1, Pocahontas_1, ResDef_1, Caviar_1, Hookmount_1, Noella_1, Lambert1_1, Margo_1
• Track 110 : GingkoMaracino_1
• Track 111 : BabyRay_1
• Track 112 : Giroux_1, Clammy_1, Puppy_1, Bugatti_1, TNguyen7_1, Pistachio_1, BlueBird_1
• Track 113 : JF4_1, MK4_1, JF2_1
• Track 114 : Dieselweasel_1, HashRod_2, TinyPebbles_1, Soshari_3, JenCasNa_1, SoilDragon_1, Cullens_1, PotatoSplit_2, MoneyMay_1, Sabia_1, Bigflo_1, MadMarie_1, Colbster_1, Daishi_1, BreSam8_1, AgronaGT15_1, Taurus_1, Zetzy_1, Jobu08_1, Misomonster_3, P28Green_1, LugYA_3, Pembroke_1, Marie_1, LBerry_1, Rummer_1, Wooldri_3, Phoebe_1
• Track 115 : Kalnoky_2, Pawn_1, Calvinny_1, ClownCar_1, PurpleHaze_1, Gemma_1, Heliosoles_1
• Track 116 : HelDan_1, Heathen_1
• Track 117 : DropBear_1, Scout_1, Fred313_1, Kachowdy_1, Roimos_1
• Track 118 : Manu_2, Kalb97_2, JeppNRM_2, Groupthink_2, Reba_2, HaveUMetTed_2, Marius_2, Phranny_2, PhishRPhriends_1
• Track 119 : Ollie_1
• Track 120 : Isca_1
• Track 121 : ACFishhook_1
• Track 122 : OlanP_1
• Track 123 : Phantastic_1
• Track 124 : SoYo_1, Gwennie_1, Croquant_2
• Track 125 : MA5_1
• Track 126 : LittleGuy_1, Huxley_1, Kampy_1, Lorenzo_1, TroyPia_1, Sultana_1, KFPoly_1, Clarenza_1, CentreCat_1, Cintron_1, Ruin_1, Holli_1, Florean_1, Connomayer_1, Kratark_1, Nyxis_1, JoongJeon_1, Phacado_1, Eros_1, Albee_1, Chaph_1, Bombshell_1, LittleB_1, Mazhar510_1, Annyong_1, Kingmustik0402_1, ICleared_1, Avle17_1, Wizard007_1, BellusTerra_1, Koreni_1, Iracema64_1, OKaNui_1, Millski_1, JetBlade_1, Ohfah_1, Relief_1, TygerBlood_1, Gadost_1, Baby16_1, Wilbur_1, Sabertooth_1, SteMason_1, Mayonnaise_1, Iceman_1, Pipcraft_1, Polymorphads_1, Kremtemulon_1, Palestino_1, Medusa_1, Melvin_1, Shygu2_1, YoSam321_1, Citius_1, Sparxx_1, Arturo_86, Taquarus_1, Kyee_1, Cocoaberry_1, Bartimeaus_1, Phontbonne_1, Spino_1, Roosevelt_1, Funston_1, NotAPhaseMom_1, NorthStar_1, RockieBear_1, Dhanush_1, Camperdownii_1, Blackmoor_1, SenorClean_1, Bruiser_1, Maxo_1, TinaFeyge_1, Scamp_1, PeterPeter_1, Koan_1, Houdini22_1, BubbleTrouble_1, Jaykayelowell_1, Lemur_1, Romney_1, Nemo27_1, Nebs_1, Skipitt_1, Eris_1, Flux_1, Druantia_1, Eurydice_1, Thanksgivukkah_1, Broseidon_1, Lunsford_1, Eapen_1, Morrow_1, Happiness_1, Deano_1, Alberto7_1, Wander_1, Abdiel_1

• Track 127 : Datway_1, Cici_1, Wile_1, Badger_1, PetiteSangsue_1, Katalie136_1, Morpher26_1, Bumblebee11_1, Perplexer_1, AbbysRanger_1, Xena_1, Achebe_1
• Track 128 : Pumbaa_1, Phighter1804_1, LochMonster_1
• Track 129 : Cerulean_1
• Track 130 : SheldonCooper_1
• Track 131 : Stasia_1
• Track 132 : Obama12_1
• Track 133 : AvatarAhPeg_1, Miramae_1
• Track 134 : Stink_1
• Track 135 : DirtyDunning_1
• Track 136 : Cindaradix_1
• Track 137 : ChampagnePapi_1
• Track 138 : LHTSCC_1
• Track 139 : Noelle_1
• Track 140 : Mundrea_1
• Track 141 : Aragog_1, Cuco_1, Discoknowium_1, Lev2_1, Milcery_1, Tiger_1, Phlorence_1, Archetta_1
• Track 142 : Airmid_1
• Track 143 : Prinashe11_1, AgentM_1, Twigg_1
• Track 144 : Jabiru_1, Benedict_1, ElTiger69_1, PetterN_1, Chadwick_1, Scorpia_1, Naca_1
• Track 145 : Coog_1, Midas2_1
• Track 146 : PickleBack_1, Jovo_1, Conspiracy_1
• Track 147 : HuhtaEnerson15_1
• Track 148 : UnionJack_87
• Track 149 : ForGetIt_1
• Track 150 : LittleCherry_1
• Track 151 : VohminGhazi_4, Dorothea_4, Anon_4, Indra_4, DaVinci_4, CloudWang3_4, BennyP_4, Helmet_4, Chartreuse_4, Zulu_4, EricB_4, Hoot_4, Artemis2UCLA_4, Gladiator_4, SuperCallie99_4, BABullseye_4, Lilbunny_4, JewelBug_4, Wiks_4, Yokurt_4, Pmask_4, Cookiedough_4, Jeffabunny_4, Tucker_4, McFly_4, SuperAwesome_4, Temprado_4, Koko_4, Gruunaga_4, GreedyLawyer_4, Rifter_4, Kipper29_4, Jordennis_4, Priamo_4, WunderPhul_4, SmellyB_4, Roksolana_4, Hexamo_4, Zaka_4, Hammer_4, BlessJoy_4, Blue7_4, Kazan_4, Newrala_4, Isiphiwo_4, Imbriano_4, Polyphemus_4, Candra_4, Blinn1_4, Neeharika16_4
• Track 152 : Toro_1, FlyCatcher_1
• Track 153 : HINdeR_1
• Track 154 : Timshel_1, DroogsArmy_1
• Track 155 : Sheen_1
• Track 156 : Stephig9_1, Dixon_1, Phillis_1, Smeadley_1, Saintus_1, Astro_1, Roary_1, Caitlin_1
• Track 157 : NearlyHeadless_1
• Track 158 : Fayely_4, RyeScarlet_4, Priya_4, Conquerage_4, Phaeder_4, HortumSL17_4, Eidsmoe_4, Aliter_4, Scherzo_4, Alma_4, Jiawan_4, Pioneer_4, Spouty_4, Hanray_4, EmyBug_4, Tubs_4, Myxus_4, Ayanochan_4, Catalina_4, EdogawaKiddo_4, Beemo_4, Lilleskat_4, Holex_4, PackMan_4, Onglai_4, Phonnegut_4, Sachima_4
• Track 159 : Darrell_4
• Track 160 : Maminiaina_4, LoneWolf_4, Elephantoon_4
• Track 161 : Vanisoa_4
• Track 162 : SheaKeira_4, Klodlith_4, Charm_4
• Track 163 : ExplosioNervosa_4, Qobbit_4

• Track 164 : Keziacharles14_4
• Track 165 : Bellris_4, Rahalelujah_4, BogosyJay_4
• Track 166 : Celestialunch_4, Arissanae_4
• Track 167 : Toaka_4
• Track 168 : DreamTeam1_4
• Track 169 : JacoRen57_63
• Track 170 : Maco6_63
• Track 171 : FF47_64, 8UZL_67
• Track 172 : Salvus_67, LongHai_67
• Track 173 : Muddy_67
• Track 174 : NoShow_74
• Track 175 : Sparky_95
• Track 176 : Farewell_96
• Track 177 : Nergal_81
• Track 178 : MalagasyRose_85
• Track 179 : ThursdayNight_74
• Track 180 : Michkear_72
• Track 181 : Nitro_70
• Track 182 : Yang_68
• Track 183 : Pixelle_68
• Track 184 : DrManhattan_72, Adolin_71
• Track 185 : Turab_67, Adumb2043_68, AEgle_67, Niobe_69, Asa16_69, Tbone_69, Amploria_70, Subaru_68, Cyan_70, Eraser_69, Lizalica_69, JohnDoe_70, Powerpuff_71, Flutur_69, YesChef_69, Mudpuppy_68, Skelbel_70, Lego_69, Joemato_71, Kaylissa_71, London_69, Warda_70, Tutumahutu_71, Elezi_68
• Track 186 : Tuck_69, Community_70, Phives_70
• Track 187 : Cassia_68
• Track 188 : Amyev_68, Tian_67
• Track 189 : Reedo_68
• Track 190 : KeAlii_67
• Track 191 : Tallboi_69
• Track 192 : Iter_70, Ascela_71
• Track 193 : ObiToo_74, Crewmate_74
• Track 194 : PandaPo_69, MissSwiss_70
• Track 195 : Janeemi_69
• Track 196 : Berrie_69
• Track 197 : Sue2_68
• Track 198 : Jstan_70
• Track 199 : JuneStar_68
• Track 200 : IttyBittyPiggy_70
• Track 201 : Wildwest_65
• Track 202 : TforTroy_69
• Track 203 : VResidence_72
• Track 204 : DrSierra_66
• Track 205 : Maureen_69, IUFootball_70, MaGuCo_63, Liebe_69
• Track 206 : Tweety19_69, Snek_68
• Track 207 : AceofSpades_68
• Track 208 : Origami_67, LadyAstra_68, JohnThicc_67
• Track 209 : JasmineDragon_70, ShakeItOph_70
• Track 210 : VroomVroom_67
• Track 211 : MiniMommy_70
• Track 212 : Emotion_74

• Track 213 : RockScotty_62, Mysterium_62, Halsey_63, Donkey_63, Cappuccino_63, Beaupre_62, Stuu_63, Giorgio_62, Ashes_63, Kalimba_63, Gambol_64, Sooty_63, Gumpizza_62, Moss_63
• Track 214 : SpecialK_63
• Track 215 : Exile_60
• Track 216 : Soondubu_62
• Track 217 : SPB78_77
• Track 218 : VWB_70
• Track 219 : Sujidade_2
• Track 220 : Werner_2, TagePhighter_3, BarryBee_3, Triste_2, SarahRose_2, Snorlax_2, Asten_2, Chucky_2, OzzyJ_3, Emaanora_3, Dwayne_2
• Track 221 : EnochSoames_2
• Track 222 : Jash_2, Eddasa_2, Izzy_2, Rusticus_2, BryanRecycles_2, Oliynyk_2
• Track 223 : Phettuccine_2, Esperer_2, Indigo_2, Aaronocolus_2, Unstoppable_2, Bovely_2, Nerdos_2, Leviticus_2
• Track 224 : Ozzie_2, Legacy_2, Hydra_3, Caliburn_2, BeardedLady_2, SunsetPointe_2
• Track 225 : Lika_2
• Track 226 : Lorelei_2, Nabi_2, Rana_2
• Track 227 : Yasdnil_2, Maneekul_2
• Track 228 : South40_2, Katalie_2, RedBear_3
• Track 229 : Nanodon_3
• Track 230 : Ejemplo_2, TuanPN_2
• Track 231 : Whatever_2
• Track 232 : Toma_2, Dattran_2, Goby_2
• Track 233 : Godpower_2
• Track 234 : Brataylor_2
• Track 235 : Hippo_2
• Track 236 : Lannister_3
• Track 237 : Zemlya_2
• Track 238 : Celeste_2
• Track 239 : Danzina_2
• Track 240 : Tefunt_2
• Track 241 : Alvy_3, BartholomewSD_3, TinaBelcher_2, Bowden_2, TrvxScott_2, Thestral_2
• Track 242 : Andris_2
• Track 243 : Zainub_3
• Track 244 : Pablito_2
• Track 245 : Axiom_3, Triumph_3
• Track 246 : Marav_3
• Track 247 : Omar_2, Diane_2, Haizum_2, Nishikigoi_2
• Track 248 : Jevington_3
• Track 249 : SqueakyClean_3, Animus_3, Janus_3, GirlDinner_2
• Track 250 : Loofah_3, Paedore_3
• Track 251 : Caelum_3
• Track 252 : R4_1
• Track 253 : Amethyst_2
• Track 254 : Hank144_2
• Track 255 : Daudau_2
• Track 256 : Issmi_2
• Track 257 : Puginator_3, Paolo_3
• Track 258 : Yosif_3
• Track 259 : Amela_2

• Track 260 : Verse_2
• Track 261 : Kaine_3
• Track 262 : Jhitchelle_2
• Track 263 : ZamZam_2
• Track 264 : Provolone_4, Conan_4, ElGato_4
• Track 265 : Speedwell_3
• Track 266 : SunkenRoot_2
• Track 267 : Pavo_3
• Track 268 : Saftant_2
• Track 269 : Alsaber_3, Sudan_2
• Track 270 : Celery_4
• Track 271 : Verabelle_3
• Track 272 : BroPlease_1, phiHau3_1, GreenWeasel_1
• Track 273 : Celia_2, Itza_2, Urza_2
• Track 274 : VieEnRose_2
• Track 275 : PhinkBoden_15, Cucurbita_13, Bachita_15, ClubL_14, Dusty_13, Culver_13, Geeche_13, Abscondus_13, WilliamBoone_12
• Track 276 : Norvs_14, Smoothie_14, Aphelion_14, Lozinak_14, Miskis_12, Engineer_14, Toniann_14
• Track 277 : OneUp_9
• Track 278 : BrutonGaster_7
• Track 279 : Button_71
• Track 280 : PotPie_71, SummitAcademy_71, Yucky_74
• Track 281 : Margaret_75
• Track 282 : Zareef_67, Azira_67, Wolfwood_67, Nibbles_67, Fribs8_67
• Track 283 : Jamzy_76
• Track 284 : HippoPololi_68
• Track 285 : Survivors_69
• Track 286 : Buttrmlkdreams_71, Horseradish_71
• Track 287 : Axym_69, Socotra_72, Agatha_71, GoldHunter_71, Burnsey_70, Sopespian_68
• Track 288 : Bubble_70, Quasar_71
• Track 289 : Yummy_71
• Track 290 : Lauer_66, Balloona_71, CocoaPuff_70
• Track 291 : Yakult_74
• Track 292 : Elinal_76, KayGee_74
• Track 293 : RanchParmCat_74
• Track 294 : GiKK_75
• Track 295 : MunkgeeRoachy_69
• Track 296 : Orla_75
• Track 297 : Dre3_68
• Track 298 : Amok_68, Emalyn_67
• Track 299 : RSchmailzl_71
• Track 300 : SweatNTears_71
• Track 301 : MAnor_73, Pons_74
• Track 302 : McDazzle_71
• Track 303 : Troje_71
• Track 304 : Nodigi_74
• Track 305 : Angelique_76
• Track 306 : Bradissa_76
• Track 307 : Pollux_82, EMsquaredA_80, Floral_80
• Track 308 : EnalisNailo_76
• Track 309 : BritBrat_98

• Track 310 : Wrigley_81, Jablanski_82, Posh_79, Pytheas_83
• Track 311 : Cashline_76
• Track 312 : LonelyBoi_78
• Track 313 : Pepperoni_69
• Track 314 : JonJames_13, Cardigan_14
• Track 315 : Yvonnetastic_14
• Track 316 : Bantam_8
• Track 317 : Daredevil_10
• Track 318 : SpeedDemon_90
• Track 319 : DatBoi_9
• Track 320 : Towmatter_9
• Track 321 : Mollymur_10
• Track 322 : MortyNRick_97, Birdsong_96, BearBQ_102
• Track 323 : Crater_100, Apricot_101
• Track 324 : Kuwabara_94
• Track 325 : Honk_82
• Track 326 : Caron_82
• Track 327 : Percival_75, Gretchen_74
• Track 328 : Mabodamaca_75
• Track 329 : Floof_81
• Track 330 : Zeta1847_76
• Track 331 : Forester_71
• Track 332 : SuperHands_73
• Track 333 : SuMoo_83
• Track 334 : IAmGroot_75, GardenState_76
• Track 335 : Barnstormer_77, UtzChips_77
• Track 336 : Arianna_54, Poushou_54, TouchMeNot_54
• Track 337 : LunaStella_101, TChen_101, Renaud18_112
• Track 338 : Caprice_92, JoieB_93, Raela_94, RedRaider77_92, VasuNzinga_90, Poise_93, Tesla_88, Blackbeetle_93
• Track 339 : Lilbit_88, Beelzebub_96, Corazon_87, FeliMaine_92, Marvin_86, Clarkson_93, Huphlepuff_94, Pringar_88
• Track 340 : Gattaca_91, GoongGoong_93, MosMoris_88
• Track 341 : LittleLaf_90
• Track 342 : ZenTime222_65, Bernal13_59, Ibrahim_59, RonRayGun_59, Whitty_58
• Track 343 : Mendokysei_63
• Track 344 : Nairb_57
• Track 345 : Nette_66
• Track 346 : Stellammi_180
• Track 347 : Nebkiss_165, Gaia_169
• Track 348 : Juicebox_59
• Track 349 : Elener_66
• Track 350 : Samy_101
• Track 351 : Attoomi_53
• Track 352 : Footloose_71
• Track 353 : Tailonex_1

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

The start number called the most often in the published annotations is 159, it was called in 700 of the 1142 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 20ES_4, 40AC_5, AEgle_67, AN3_4, AN9_4, ANI8_4, AbbyPaige_5, Abbyshoes_2, AceofSpades_68, Acme_2, Acolyte_4, Adahisdi_1, Adolin_71, Adumb2043_68, Adzzy_4, Aeneas_1, Agape74_5, Aglet_1, Ajay_1, Aldrich_2, Aliter_4, Alma_4, Alsaber_3, Alsfro_2, Altman_3, Alvin_3, Alvy_3, Amethyst_2, Amploria_70, Amyev_68, Anaysia_4, Andris_2, Aneem_4, Anglerfish_2, Animus_3, AnnaL29_4, Anon_4, Anselm_5, Anthony_1, Anubis_3, Applejack_1, Arcanine_2, ArcherNM_4, Arissanae_4, Arlo_2, Artemis2UCLA_4, Asa16_69, Ascela_71, Ashballer_1, Atkinbua_1, Attoomi_53, AugsMagnumOpus_3, Axiom_3, Ayanochan_4, BABullseye_4, BPBiebs31_2, BabyBack_4, BabyRay_1, BaconJack_2, Bactobuster_4, Baehexic_5, Barnstormer_77, Barriga_2, BarrowTuph_1, BartholomewSD_3, Battleship_5, Beatrix_1, Beauxregard13_1, Beelzebub_96, Beemo_4, BeesKnees_2, Bellris_4, BengiVuitton_4, BennyP_4, Benvolio_5, Berrie_69, Bethlehem_2, Bexan_1, BiancaTri92_4, Big3_1, BigMau_3, BigPaolini_1, Bigchungi_1, Bigfoot_1, BillKnuckles_2, Bircsak_2, Blackbeetle_93, BlessJoy_4, Blesser_1, Blinn1_4, BluSpix_1, Blue7_4, BlueBird_1, Blue_3, Bob3_2, BobSwaget_5, BogosyJay_4, Bones_1, Boohoo_4, Bowden_2, Bowtie_4, Briton15_2, BroPlease_1, Bruns_1, Bud_4, Bugatti_1, Bugsy_5, Burton_2, Buttons_2, Bxb1_1, Bxz2_1, C3_04, CRB1_4, CactusRose_1, Caelum_3, Candra_4, Caprice_92, Caraxes_4, Carlyle_2, Caron_82, Cassia_68, Catalina_4, Caviar_1, Celery_4, Celestialunch_4, Celia_2, Centaur_5, Chanagan_2, Changeling_4, Chargerpower_5, Charm_4, Chartreuse_4, Che12_4, ChipMunk_5, Ciao_1, Clammy_1, Clarkson_93, CloudWang3_4, Colin_4, Community_70, Conan_4, ConceptII_2, Conquerage_4, Cookiedough_4, Corazon_87, Corvo_2, Crewmate_74, Crispicous1_1, Crucio_5, Cueylyss_1, Cyan_70, D29_4, D32_4, DBQu4n_4, DD5_2, DaHudson_1, DaVinci_4, Dalmatian_5, Darrell_4, DeerParkTS_4, DekHockey33_4, Deloris_4, Dexes_2, Diane_2, Dignity_5, DirtDevil_2, Doom_1, Dorothea_4, DrFeelGood_1, DrManhattan_72, DrSierra_66, Drake55_5, DreamTeam1_4, Dreamboat_2, DroogsArmy_1, DudeLittle_5, Dulcie_1, Duplo_4, Dussy_2, Dynamix_2, EZMoney23_4, EagleEye_4, Echild_5, EdogawaKiddo_4, Edtherson_2, Eidsmoe_4, ElGato_4, Elephantoon_4, Elezi_68, Elle_4, Emotion_74, EmyBug_4, EnochSoames_2, EnzoK_1, EpicPhail_1, Epsocamisio_4, Equemioh13_5, Eraser_69, EricB_4, Espresso_2, Euphoria_2, EvilGenius_5, Exile_60, Eyeball_1, Fajezeel_2, Fameo_5, Farber_1, Fascinus_1, FatCactus_1, Fayely_4, FeliMaine_92, Fenn_1, Fernando_1, Fibonacci_4, FiringLine_5, First_004, Flare16_5, Flaverint_4, Floof_81, Flutur_69, Footloose_71, ForesterFrank_4, Forester_71, Forsytheast_1, Francis47_2, Froghopper_2, Fushigi_2, GMonster_2, GageAP_2, Gail_4, Gandalf20_2, GardenState_76, GaugeLDP_4, Georgie2_5, Gilberta_4, GirlDinner_2, Giroux_1, Gladiator_4, Gompeii16_2, Graduation_1, Gratitude_5, GrecoEtereo_2, GreedyLawyer_4, GreenWeasel_1, Greg_2, Gretchen_74, Grif_1, GroundGoblin_2, Groupthink_2, Grub_1, Grum1_1, Gruunaga_4, GtownJaz_1, Gwendoluna_1, Gyzlar_2, HINdeR_1, Haizum_2, Hami1_1, Hammer_4, Hank144_2, Hanray_4, HarryHoudini_5, HarryOW_2, HaveUMetTed_2, Heffalump_5, Helmet_4, Herbertwm_1, Hercules11_1, Hermia_2, HermioneGrange_2, Hexamo_4, HippoHollow_4, Holex_4, Homines_2, Honk_82, Hookmount_1, Hoot_4, Hope4ever_1, HortumSL17_4, Huphlepuff_94, Hutc2_4, IAmGroot_75, ILeeKay_1, IUFootball_70, Ichabod_2, IgnatiusPatJac_1, Imbriano_4, Indra_4, Insomnia_4, Inyanga_1, Iqorha_1, IronMan_4, Isca_1, Isiphiwo_4, Issmi_2, Iter_70, IttyBittyPiggy_70, Itza_2, Iwokeuplikedis_5, JC27_2, JF2_1, JF4_1, JHC117_1, JSwag_4, Jaan_4, Jabith_4, JackSparrow_1, Janeemi_69, Janus_3,

JasmineDragon_70, Jasper_2, Jeeves_4, Jeffabunny_4, JeppNRM_2, Jerm2_2, Jerm_5, Jevington_3, JewelBug_4, Jhitchelle_2, Jiawan_4, Joemato_71, JohnDoe_70, JohnThicc_67, JoieB_93, Jordennis_4, Jorgensen_2, Joselito_4, JoshKayV_5, Journey13_4, Jsquared_4, JuliaChild_2, JuneStar_68, KADY_2, KBG_2, Kaine_3, Kalb97_2, Kalpine_4, Kanely_3, KatherineG_4, Kaylissa_71, Kazan_4, KeAlii_67, Kenmech_2, Kerberos_4, Keziacharles14_4, KikiBouba_2, Killigrew_1, Kimba_4, Kimona_1, KingCyrus_5, Kipper29_4, Klodlith_4, Koduck_4, Koko_4, Kugel_1, KyMonks1A_1, Kykar_1, L5_4, LadyAstra_68, LadyBird_4, Lambert1_1, Lamina13_2, Landor_4, Larenn_5, LarryKay_1, LastResort_4, Lego_69, Leogania_4, Lesedi_1, Levia_1, Leviathan_5, Licorice_2, Liebe_69, LilBib_1, LilTurb_5, Lilbit_88, Lilbunny_4, Lilith_1, Lilleskat_4, LionsBait_4, Lizalica_69, Lockley_2, Lokk_5, London_69, LoneWolf_4, Loofah_3, Looper_4, Lopton_2, Loser_4, Louie6_1, Lowa_1, Luchador_4, Lucivia_4, Lucyedi_4, LunarLander_1, MA5_1, MK4_1, MPlant7149_2, MaCh_4, MaGuCo_63, Mabodamaca_75, Magnar_1, Mainiac_1, Makemake_2, Malec_5, Malinsilva_3, Maminiaina_4, Manatee_2, Manu_2, MarQuardt_1, Marav_3, Marcell_2, Marchy_2, Marco3_1, Marge_1, Margo_1, Marius_2, Maroc7_1, Marvin_86, MaryBeth_2, Maureen_69, McFly_4, McGuire_2, McSinger_2, MetalQZJ_2, Methuselah_1, Michkear_72, Michley_1, Microwolf_1, MiculUcigas_5, Miko_5, MilleFeuille_1, MinecraftSteve_5, MiniMommy_70, MissSwiss_70, MissWhite_4, Mkhuseli_1, Molly_2, Monet_2, Moose_1, Mryolo_1, Mudpuppy_68, Mulciber_4, Mule_1, Munch_4, Museum_3, Myxus_4, NEHalo_2, NaSiaTalie_5, Naira_1, Naji_4, Nebulosus_4, Nedarya_4, Neeharika16_4, Nerujay_1, Newrala_4, Nhonho_2, NicoleTera_4, Niobe_69, Nishikigoi_2, Nitro_70, Niza_3, Noella_1, Norz_2, Noxious_2, ObiToo_74, Odin_3, Ohno789_1, OlanP_1, Ollie_1, Omar_2, Onglai_4, Oofda_4, Oogway_1, Origami_67, PGHhamlin_3, PSullivan_2, Pablito_2, PacerPaul_2, PackMan_4, Paedore_3, PainterBoy_4, PandaPo_69, Paolo_3, Paphu_1, Paraselene_1, Pari_2, Parliament_1, PascalRango_2, PattyP_2, Pavo_3, Payneful_2, Pelly_2, Penny1_1, Pepe_2, Percival_75, Perseus_1, Petersenfast_4, Peterson_1, Petp2012_2, Petruchio_2, Ph8s_4, Phaded_4, Phaeder_4, PherrisBueller_2, PhineBark_1, PhishRPhriends_1, Phives_70, Phlippers_1, Phonnegut_4, Phoxy_1, Phranny_2, PinkPlastic_1, Pioneer_4, Pippin_2, Piro94_4, Pistachio_1, Pita2_2, Pixelle_68, Pmask_4, Pocahontas_1, Poise_93, Polyphemus_4, Pomar16_4, PowerRanger_1, Power_5, Powerpuff_71, Priamo_4, Pringar_88, Priya_4, Provolone_4, Prudy_4, Puginator_3, Pukovnik_4, Puppet_1, Puppy_1, QTRlifeCrisis_1, QueenB2_5, QueenBeesly_5, R4_1, Rachaly_5, Raela_94, Rahalelujah_4, Raid_2, Rajelicia_2, Ravana_4, ReMo_4, Reba_2, RedRaider77_92, RedRock_4, Reedo_68, Refuge_4, Remus_4, ResDef_1, Retro23_5, Rhynn_1, RidgeCB_2, Rifter_4, Ringer_1, Rohr_2, Roksolana_4, Rosalind_4, Rubeus_2, Rufus_2, Rutherferd_1, RyeScarlet_4, STLscum_2, Sabinator_1, Sachima_4, Saftant_2, Sagefire_2, Salz_4, Samy_101, SarFire_2, Saskia_4, Scherzo_4, Scowl_2, Seabiscuit_2, Seanderson_1, SemperFi_5, Serenity_4, ShakeItOph_70, Sham4_4, ShayRa_5, SheaKeira_4, ShortQueendom_1, Sibs6_2, Skelbel_70, SkiPole_2, Sknot_5, Slagathor_2, Smairt_1, Smeagan_5, Smeagol_1, SmellyB_4, SnapTap_5, Snape_4, Snazzy_1, Snek_68, Snickers_1, Solon_1, Soondubu_62, SororFago_4, Sorpresa_1, Soups_4, Speedwell_3, Spike509_1, SpikeBT_1, Spouty_4, SqueakyClean_3, Squee_1, Stagni_1, StarStuff_4, Steamy_4, StepMih_1, StewieG_1, StrongArm_1, Strosahl_4, SuMoo_83, Subaru_68, Sudan_2, Sue2_68, Sumter_1, Sunhee_4, SunkenRoot_2, Sunshine924_1, SuperAwesome_4, SuperCallie99_4, SuperHands_73, Superchunk_4, SweetiePie_5, SwirlSquare_4, SwissCheese_1, Switzer_2, Switzerland_4, Swole_2, TNguyen7_1, Tallboi_69, Target_2, TarsusIV_5, Tasp14_2, Tbone_69, Temprado_4, Teodoridan_1, Terrific_5, Tesla_88, TforTroy_69, TheloniousMonk_2, Thestral_2, Thor_2, ThursdayNight_74, Tian_67, Tiffany_1,

Timothy_4, Timshel_1, TinaBelcher_2, TinyTimmy_4, TipsytheTRex_4, Todacoro_1, Tomathan_4, Topgun_1, Tote_2, Traft412_3, Travvers_4, Treddle_2, Tripl3t_1, Tristan_4, Triumph_3, Trixie_4, Trooper_5, TrvxScott_2, Tubs_4, Tuck_69, Tucker_4, Turab_67, Turbido_5, Turj99_1, Tutumahutu_71, Tweety19_69, TwoPeat_2, U2_2, Updawg_5, Urza_2, UtzChips_77, VA6_4, VC3_4, VResidence_72, Vanisoa_4, VasuNzinga_90, Verabelle_3, Verse_2, VieEnRose_2, Violet_2, Vix_1, VohminGhazi_4, VroomVroom_67, Waits_4, Warda_70, Warrior24_4, Watermelon_2, Watson_1, WeiHuaDA_5, Whabigail7_5, Wheeler_2, Whitspit_2, WideWale_5, Wiks_4, Wildwest_65, Wilkins_1, WunderPhul_4, XianYue_4, Yang_68, Yecey3_4, YesChef_69, Yokurt_4, Yosif_3, Zainub_3, Zaka_4, ZamZam_2, Zeeculate_1, Zephyr_1, Zeta1847_76, Zeuska_1, Zulu_4, phiHau3_1,

Genes that have the "Most Annotated" start but do not call it:
• ACFishhook_1, AFIS_1, AgronaGT15_1, Amela_2, Ashes_63, Bachome_4, Beaupre_62, Bigflo_1, BreSam8_1, Calvinny_1, Cappuccino_63, ClownCar_1, Colbster_1, Croquant_2, Cullens_1, Daishi_1, Daudau_2, Dieselweasel_1, Donkey_63, Ebony_4, ExplosioNervosa_4, Gambol_64, Gemma_1, GingkoMaracino_1, Giorgio_62, Gumpizza_62, Gwennie_1, Halsey_63, HashRod_2, Heliosoles_1, JenCasNa_1, Jobu08_1, Jstan_70, KSSJEB_1, Kalimba_63, Kalnoky_2, LBerry_1, LittleLaf_90, LugYA_3, MadMarie_1, Magnito_1, Marie_1, Misomonster_3, MoneyMay_1, Moss_63, MrGordo_1, Mysterium_62, Orange_4, P28Green_1, Papez_2, Pawn_1, Pembroke_1, Phoebe_1, PhrostyMug_1, Pinto_1, PotatoSplit_2, ProMouse_1, PurpleHaze_1, Qobbit_4, RockScotty_62, Rummer_1, Sabia_1, SoYo_1, SoilDragon_1, Sooty_63, Soshari_3, SpecialK_63, Stuu_63, Taurus_1, Tefunt_2, TinyPebbles_1, Toaka_4, Trouble_1, Wooldri_3, Zetzy_1,

Genes that do not have the "Most Annotated" start:
• 8UZL_67, Aaronocolus_2, AbbysRanger_1, Abdiel_1, Abrogate_20, Abscondus_13, Achebe_1, Agatha_71, AgentM_1, Airmid_1, Albee_1, Alberto7_1, Amok_68, Angelique_76, Annyong_1, Aphelion_14, Apricot_101, Aragog_1, Archetta_1, Arianna_54, Arturo_86, Asten_2, Astro_1, AvatarAhPeg_1, Avle17_1, Axym_69, Azira_67, Baby16_1, Bachita_15, Badger_1, Balloona_71, Bantam_8, BarryBee_3, Bartimeaus_1, BearBQ_102, BeardedLady_2, BellusTerra_1, Benedict_1, Bernal13_59, Birdsong_96, Blackmoor_1, Bombshell_1, Bovely_2, Bradissa_76, Brataylor_2, BritBrat_98, Broseidon_1, Bruiser_1, BrutonGaster_7, BryanRecycles_2, BubbleTrouble_1, Bubble_70, Bumblebee11_1, Burnsey_70, Button_71, Buttrmlkdreams_71, Caitlin_1, Caliburn_2, Camperdownii_1, Cardigan_14, Cashline_76, Celeste_2, CentreCat_1, Cerulean_1, Chadwick_1, ChampagnePapi_1, Chaph_1, Chucky_2, Chupacabra_1, Cici_1, Cindaradix_1, Cintron_1, Citius_1, Clarenza_1, ClubL_14, CocoaPuff_70, Cocoaberry_1, Connomayer_1, Conspiracy_1, Coog_1, Crater_100, Cuco_1, Cucurbita_13, Culver_13, Danzina_2, Daredevil_10, DarthPhader_4, DatBoi_9, Dattran_2, Datway_1, Deano_1, Dhanush_1, DirtyDunning_1, Discoknowium_1, Dixon_1, Drake94_1, Dre3_68, DreamCatcher_2, DropBear_1, Druantia_1, Dusty_13, Dwayne_2, EMsquaredA_80, Eaglepride_1, Eapen_1, Eddasa_2, Edison31_1, Ejemplo_2, ElTiger69_1, Elener_66, Elinal_76, Emaanora_3, Emalyn_67, EnalisNailo_76, Engineer_14, Eris_1, Eros_1, Esperer_2, Eurydice_1, FF47_64, Farewell_96, Floral_80, Florean_1, Flux_1, FlyCatcher_1, ForGetIt_1, Fred313_1, Fribs8_67, Funston_1, Gadost_1, Gaia_169, Gattaca_91, Geeche_13, GiKK_75, Goby_2, Godpower_2, GoldHunter_71, GoongGoong_93, Goose_1, Happiness_1, Heathen_1, HelDan_1, HippoPololi_68, Hippo_2, Holli_1, Horseradish_71, Houdini22_1, HuhtaEnerson15_1, Huxley_1, Hydra_3, ICleared_1, Ibrahim_59, Iceman_1, Indigo_2, Iracema64_1, Izzy_2, Jabiru_1, Jablanski_82, JacoRen57_63, Jamzy_76, Jash_2, Jaykayelowell_1, JetBlade_1, JonJames_13,

JoongJeon_1, Jovo_1, Juicebox_59, KFPoly_1, Kachowdy_1, Kampy_1, Katalie136_1, Katalie_2, KayGee_74, Kingmustik0402_1, Kinmap_4, KittenMittens_1, Koan_1, Koreni_1, Kratark_1, Kremtemulon_1, Kristoff_2, Kuwabara_94, Kyee_1, LHTSCC_1, Lannister_3, Lauer_66, Legacy_2, Lemur_1, Lev2_1, Leviticus_2, Lika_2, LittleB_1, LittleCherry_1, LittleGuy_1, LochMonster_1, LonelyBoi_78, LongHai_67, Lorelei_2, Lorenzo_1, Lozinak_14, LunaStella_101, Lunsford_1, MAnor_73, Maco6_63, MalagasyRose_85, Maneekul_2, Margaret_75, Marsha_2, Maxo_1, Mayonnaise_1, Mazhar510_1, McDazzle_71, Medusa_1, Melvin_1, Mendokysei_63, Midas2_1, Milcery_1, Millski_1, Miramae_1, Miskis_12, Mollymur_10, Morpher26_1, Morrow_1, MortyNRick_97, MosMoris_88, Muddy_67, Mundrea_1, MunkgeeRoachy_69, MyraDee_1, Nabi_2, Naca_1, Nairb_57, Nanodon_3, NearlyHeadless_1, Nebkiss_165, Nebs_1, Nemo27_1, Nerdos_2, Nergal_81, Nette_66, Nibbles_67, NoShow_74, Nodigi_74, Noelle_1, NorthStar_1, Norvs_14, NotAPhaseMom_1, Nyxis_1, OKCentral2016_1, OKaNui_1, Obama12_1, Ohfah_1, Oliynyk_2, OneUp_9, Orla_75, Ozzie_2, OzzyJ_3, Palestino_1, PeaceMeal1_1, Pepperoni_69, Perplexer_1, PeterPeter_1, PetiteSangsue_1, PetterN_1, Phacado_1, Phantastic_1, Pharaoh_4, Phettuccine_2, Phighter1804_1, Phillis_1, PhinkBoden_15, Phlorence_1, Phontbonne_1, PickleBack_1, Pipcraft_1, Pollux_82, Polymorphads_1, Pons_74, Poompha_1, Posh_79, PotPie_71, Poushou_54, Prinashe11_1, Pumbaa_1, Pytheas_83, Quasar_71, RSchmailzl_71, Rana_2, RanchParmCat_74, Rebeuca_2, RedBear_3, Relief_1, Renaud18_112, RhynO_1, Roary_1, RockieBear_1, Roimos_1, Romney_1, RonRayGun_59, Roosevelt_1, Ruin_1, Ruotula_2, Rusticus_2, SPB78_77, Sabertooth_1, Saintus_1, Salvus_67, Sanya_2, SarahRose_2, Scamp_1, Scorpia_1, Scout_1, SenorClean_1, Severus_1, Sheen_1, SheldonCooper_1, Shygu2_1, Skipitt_1, Smeadley_1, Smoothie_14, Snorlax_2, Socotra_72, Sopespian_68, South40_2, Sparky_95, Sparxx_1, SpeedDemon_90, Spino_1, Stasia_1, SteMason_1, Stellammi_180, Stephig9_1, Stink_1, Sujidade_2, Sultana_1, SummitAcademy_71, SunsetPointe_2, Survivors_69, SweatNTears_71, TChen_101, TagePhighter_3, Tailonex_1, Taquarus_1, Thanksgivukkah_1, Tiger_1, TinaFeyge_1, Toma_2, Toniann_14, Topanga_1, Toro_1, TouchMeNot_54, Towmatter_9, Triste_2, Troje_71, TroyPia_1, TuanPN_2, Twigg_1, Twister_1, TygerBlood_1, UnionJack_87, Unstoppable_2, VWB_70, WalterMcMickey_1, Wander_1, Werner_2, Whatever_2, Whitty_58, Wilbur_1, Wile_1, WilliamBoone_12, Wizard007_1, Wolfwood_67, Wrigley_81, Xena_1, Yakult_74, Yasdnil_2, YoSam321_1, Yucky_74, Yummy_71, Yvonnetastic_14, Zareef_67, Zemlya_2, ZenTime222_65, Zimmer_4,

Summary by start number:

Start 65:
• Found in 1 of 1184 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1142
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amela_2 (BD3),

Start 68:
• Found in 24 of 1184 (2.0%) of genes in pham
• Manual Annotations of this start: 2 of 1142
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Brataylor_2 (BD1), Whatever_2 (BD1),

Start 74:
• Found in 3 of 1184 (0.3%) of genes in pham

• Manual Annotations of this start: 1 of 1142
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Godpower_2 (BD1),

Start 77:
• Found in 10 of 1184 (0.8%) of genes in pham
• Manual Annotations of this start: 2 of 1142
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Heathen_1 (A3), HelDan_1 (A3),

Start 82:
• Found in 6 of 1184 (0.5%) of genes in pham
• Manual Annotations of this start: 6 of 1142
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bernal13_59 (T), Ibrahim_59 (T), Nairb_57 (T), RonRayGun_59 (T), Whitty_58 (T), ZenTime222_65 (T),

Start 85:
• Found in 7 of 1184 (0.6%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Nette_66 (T),

Start 87:
• Found in 10 of 1184 (0.8%) of genes in pham
• Manual Annotations of this start: 2 of 1142
• Called 20.0% of time when present
• Phage (with cluster) where this start called: ChampagnePapi_1 (A4), Stink_1 (A4),

Start 88:
• Found in 2 of 1184 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1142
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Cindaradix_1 (A4),

Start 101:
• Found in 2 of 1184 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1142
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Rebeuca_2 (A10),

Start 108:
• Found in 10 of 1184 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 1142
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Daudau_2 (BD2),

Start 119:
• Found in 82 of 1184 (6.9%) of genes in pham
• Manual Annotations of this start: 5 of 1142
• Called 6.1% of time when present
• Phage (with cluster) where this start called: Magnito_1 (A1), PhrostyMug_1 (A1), Pinto_1 (A1), ProMouse_1 (A1), Trouble_1 (A1),

Start 128:
• Found in 31 of 1184 (2.6%) of genes in pham
• Manual Annotations of this start: 1 of 1142
• Called 3.2% of time when present
• Phage (with cluster) where this start called: Papez_2 (A1),

Start 129:
• Found in 1 of 1184 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1142
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pepperoni_69 (CZ),

Start 133:
• Found in 2 of 1184 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1142
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Toaka_4 (A9),

Start 134:
• Found in 30 of 1184 (2.5%) of genes in pham
• Manual Annotations of this start: 2 of 1142
• Called 6.7% of time when present
• Phage (with cluster) where this start called: ExplosioNervosa_4 (A9), Qobbit_4 (A9),

Start 136:
• Found in 111 of 1184 (9.4%) of genes in pham
• Manual Annotations of this start: 4 of 1142
• Called 3.6% of time when present
• Phage (with cluster) where this start called: AFIS_1 (A1), Danzina_2 (BD1), KSSJEB_1 (A1), MrGordo_1 (A1),

Start 143:
• Found in 4 of 1184 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Tailonex_1 (singleton),

Start 147:
• Found in 6 of 1184 (0.5%) of genes in pham
• Manual Annotations of this start: 2 of 1142
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Cerulean_1 (A4), LHTSCC_1 (A4),

Start 148:
• Found in 17 of 1184 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 1142
• Called 5.9% of time when present
• Phage (with cluster) where this start called: GiKK_75 (CT),

Start 149:
• Found in 11 of 1184 (0.9%) of genes in pham
• Manual Annotations of this start: 6 of 1142

• Called 81.8% of time when present
• Phage (with cluster) where this start called: DropBear_1 (A3), FlyCatcher_1 (A7), Fred313_1 (A3), Kachowdy_1 (A3), Phantastic_1 (A3), Roimos_1 (A3), Scout_1 (A3), Sheen_1 (A7), Toro_1 (A7),

Start 150:
• Found in 116 of 1184 (9.8%) of genes in pham
• Manual Annotations of this start: 52 of 1142
• Called 44.8% of time when present
• Phage (with cluster) where this start called: AgronaGT15_1 (A3), Bigflo_1 (A3), BreSam8_1 (A3), Calvinny_1 (A3), Chupacabra_1 (A10), ClownCar_1 (A3), Colbster_1 (A3), Cullens_1 (A3), Daishi_1 (A3), Dieselweasel_1 (A3), Drake94_1 (A10), Eaglepride_1 (A10), Edison31_1 (A10), Gemma_1 (A3), GingkoMaracino_1 (A3), Goose_1 (A10), HashRod_2 (A3), Heliosoles_1 (A3), JenCasNa_1 (A3), Jobu08_1 (A3), Kalnoky_2 (A3), KittenMittens_1 (A10), Kristoff_2 (A10), LBerry_1 (A3), LugYA_3 (A3), MadMarie_1 (A3), Marie_1 (A3), Misomonster_3 (A3), MoneyMay_1 (A3), OKCentral2016_1 (A10), P28Green_1 (A3), Pawn_1 (A3), PeaceMeal1_1 (A10), Pembroke_1 (A3), Phoebe_1 (A3), Poompha_1 (A10), PotatoSplit_2 (A3), PurpleHaze_1 (A3), RhynO_1 (A10), Rummer_1 (A3), Sabia_1 (A3), Severus_1 (A10), SoilDragon_1 (A3), Soshari_3 (A3), Taurus_1 (A3), Tefunt_2 (BD2), TinyPebbles_1 (A3), Topanga_1 (A10), Twister_1 (A10), WalterMcMickey_1 (A10), Wooldri_3 (A3), Zetzy_1 (A3),

Start 154:
• Found in 33 of 1184 (2.8%) of genes in pham
• Manual Annotations of this start: 2 of 1142
• Called 6.1% of time when present
• Phage (with cluster) where this start called: Bubble_70 (CT), Quasar_71 (CT),

Start 156:
• Found in 32 of 1184 (2.7%) of genes in pham
• Manual Annotations of this start: 31 of 1142
• Called 96.9% of time when present
• Phage (with cluster) where this start called: AgentM_1 (A5), Aragog_1 (A5), Archetta_1 (A5), Benedict_1 (A5), Chadwick_1 (A5), Conspiracy_1 (A5), Coog_1 (A5), Cuco_1 (A5), DarthPhader_4 (A12), Discoknowium_1 (A5), ElTiger69_1 (A5), ForGetIt_1 (A5), HuhtaEnerson15_1 (A5), Jabiru_1 (A5), Jovo_1 (A5), Lev2_1 (A5), LittleCherry_1 (A5), Marsha_2 (A1), Midas2_1 (A5), Milcery_1 (A5), Naca_1 (A5), PetterN_1 (A5), Pharaoh_4 (A12), Phlorence_1 (A5), PickleBack_1 (A5), Prinashe11_1 (A5), Scorpia_1 (A5), Tiger_1 (A5), Twigg_1 (A5), UnionJack_87 (A5), Zimmer_4 (A12),

Start 157:
• Found in 12 of 1184 (1.0%) of genes in pham
• Manual Annotations of this start: 8 of 1142
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Elinal_76 (CT), KayGee_74 (CT), Kinmap_4 (A21), MAnor_73 (CT), McDazzle_71 (CT), Pons_74 (CT), PotPie_71 (CT), SummitAcademy_71 (CT), Yucky_74 (CT),

Start 158:
• Found in 61 of 1184 (5.2%) of genes in pham
• Manual Annotations of this start: 54 of 1142

• Called 91.8% of time when present
• Phage (with cluster) where this start called: Aaronocolus_2 (BD1), Asten_2 (BD1), BarryBee_3 (BD1), BeardedLady_2 (BD1), Bovely_2 (BD1), BryanRecycles_2 (BD1), Caliburn_2 (BD1), Celeste_2 (BD1), Chucky_2 (BD1), Dattran_2 (BD1), Dwayne_2 (BD1), Eddasa_2 (BD1), Ejemplo_2 (BD1), Emaanora_3 (BD1), Esperer_2 (BD1), Gattaca_91 (S), Goby_2 (BD1), GoongGoong_93 (S), Hippo_2 (BD1), Hydra_3 (BD1), Indigo_2 (BD1), Izzy_2 (BD1), Jash_2 (BD1), Katalie_2 (BD1), Lannister_3 (BD1), Legacy_2 (BD1), Leviticus_2 (BD1), Lika_2 (BD1), Lorelei_2 (BD1), Maneekul_2 (BD1), MosMoris_88 (S), Nabi_2 (BD1), Nanodon_3 (BD1), Nerdos_2 (BD1), Oliynyk_2 (BD1), Ozzie_2 (BD1), OzzyJ_3 (BD1), Phettuccine_2 (BD1), Rana_2 (BD1), RedBear_3 (BD1), Rusticus_2 (BD1), SPB78_77 (BA), SarahRose_2 (BD1), Snorlax_2 (BD1), South40_2 (BD1), Sujidade_2 (BD1), SunsetPointe_2 (BD1), TagePhighter_3 (BD1), Toma_2 (BD1), Triste_2 (BD1), TuanPN_2 (BD1), Unstoppable_2 (BD1), VWB_70 (BA), Werner_2 (BD1), Yasdnil_2 (BD1), Zemlya_2 (BD1),

Start 159:
• Found in 800 of 1184 (67.6%) of genes in pham
• Manual Annotations of this start: 700 of 1142
• Called 90.6% of time when present
• Phage (with cluster) where this start called: 20ES_4 (A2), 40AC_5 (A17), AEgle_67 (AZ1), AN3_4 (A2), AN9_4 (A2), ANI8_4 (A2), AbbyPaige_5 (A2), Abbyshoes_2 (A1), AceofSpades_68 (AZ4), Acme_2 (A1), Acolyte_4 (A2), Adahisdi_1 (A1), Adolin_71 (AZ1), Adumb2043_68 (AZ1), Adzzy_4 (A2), Aeneas_1 (A1), Agape74_5 (A2), Aglet_1 (A3), Ajay_1 (A1), Aldrich_2 (A1), Aliter_4 (A9), Alma_4 (A9), Alsaber_3 (BD3), Alsfro_2 (A1), Altman_3 (A1), Alvin_3 (A1), Alvy_3 (BD2), Amethyst_2 (BD2), Amploria_70 (AZ1), Amyev_68 (AZ1), Anaysia_4 (A15), Andris_2 (BD2), Aneem_4 (A11), Anglerfish_2 (A1), Animus_3 (BD2), AnnaL29_4 (A2), Anon_4 (A15), Anselm_5 (A2), Anthony_1 (A20), Anubis_3 (A3), Applejack_1 (A1), Arcanine_2 (A1), ArcherNM_4 (A2), Arissanae_4 (A9), Arlo_2 (A1), Artemis2UCLA_4 (A6), Asa16_69 (AZ1), Ascela_71 (AZ1), Ashballer_1 (A1), Atkinbua_1 (A1), Attoomi_53 (singleton), AugsMagnumOpus_3 (A3), Axiom_3 (BD2), Ayanochan_4 (A9), BABullseye_4 (A6), BPBiebs31_2 (A1), BabyBack_4 (A2), BabyRay_1 (A3), BaconJack_2 (A1), Bactobuster_4 (A2), Baehexic_5 (A2), Barnstormer_77 (EH), Barriga_2 (A1), BarrowTuph_1 (A1), BartholomewSD_3 (BD2), Battleship_5 (A15), Beatrix_1 (A1), Beauxregard13_1 (A3), Beelzebub_96 (S), Beemo_4 (A9), BeesKnees_2 (A1), Bellris_4 (A9), BengiVuitton_4 (A2), BennyP_4 (A6), Benvolio_5 (A2), Berrie_69 (AZ1), Bethlehem_2 (A1), Bexan_1 (A1), BiancaTri92_4 (A2), Big3_1 (A1), BigMau_3 (A1), BigPaolini_1 (A1), Bigchungi_1 (A1), Bigfoot_1 (A1), BillKnuckles_2 (A1), Bircsak_2 (A1), Blackbeetle_93 (S), BlessJoy_4 (A6), Blesser_1 (A1), Blinn1_4 (A6), BluSpix_1 (A1), Blue7_4 (A6), BlueBird_1 (A3), Blue_3 (A1), Bob3_2 (A1), BobSwaget_5 (A2), BogosyJay_4 (A9), Bones_1 (A1), Boohoo_4 (A15), Bowden_2 (BD2), Bowtie_4 (A11), Briton15_2 (A1), BroPlease_1 (BD4), Bruns_1 (A1), Bud_4 (A11), Bugatti_1 (A3), Bugsy_5 (A2), Burton_2 (A1), Buttons_2 (A1), Bxb1_1 (A1), Bxz2_1 (A3), C3_04 (A2), CRB1_4 (A2), CactusRose_1 (A1), Caelum_3 (BD2), Candra_4 (A6), Caprice_92 (S), Caraxes_4 (A2), Carlyle_2 (A1), Caron_82 (EH), Cassia_68 (AZ1), Catalina_4 (A9), Caviar_1 (A3), Celery_4 (BD3), Celestialunch_4 (A9), Celia_2 (BD6), Centaur_5 (A2), Chanagan_2 (A1), Changeling_4 (A2), Chargerpower_5 (A22), Charm_4 (A9), Chartreuse_4 (A6), Che12_4 (A2), ChipMunk_5 (A2), Ciao_1 (A1), Clammy_1 (A3), Clarkson_93 (S), CloudWang3_4 (A6), Colin_4 (A2), Community_70 (AZ1), Conan_4 (BD3), ConceptII_2 (A1), Conquerage_4 (A9), Cookiedough_4 (A6), Corazon_87 (S), Corvo_2 (A1), Crewmate_74 (AZ1), Crispicous1_1 (A1), Crucio_5 (A2), Cueylyss_1 (A1), Cyan_70

(AZ1), D29_4 (A2), D32_4 (A2), DBQu4n_4 (A2), DD5_2 (A1), DaHudson_1 (A3), DaVinci_4 (A6), Dalmatian_5 (A2), Darrell_4 (A9), DeerParkTS_4 (A2), DekHockey33_4 (A15), Deloris_4 (A2), Dexes_2 (A1), Diane_2 (BD2), Dignity_5 (A2), DirtDevil_2 (A1), Doom_1 (A1), Dorothea_4 (A6), DrFeelGood_1 (A1), DrManhattan_72 (AZ1), DrSierra_66 (AZ1), Drake55_5 (A2), DreamTeam1_4 (A9), Dreamboat_2 (A1), DroogsArmy_1 (A7), DudeLittle_5 (A2), Dulcie_1 (A1), Duplo_4 (A2), Dussy_2 (A1), Dynamix_2 (A1), EZMoney23_4 (A2), EagleEye_4 (A16), Echild_5 (A2), EdogawaKiddo_4 (A9), Edtherson_2 (A1), Eidsmoe_4 (A9), ElGato_4 (BD3), Elephantoon_4 (A9), Elezi_68 (AZ1), Elle_4 (A15), Emotion_74 (AZ4), EmyBug_4 (A9), EnochSoames_2 (BD1), EnzoK_1 (A1), EpicPhail_1 (A3), Epsocamisio_4 (A15), Equemioh13_5 (A2), Eraser_69 (AZ1), EricB_4 (A6), Espresso_2 (A1), Euphoria_2 (A1), EvilGenius_5 (A2), Exile_60 (AZ6), Eyeball_1 (A1), Fajezeel_2 (A1), Fameo_5 (A2), Farber_1 (A3), Fascinus_1 (A1), FatCactus_1 (A20), Fayely_4 (A9), FeliMaine_92 (S), Fenn_1 (A1), Fernando_1 (A3), Fibonacci_4 (A11), FiringLine_5 (A2), First_004 (A2), Flare16_5 (A2), Flaverint_4 (A11), Floof_81 (EH), Flutur_69 (AZ), Footloose_71 (singleton), ForesterFrank_4 (A2), Forester_71 (EH), Forsytheast_1 (A1), Francis47_2 (A1), Froghopper_2 (A1), Fushigi_2 (A1), GMonster_2 (A1), GageAP_2 (A1), Gail_4 (A14), Gandalf20_2 (A1), GardenState_76 (EH), GaugeLDP_4 (A2), Georgie2_5 (A2), Gilberta_4 (A11), GirlDinner_2 (BD2), Giroux_1 (A3), Gladiator_4 (A6), Gompeii16_2 (A1), Graduation_1 (A1), Gratitude_5 (A2), GrecoEtereo_2 (A1), GreedyLawyer_4 (A6), GreenWeasel_1 (BD4), Greg_2 (A1), Gretchen_74 (EH), Grif_1 (A3), GroundGoblin_2 (A1), Groupthink_2 (A3), Grub_1 (A3), Grum1_1 (A3), Gruunaga_4 (A6), GtownJaz_1 (A3), Gwendoluna_1 (A1), Gyzlar_2 (A1), HINdeR_1 (A7), Haizum_2 (BD2), Hami1_1 (A1), Hammer_4 (A6), Hank144_2 (BD2), Hanray_4 (A9), HarryHoudini_5 (A2), HarryOW_2 (A1), HaveUMetTed_2 (A3), Heffalump_5 (A2), Helmet_4 (A6), Herbertwm_1 (A2), Hercules11_1 (A3), Hermia_2 (A1), HermioneGrange_2 (A1), Hexamo_4 (A6), HippoHollow_4 (A2), Holex_4 (A9), Homines_2 (A1), Honk_82 (EH), Hookmount_1 (A3), Hoot_4 (A6), Hope4ever_1 (A1), HortumSL17_4 (A9), Huphlepuff_94 (S), Hutc2_4 (A11), IAmGroot_75 (EH), ILeeKay_1 (A1), IUFootball_70 (AZ2), Ichabod_2 (A1), IgnatiusPatJac_1 (A1), Imbriano_4 (A6), Indra_4 (A6), Insomnia_4 (A11), Inyanga_1 (A1), Iqorha_1 (A1), IronMan_4 (A2), Isca_1 (A3), Isiphiwo_4 (A6), Issmi_2 (BD2), Iter_70 (AZ1), IttyBittyPiggy_70 (AZ1), Itza_2 (BD6), Iwokeuplikedis_5 (A2), JC27_2 (A1), JF2_1 (A3), JF4_1 (A3), JHC117_1 (A3), JSwag_4 (A15), Jaan_4 (A2), Jabith_4 (A11), JackSparrow_1 (A1), Janeemi_69 (AZ1), Janus_3 (BD2), JasmineDragon_70 (AZ4), Jasper_2 (A1), Jeeves_4 (A14), Jeffabunny_4 (A6), JeppNRM_2 (A3), Jerm2_2 (A1), Jerm_5 (A2), Jevington_3 (BD2), JewelBug_4 (A6), Jhitchelle_2 (BD3), Jiawan_4 (A9), Joemato_71 (AZ1), JohnDoe_70 (AZ1), JohnThicc_67 (AZ4), JoieB_93 (S), Jordennis_4 (A6), Jorgensen_2 (A1), Joselito_4 (A11), JoshKayV_5 (A2), Journey13_4 (A2), Jsquared_4 (A2), JuliaChild_2 (A1), JuneStar_68 (AZ1), KADY_2 (A3), KBG_2 (A1), Kaine_3 (BD3), Kalb97_2 (A3), Kalpine_4 (A2), Kanely_3 (A1), KatherineG_4 (A15), Kaylissa_71 (AZ1), Kazan_4 (A6), KeAlii_67 (AZ1), Kenmech_2 (A1), Kerberos_4 (A2), Keziacharles14_4 (A9), KikiBouba_2 (A1), Killigrew_1 (A1), Kimba_4 (A11), Kimona_1 (A19), KingCyrus_5 (A2), Kipper29_4 (A6), Klodlith_4 (A9), Koduck_4 (A2), Koko_4 (A6), Kugel_1 (A1), KyMonks1A_1 (A1), Kykar_1 (A1), L5_4 (A2), LadyAstra_68 (AZ4), LadyBird_4 (A2), Lambert1_1 (A3), Lamina13_2 (A1), Landor_4 (A2), Larenn_5 (A2), LarryKay_1 (A3), LastResort_4 (A15), Lego_69 (AZ1), Leogania_4 (A2), Lesedi_1 (A1), Levia_1 (A1), Leviathan_5 (A2), Licorice_2 (A1), Liebe_69 (AZ2), LilBib_1 (A1), LilTurb_5 (A2), Lilbit_88 (S), Lilbunny_4 (A6), Lilith_1 (A3), Lilleskat_4 (A9), LionsBait_4 (A2), Lizalica_69 (AZ1), Lockley_2 (A1), Lokk_5 (A2), London_69 (AZ1), LoneWolf_4 (A9), Loofah_3 (BD2), Looper_4 (A15), Lopton_2 (A1), Loser_4 (A2), Louie6_1 (A3), Lowa_1 (A3), Luchador_4 (A14), Lucivia_4 (A11), Lucyedi_4 (A16), LunarLander_1

(A1), MA5_1 (A3), MK4_1 (A3), MPlant7149_2 (A1), MaCh_4 (A11), MaGuCo_63 (AZ2), Mabodamaca_75 (EH), Magnar_1 (A1), Mainiac_1 (A3), Makemake_2 (A1), Malec_5 (A2), Malinsilva_3 (A3), Maminiaina_4 (A9), Manatee_2 (A1), Manu_2 (A3), MarQuardt_1 (A3), Marav_3 (BD2), Marcell_2 (A1), Marchy_2 (A1), Marco3_1 (A1), Marge_1 (A1), Margo_1 (A3), Marius_2 (A3), Maroc7_1 (A1), Marvin_86 (S), MaryBeth_2 (A1), Maureen_69 (AZ2), McFly_4 (A6), McGuire_2 (A1), McSinger_2 (A1), MetalQZJ_2 (A1), Methuselah_1 (A3), Michkear_72 (AZ), Michley_1 (A1), Microwolf_1 (A3), MiculUcigas_5 (A2), Miko_5 (A2), MilleFeuille_1 (A1), MinecraftSteve_5 (A15), MiniMommy_70 (AZ4), MissSwiss_70 (AZ1), MissWhite_4 (A2), Mkhuseli_1 (A1), Molly_2 (A1), Monet_2 (A1), Moose_1 (A1), Mryolo_1 (A1), Mudpuppy_68 (AZ1), Mulciber_4 (A11), Mule_1 (A1), Munch_4 (A11), Museum_3 (A1), Myxus_4 (A9), NEHalo_2 (A1), NaSiaTalie_5 (A2), Naira_1 (A1), Naji_4 (A2), Nebulosus_4 (A15), Nedarya_4 (A15), Neeharika16_4 (A6), Nerujay_1 (A1), Newrala_4 (A6), Nhonho_2 (A1), NicoleTera_4 (A2), Niobe_69 (AZ1), Nishikigoi_2 (BD2), Nitro_70 (AZ1), Niza_3 (A1), Noella_1 (A3), Norz_2 (A1), Noxious_2 (A1), ObiToo_74 (AZ1), Odin_3 (A2), Ohno789_1 (A1), OlanP_1 (A3), Ollie_1 (A3), Omar_2 (BD2), Onglai_4 (A9), Oofda_4 (A15), Oogway_1 (A1), Origami_67 (AZ4), PGHhamlin_3 (A3), PSullivan_2 (A1), Pablito_2 (BD2), PacerPaul_2 (A1), PackMan_4 (A9), Paedore_3 (BD2), PainterBoy_4 (A16), PandaPo_69 (AZ1), Paolo_3 (BD2), Paphu_1 (A1), Paraselene_1 (A1), Pari_2 (A1), Parliament_1 (A1), PascalRango_2 (A1), PattyP_2 (A1), Pavo_3 (BD3), Payneful_2 (A1), Pelly_2 (A1), Penny1_1 (A3), Pepe_2 (A1), Percival_75 (EH), Perseus_1 (A1), Petersenfast_4 (A11), Peterson_1 (A1), Petp2012_2 (A1), Petruchio_2 (A1), Ph8s_4 (A2), Phaded_4 (A2), Phaeder_4 (A9), PherrisBueller_2 (A1), PhineBark_1 (A1), PhishRPhriends_1 (A3), Phives_70 (AZ1), Phlippers_1 (A1), Phonnegut_4 (A9), Phoxy_1 (A3), Phranny_2 (A3), PinkPlastic_1 (A1), Pioneer_4 (A9), Pippin_2 (A1), Piro94_4 (A2), Pistachio_1 (A3), Pita2_2 (A1), Pixelle_68 (AZ1), Pmask_4 (A6), Pocahontas_1 (A3), Poise_93 (S), Polyphemus_4 (A6), Pomar16_4 (A2), PowerRanger_1 (A1), Power_5 (A2), Powerpuff_71 (AZ1), Priamo_4 (A6), Pringar_88 (S), Priya_4 (A9), Provolone_4 (BD3), Prudy_4 (A2), Puginator_3 (BD2), Pukovnik_4 (A2), Puppet_1 (A1), Puppy_1 (A3), QTRlifeCrisis_1 (A1), QueenB2_5 (A2), QueenBeesly_5 (A2), R4_1 (BD2), Rachaly_5 (A2), Raela_94 (S), Rahalelujah_4 (A9), Raid_2 (A1), Rajelicia_2 (A1), Ravana_4 (A15), ReMo_4 (A15), Reba_2 (A3), RedRaider77_92 (S), RedRock_4 (A2), Reedo_68 (AZ1), Refuge_4 (A12), Remus_4 (A15), ResDef_1 (A3), Retro23_5 (A2), Rhynn_1 (A1), RidgeCB_2 (A1), Rifter_4 (A6), Ringer_1 (A1), Rohr_2 (A1), Roksolana_4 (A6), Rosalind_4 (A15), Rubeus_2 (A1), Rufus_2 (A1), Rutherferd_1 (A1), RyeScarlet_4 (A9), STLscum_2 (A1), Sabinator_1 (A3), Sachima_4 (A9), Saftant_2 (BD3), Sagefire_2 (A1), Salz_4 (A11), Samy_101 (singleton), SarFire_2 (A1), Saskia_4 (A11), Scherzo_4 (A9), Scowl_2 (A1), Seabiscuit_2 (A1), Seanderson_1 (A1), SemperFi_5 (A2), Serenity_4 (A2), ShakeItOph_70 (AZ4), Sham4_4 (A11), ShayRa_5 (A15), SheaKeira_4 (A9), ShortQueendom_1 (A1), Sibs6_2 (A1), Skelbel_70 (AZ1), SkiPole_2 (A1), Sknot_5 (A2), Slagathor_2 (A1), Smairt_1 (A1), Smeagan_5 (A2), Smeagol_1 (A1), SmellyB_4 (A6), SnapTap_5 (A2), Snape_4 (A11), Snazzy_1 (A1), Snek_68 (AZ3), Snickers_1 (A3), Solon_1 (A1), Soondubu_62 (AZ6), SororFago_4 (A14), Sorpresa_1 (A1), Soups_4 (A15), Speedwell_3 (BD3), Spike509_1 (A3), SpikeBT_1 (A1), Spouty_4 (A9), SqueakyClean_3 (BD2), Squee_1 (A1), Stagni_1 (A3), StarStuff_4 (A2), Steamy_4 (A12), StepMih_1 (A3), StewieG_1 (A1), StrongArm_1 (A1), Strosahl_4 (A15), SuMoo_83 (EH), Subaru_68 (AZ1), Sudan_2 (BD3), Sue2_68 (AZ1), Sumter_1 (A1), Sunhee_4 (A14), SunkenRoot_2 (BD3), Sunshine924_1 (A1), SuperAwesome_4 (A6), SuperCallie99_4 (A6), SuperHands_73 (EH), Superchunk_4 (A2), SweetiePie_5 (A2), SwirlSquare_4 (A2), SwissCheese_1 (A1), Switzer_2 (A1), Switzerland_4 (A15), Swole_2 (A1), TNguyen7_1 (A3), Tallboi_69 (AZ1), Target_2 (A1), TarsusIV_5 (A2),

Tasp14_2 (A1), Tbone_69 (AZ1), Temprado_4 (A6), Teodoridan_1 (A1), Terrific_5 (A2), Tesla_88 (S), TforTroy_69 (AZ1), TheloniousMonk_2 (A1), Thestral_2 (BD2), Thor_2 (A1), ThursdayNight_74 (AZ), Tian_67 (AZ1), Tiffany_1 (A3), Timothy_4 (A11), Timshel_1 (A7), TinaBelcher_2 (BD2), TinyTimmy_4 (A11), TipsytheTRex_4 (A2), Todacoro_1 (A3), Tomathan_4 (A2), Topgun_1 (A1), Tote_2 (A1), Traft412_3 (A1), Travvers_4 (A2), Treddle_2 (A1), Tripl3t_1 (A1), Tristan_4 (A2), Triumph_3 (BD2), Trixie_4 (A2), Trooper_5 (A2), TrvxScott_2 (BD2), Tubs_4 (A9), Tuck_69 (AZ1), Tucker_4 (A6), Turab_67 (AZ1), Turbido_5 (A2), Turj99_1 (A1), Tutumahutu_71 (AZ1), Tweety19_69 (AZ3), TwoPeat_2 (A1), U2_2 (A1), Updawg_5 (A2), Urza_2 (BD6), UtzChips_77 (EH), VA6_4 (A2), VC3_4 (A2), VResidence_72 (AZ1), Vanisoa_4 (A9), VasuNzinga_90 (S), Verabelle_3 (BD3), Verse_2 (BD3), VieEnRose_2 (BD6), Violet_2 (A1), Vix_1 (A3), VohminGhazi_4 (A6), VroomVroom_67 (AZ4), Waits_4 (A15), Warda_70 (AZ1), Warrior24_4 (A15), Watermelon_2 (A1), Watson_1 (A3), WeiHuaDA_5 (A2), Whabigail7_5 (A2), Wheeler_2 (A1), Whitspit_2 (A1), WideWale_5 (A2), Wiks_4 (A6), Wildwest_65 (AZ1), Wilkins_1 (A1), WunderPhul_4 (A6), XianYue_4 (A2), Yang_68 (AZ1), Yecey3_4 (A9), YesChef_69 (AZ1), Yokurt_4 (A6), Yosif_3 (BD3), Zainub_3 (BD2), Zaka_4 (A6), ZamZam_2 (BD3), Zeeculate_1 (A1), Zephyr_1 (A1), Zeta1847_76 (EH), Zeuska_1 (A1), Zulu_4 (A6), phiHau3_1 (BD4),

Start 161:
• Found in 1 of 1184 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1142
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MyraDee_1 (A18),

Start 162:
• Found in 9 of 1184 (0.8%) of genes in pham
• Manual Annotations of this start: 9 of 1142
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Astro_1 (A8), Caitlin_1 (A8), Dixon_1 (A8), NearlyHeadless_1 (A8), Phillis_1 (A8), Roary_1 (A8), Saintus_1 (A8), Smeadley_1 (A8), Stephig9_1 (A8),

Start 165:
• Found in 3 of 1184 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 1142
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arianna_54 (EO), Poushou_54 (EO), TouchMeNot_54 (EO),

Start 166:
• Found in 1 of 1184 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1142
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Juicebox_59 (singleton),

Start 167:
• Found in 17 of 1184 (1.4%) of genes in pham
• Manual Annotations of this start: 3 of 1142
• Called 17.6% of time when present
• Phage (with cluster) where this start called: Airmid_1 (A5), Buttrmlkdreams_71 (CT), Horseradish_71 (CT),

Start 168:
• Found in 27 of 1184 (2.3%) of genes in pham
• Manual Annotations of this start: 26 of 1142
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_13 (CQ1), Aphelion_14 (CQ1), Bachita_15 (CQ1), Bantam_8 (DL), BrutonGaster_7 (CQ2), Cardigan_14 (DD), ClubL_14 (CQ1), Cucurbita_13 (CQ1), Culver_13 (CQ1), Daredevil_10 (DL), DatBoi_9 (DL), Dusty_13 (CQ1), Engineer_14 (CQ1), Geeche_13 (CQ1), JonJames_13 (DD), Lozinak_14 (CQ1), Miskis_12 (CQ1), Mollymur_10 (DL), Norvs_14 (CQ1), OneUp_9 (CQ2), PhinkBoden_15 (CQ1), Smoothie_14 (CQ1), SpeedDemon_90 (DL), Toniann_14 (CQ1), Towmatter_9 (DL), WilliamBoone_12 (CQ1), Yvonnetastic_14 (DD),

Start 169:
• Found in 34 of 1184 (2.9%) of genes in pham
• Manual Annotations of this start: 27 of 1142
• Called 79.4% of time when present
• Phage (with cluster) where this start called: Agatha_71 (CT), Amok_68 (CT), Axym_69 (CT), Azira_67 (CT), Burnsey_70 (CT), Button_71 (CT), Dre3_68 (CT), Emalyn_67 (CT), Fribs8_67 (CT), GoldHunter_71 (CT), HippoPololi_68 (CT), Jamzy_76 (CT), Margaret_75 (CT), MunkgeeRoachy_69 (CT), Nibbles_67 (CT), Nodigi_74 (CT), Orla_75 (CT), RSchmailzl_71 (CT), RanchParmCat_74 (CT), Socotra_72 (CT), Sopespian_68 (CT), Survivors_69 (CT), SweatNTears_71 (CT), Troje_71 (CT), Wolfwood_67 (CT), Yakult_74 (CT), Zareef_67 (CT),

Start 171:
• Found in 3 of 1184 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 1142
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Farewell_96 (AF), NoShow_74 (AB), Sparky_95 (AF),

Start 172:
• Found in 4 of 1184 (0.3%) of genes in pham
• Manual Annotations of this start: 4 of 1142
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abrogate_20 (A1), DreamCatcher_2 (A1), Ruotula_2 (A1), Sanya_2 (A1),

Start 174:
• Found in 22 of 1184 (1.9%) of genes in pham
• Manual Annotations of this start: 22 of 1142
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Angelique_76 (CY1), Apricot_101 (DN3), BearBQ_102 (DN), Birdsong_96 (DN), Bradissa_76 (CY1), BritBrat_98 (CY2), Cashline_76 (CY6), Crater_100 (DN3), EMsquaredA_80 (CY1), EnalisNailo_76 (CY1), Floral_80 (CY1), Jablanski_82 (CY3), Kuwabara_94 (DN4), LonelyBoi_78 (CY7), LunaStella_101 (F4), MortyNRick_97 (DN), Pollux_82 (CY1), Posh_79 (CY4), Pytheas_83 (CY3), Renaud18_112 (F4), TChen_101 (F4), Wrigley_81 (CY4),

Start 175:
• Found in 3 of 1184 (0.3%) of genes in pham

• Manual Annotations of this start: 3 of 1142
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gaia_169 (X), Nebkiss_165 (X), Stellammi_180 (UNK),

Start 176:
• Found in 2 of 1184 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 1142
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MalagasyRose_85 (AG), Nergal_81 (AG),

Start 178:
• Found in 49 of 1184 (4.1%) of genes in pham
• Manual Annotations of this start: 4 of 1142
• Called 8.2% of time when present
• Phage (with cluster) where this start called: Bachome_4 (A11), Ebony_4 (A11), LittleLaf_90 (S), Orange_4 (A11),

Start 179:
• Found in 6 of 1184 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 1142
• Called 50.0% of time when present
• Phage (with cluster) where this start called: 8UZL_67 (AB), FF47_64 (AB), Maco6_63 (AB),

Start 180:
• Found in 1 of 1184 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1142
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mendokysei_63 (T),

Start 182:
• Found in 34 of 1184 (2.9%) of genes in pham
• No Manual Annotations of this start.
• Called 2.9% of time when present
• Phage (with cluster) where this start called: Jstan_70 (AZ1),

Start 184:
• Found in 34 of 1184 (2.9%) of genes in pham
• Manual Annotations of this start: 15 of 1142
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Ashes_63 (AZ5), Beaupre_62 (AZ5), Cappuccino_63 (AZ5), Donkey_63 (AZ5), Gambol_64 (AZ5), Giorgio_62 (AZ5), Gumpizza_62 (AZ5), Halsey_63 (AZ5), Kalimba_63 (AZ5), LongHai_67 (AB), Moss_63 (AZ5), Muddy_67 (AB), Mysterium_62 (AZ5), RockScotty_62 (AZ5), Salvus_67 (AB), Sooty_63 (AZ5), Stuu_63 (AZ5),

Start 186:
• Found in 5 of 1184 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 1142
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Yummy_71 (CT),

Start 188:
• Found in 327 of 1184 (27.6%) of genes in pham
• Manual Annotations of this start: 126 of 1142
• Called 38.8% of time when present
• Phage (with cluster) where this start called: ACFishhook_1 (A3), AbbysRanger_1 (A4), Abdiel_1 (A4), Achebe_1 (A4), Albee_1 (A4), Alberto7_1 (A4), Annyong_1 (A4), Arturo_86 (A4), AvatarAhPeg_1 (A4), Avle17_1 (A4), Baby16_1 (A4), Badger_1 (A4), Bartimeaus_1 (A4), BellusTerra_1 (A4), Blackmoor_1 (A4), Bombshell_1 (A4), Broseidon_1 (A4), Bruiser_1 (A4), BubbleTrouble_1 (A4), Bumblebee11_1 (A4), Camperdownii_1 (A4), CentreCat_1 (A4), Chaph_1 (A4), Cici_1 (A4), Cintron_1 (A4), Citius_1 (A4), Clarenza_1 (A4), Cocoaberry_1 (A4), Connomayer_1 (A4), Croquant_2 (A3), Datway_1 (A4), Deano_1 (A4), Dhanush_1 (A4), DirtyDunning_1 (A4), Druantia_1 (A4), Eapen_1 (A4), Eris_1 (A4), Eros_1 (A4), Eurydice_1 (A4), Florean_1 (A4), Flux_1 (A4), Funston_1 (A4), Gadost_1 (A4), Gwennie_1 (A3), Happiness_1 (A4), Holli_1 (A4), Houdini22_1 (A4), Huxley_1 (A4), ICleared_1 (A4), Iceman_1 (A4), Iracema64_1 (A4), Jaykayelowell_1 (A4), JetBlade_1 (A4), JoongJeon_1 (A4), KFPoly_1 (A4), Kampy_1 (A4), Katalie136_1 (A4), Kingmustik0402_1 (A4), Koan_1 (A4), Koreni_1 (A4), Kratark_1 (A4), Kremtemulon_1 (A4), Kyee_1 (A4), Lemur_1 (A4), LittleB_1 (A4), LittleGuy_1 (A4), LochMonster_1 (A4), Lorenzo_1 (A4), Lunsford_1 (A4), Maxo_1 (A4), Mayonnaise_1 (A4), Mazhar510_1 (A4), Medusa_1 (A4), Melvin_1 (A4), Millski_1 (A4), Miramae_1 (A4), Morpher26_1 (A4), Morrow_1 (A4), Mundrea_1 (A4), Nebs_1 (A4), Nemo27_1 (A4), Noelle_1 (A4), NorthStar_1 (A4), NotAPhaseMom_1 (A4), Nyxis_1 (A4), OKaNui_1 (A4), Obama12_1 (A4), Ohfah_1 (A4), Palestino_1 (A4), Perplexer_1 (A4), PeterPeter_1 (A4), PetiteSangsue_1 (A4), Phacado_1 (A4), Phighter1804_1 (A4), Phontbonne_1 (A4), Pipcraft_1 (A4), Polymorphads_1 (A4), Pumbaa_1 (A4), Relief_1 (A4), RockieBear_1 (A4), Romney_1 (A4), Roosevelt_1 (A4), Ruin_1 (A4), Sabertooth_1 (A4), Scamp_1 (A4), SenorClean_1 (A4), SheldonCooper_1 (A4), Shygu2_1 (A4), Skipitt_1 (A4), SoYo_1 (A3), Sparxx_1 (A4), SpecialK_63 (AZ5), Spino_1 (A4), Stasia_1 (A4), SteMason_1 (A4), Sultana_1 (A4), Taquarus_1 (A4), Thanksgivukkah_1 (A4), TinaFeyge_1 (A4), TroyPia_1 (A4), TygerBlood_1 (A4), Wander_1 (A4), Wilbur_1 (A4), Wile_1 (A4), Wizard007_1 (A4), Xena_1 (A4), YoSam321_1 (A4),

Start 189:
• Found in 7 of 1184 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 1142
• Called 57.1% of time when present
• Phage (with cluster) where this start called: Balloona_71 (CT), CocoaPuff_70 (CT), JacoRen57_63 (AB), Lauer_66 (CT),

Start 219:
• Found in 1 of 1184 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1142
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elener_66 (singleton),

Summary by clusters:

There are 60 clusters represented in this pham: DN, singleton, BA, DD, DL, DN3, A7, CY1, CY6, A15, A14, A17, A16, A11, A10, A12, AF, A19, A18, A1, BD4, A3, A2, A5, A4, BD3, BD2, A9, BD1, CQ1, CY3, CY2, EO, AB, CY7, EH, AG, CY4, A6, CZ, S, T, CQ2, X, UNK, CT, A20, A21, A22, DN4, F4, AZ, A8, BD6, AZ1, AZ2, AZ3, AZ4, AZ5,

AZ6,

Info for manual annotations of cluster A1:
•Start number 119 was manually annotated 5 times for cluster A1.
•Start number 128 was manually annotated 1 time for cluster A1.
•Start number 136 was manually annotated 3 times for cluster A1.
•Start number 156 was manually annotated 1 time for cluster A1.
•Start number 159 was manually annotated 214 times for cluster A1.
•Start number 172 was manually annotated 4 times for cluster A1.

Info for manual annotations of cluster A10:
•Start number 101 was manually annotated 1 time for cluster A10.
•Start number 150 was manually annotated 15 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 159 was manually annotated 22 times for cluster A11.
•Start number 178 was manually annotated 3 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 156 was manually annotated 3 times for cluster A12.
•Start number 159 was manually annotated 2 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 159 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 159 was manually annotated 25 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 159 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:
•Start number 161 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:
•Start number 159 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 159 was manually annotated 116 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 159 was manually annotated 2 times for cluster A20.

Info for manual annotations of cluster A21:
•Start number 157 was manually annotated 1 time for cluster A21.

Info for manual annotations of cluster A22:
•Start number 159 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 77 was manually annotated 2 times for cluster A3.
•Start number 149 was manually annotated 5 times for cluster A3.

•Start number 150 was manually annotated 36 times for cluster A3.
•Start number 159 was manually annotated 68 times for cluster A3.
•Start number 188 was manually annotated 3 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 87 was manually annotated 2 times for cluster A4.
•Start number 88 was manually annotated 1 time for cluster A4.
•Start number 147 was manually annotated 2 times for cluster A4.
•Start number 188 was manually annotated 122 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 156 was manually annotated 27 times for cluster A5.
•Start number 167 was manually annotated 1 time for cluster A5.

Info for manual annotations of cluster A6:
•Start number 159 was manually annotated 49 times for cluster A6.

Info for manual annotations of cluster A7:
•Start number 149 was manually annotated 1 time for cluster A7.
•Start number 159 was manually annotated 3 times for cluster A7.

Info for manual annotations of cluster A8:
•Start number 162 was manually annotated 9 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 133 was manually annotated 1 time for cluster A9.
•Start number 134 was manually annotated 2 times for cluster A9.
•Start number 159 was manually annotated 42 times for cluster A9.

Info for manual annotations of cluster AB:
•Start number 171 was manually annotated 1 time for cluster AB.
•Start number 179 was manually annotated 1 time for cluster AB.
•Start number 184 was manually annotated 1 time for cluster AB.
•Start number 189 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster AF:
•Start number 171 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:
•Start number 176 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AZ:
•Start number 159 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:
•Start number 159 was manually annotated 47 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 159 was manually annotated 4 times for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 159 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:
•Start number 159 was manually annotated 8 times for cluster AZ4.

Info for manual annotations of cluster AZ5:
•Start number 184 was manually annotated 14 times for cluster AZ5.
•Start number 188 was manually annotated 1 time for cluster AZ5.

Info for manual annotations of cluster AZ6:
•Start number 159 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BD1:
•Start number 68 was manually annotated 2 times for cluster BD1.
•Start number 74 was manually annotated 1 time for cluster BD1.
•Start number 136 was manually annotated 1 time for cluster BD1.
•Start number 158 was manually annotated 51 times for cluster BD1.

Info for manual annotations of cluster BD2:
•Start number 108 was manually annotated 1 time for cluster BD2.
•Start number 150 was manually annotated 1 time for cluster BD2.
•Start number 159 was manually annotated 30 times for cluster BD2.

Info for manual annotations of cluster BD3:
•Start number 65 was manually annotated 1 time for cluster BD3.
•Start number 159 was manually annotated 14 times for cluster BD3.

Info for manual annotations of cluster BD4:
•Start number 159 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:
•Start number 159 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster CQ1:
•Start number 168 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 168 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CT:
•Start number 148 was manually annotated 1 time for cluster CT.
•Start number 154 was manually annotated 2 times for cluster CT.
•Start number 157 was manually annotated 7 times for cluster CT.
•Start number 167 was manually annotated 2 times for cluster CT.
•Start number 169 was manually annotated 27 times for cluster CT.
•Start number 186 was manually annotated 1 time for cluster CT.
•Start number 189 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster CY1:
•Start number 174 was manually annotated 6 times for cluster CY1.

Info for manual annotations of cluster CY2:
•Start number 174 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:
•Start number 174 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:
•Start number 174 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY6:
•Start number 174 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:
•Start number 174 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster CZ:
•Start number 129 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster DD:
•Start number 168 was manually annotated 3 times for cluster DD.

Info for manual annotations of cluster DL:
•Start number 168 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DN:
•Start number 174 was manually annotated 3 times for cluster DN.

Info for manual annotations of cluster DN3:
•Start number 174 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:
•Start number 174 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster EH:
•Start number 159 was manually annotated 14 times for cluster EH.

Info for manual annotations of cluster EO:
•Start number 165 was manually annotated 3 times for cluster EO.

Info for manual annotations of cluster F4:
•Start number 174 was manually annotated 3 times for cluster F4.

Info for manual annotations of cluster S:
•Start number 158 was manually annotated 3 times for cluster S.
•Start number 159 was manually annotated 16 times for cluster S.
•Start number 178 was manually annotated 1 time for cluster S.

Info for manual annotations of cluster T:
•Start number 82 was manually annotated 6 times for cluster T.
•Start number 180 was manually annotated 1 time for cluster T.

Info for manual annotations of cluster UNK:
•Start number 175 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster X:
•Start number 175 was manually annotated 2 times for cluster X.

Gene Information:

Gene: 20ES_4 Start: 2483, Stop: 2779, Start Num: 159
Candidate Starts for 20ES_4:
(Start: 159 @2483 has 700 MA's),

Gene: 40AC_5 Start: 2296, Stop: 2592, Start Num: 159
Candidate Starts for 40AC_5:
(Start: 159 @2296 has 700 MA's), (208, 2413),

Gene: 8UZL_67 Start: 46153, Stop: 46452, Start Num: 179
Candidate Starts for 8UZL_67:
(124, 46051), (Start: 179 @46153 has 1 MA's), (Start: 184 @46180 has 15 MA's), (201, 46231), (216, 46288), (237, 46384),

Gene: ACFishhook_1 Start: 596, Stop: 823, Start Num: 188
Candidate Starts for ACFishhook_1:
(Start: 150 @521 has 52 MA's), (Start: 159 @530 has 700 MA's), (Start: 188 @596 has 126 MA's),

Gene: AEgle_67 Start: 42706, Stop: 43008, Start Num: 159
Candidate Starts for AEgle_67:
(Start: 159 @42706 has 700 MA's), (182, 42757), (Start: 188 @42772 has 126 MA's), (206, 42823), (226, 42898), (249, 42997),

Gene: AFIS_1 Start: 572, Stop: 895, Start Num: 136
Candidate Starts for AFIS_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 159 @599 has 700 MA's), (Start: 178 @632 has 4 MA's), (210, 722), (234, 812), (242, 848),

Gene: AN3_4 Start: 2464, Stop: 2760, Start Num: 159
Candidate Starts for AN3_4:
(Start: 159 @2464 has 700 MA's), (210, 2587),

Gene: AN9_4 Start: 2344, Stop: 2640, Start Num: 159
Candidate Starts for AN9_4:
(Start: 159 @2344 has 700 MA's),

Gene: ANI8_4 Start: 2344, Stop: 2640, Start Num: 159
Candidate Starts for ANI8_4:
(Start: 159 @2344 has 700 MA's),

Gene: Aaronocolus_2 Start: 740, Stop: 1054, Start Num: 158
Candidate Starts for Aaronocolus_2:
(70, 629), (91, 656), (Start: 158 @740 has 54 MA's), (215, 896),

Gene: AbbyPaige_5 Start: 2538, Stop: 2834, Start Num: 159
Candidate Starts for AbbyPaige_5:
(Start: 159 @2538 has 700 MA's), (210, 2661),

Gene: AbbysRanger_1 Start: 542, Stop: 769, Start Num: 188

Candidate Starts for AbbysRanger_1:
(Start: 188 @542 has 126 MA's), (213, 608), (242, 728),

Gene: Abbyshoes_2 Start: 758, Stop: 1054, Start Num: 159
Candidate Starts for Abbyshoes_2:
(Start: 159 @758 has 700 MA's), (210, 881), (224, 935), (234, 971), (242, 1007),

Gene: Abdiel_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Abdiel_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Abrogate_20 Start: 1334, Stop: 1624, Start Num: 172
Candidate Starts for Abrogate_20:
(19, 899), (35, 1016), (78, 1172), (84, 1181), (85, 1184), (Start: 172 @1334 has 4 MA's), (181, 1361), (234, 1541), (242, 1577),

Gene: Abscondus_13 Start: 3104, Stop: 3412, Start Num: 168
Candidate Starts for Abscondus_13:
(140, 3074), (Start: 168 @3104 has 26 MA's), (242, 3368),

Gene: AceofSpades_68 Start: 43114, Stop: 43479, Start Num: 159
Candidate Starts for AceofSpades_68:
(Start: 159 @43114 has 700 MA's), (Start: 184 @43183 has 15 MA's), (Start: 188 @43189 has 126 MA's), (244, 43384), (249, 43414), (254, 43426),

Gene: Achebe_1 Start: 542, Stop: 769, Start Num: 188
Candidate Starts for Achebe_1:
(Start: 188 @542 has 126 MA's), (213, 608), (242, 728),

Gene: Acme_2 Start: 781, Stop: 1089, Start Num: 159
Candidate Starts for Acme_2:
(Start: 159 @781 has 700 MA's), (210, 904), (234, 994), (242, 1030),

Gene: Acolyte_4 Start: 2122, Stop: 2418, Start Num: 159
Candidate Starts for Acolyte_4:
(Start: 159 @2122 has 700 MA's),

Gene: Adahisdi_1 Start: 600, Stop: 896, Start Num: 159
Candidate Starts for Adahisdi_1:
(Start: 119 @537 has 5 MA's), (Start: 136 @573 has 4 MA's), (142, 582), (Start: 159 @600 has 700 MA's), (210, 723), (234, 813), (242, 849),

Gene: Adolin_71 Start: 42654, Stop: 42956, Start Num: 159
Candidate Starts for Adolin_71:
(Start: 159 @42654 has 700 MA's), (206, 42771), (226, 42846), (249, 42945),

Gene: Adumb2043_68 Start: 42731, Stop: 43033, Start Num: 159
Candidate Starts for Adumb2043_68:
(Start: 159 @42731 has 700 MA's), (182, 42782), (Start: 188 @42797 has 126 MA's), (206, 42848), (226, 42923), (249, 43022),

Gene: Adzzy_4 Start: 2160, Stop: 2456, Start Num: 159
Candidate Starts for Adzzy_4:

(Start: 159 @2160 has 700 MA's), (221, 2328), (228, 2355),

Gene: Aeneas_1 Start: 595, Stop: 891, Start Num: 159
Candidate Starts for Aeneas_1:
(Start: 119 @532 has 5 MA's), (Start: 136 @568 has 4 MA's), (142, 577), (Start: 154 @592 has 2 MA's), (Start: 159 @595 has 700 MA's), (210, 718), (234, 808), (242, 844),

Gene: Agape74_5 Start: 2538, Stop: 2834, Start Num: 159
Candidate Starts for Agape74_5:
(Start: 159 @2538 has 700 MA's), (210, 2661),

Gene: Agatha_71 Start: 46233, Stop: 46523, Start Num: 169
Candidate Starts for Agatha_71:
(Start: 154 @46212 has 2 MA's), (Start: 169 @46233 has 27 MA's), (207, 46332),

Gene: AgentM_1 Start: 504, Stop: 803, Start Num: 156
Candidate Starts for AgentM_1:
(64, 372), (Start: 156 @504 has 31 MA's), (204, 612), (222, 684), (240, 753), (252, 798),

Gene: Aglet_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Aglet_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: AgronaGT15_1 Start: 518, Stop: 820, Start Num: 150
Candidate Starts for AgronaGT15_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: Airmid_1 Start: 517, Stop: 801, Start Num: 167
Candidate Starts for Airmid_1:
(Start: 156 @502 has 31 MA's), (Start: 167 @517 has 3 MA's), (204, 610), (240, 751), (252, 796),

Gene: Ajay_1 Start: 596, Stop: 892, Start Num: 159
Candidate Starts for Ajay_1:
(Start: 119 @533 has 5 MA's), (Start: 136 @569 has 4 MA's), (142, 578), (Start: 154 @593 has 2 MA's), (Start: 159 @596 has 700 MA's), (210, 719), (234, 809), (242, 845),

Gene: Albee_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Albee_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Alberto7_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Alberto7_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Aldrich_2 Start: 750, Stop: 1046, Start Num: 159
Candidate Starts for Aldrich_2:
(Start: 159 @750 has 700 MA's), (210, 873), (234, 963), (242, 999),

Gene: Aliter_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for Aliter_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Alma_4 Start: 2333, Stop: 2626, Start Num: 159

Candidate Starts for Alma_4:
(Start: 134 @2306 has 2 MA's), (Start: 159 @2333 has 700 MA's), (204, 2435), (210, 2453),

Gene: Alsaber_3 Start: 970, Stop: 1284, Start Num: 159
Candidate Starts for Alsaber_3:
(151, 964), (Start: 159 @970 has 700 MA's), (Start: 188 @1039 has 126 MA's), (213, 1114), (221, 1147),

Gene: Alsfro_2 Start: 778, Stop: 1083, Start Num: 159
Candidate Starts for Alsfro_2:
(146, 763), (Start: 159 @778 has 700 MA's), (210, 901), (224, 955), (234, 991), (242, 1027),

Gene: Altman_3 Start: 1297, Stop: 1593, Start Num: 159
Candidate Starts for Altman_3:
(Start: 128 @1249 has 1 MA's), (Start: 159 @1297 has 700 MA's), (210, 1420), (234, 1510), (242, 1546),

Gene: Alvin_3 Start: 1213, Stop: 1509, Start Num: 159
Candidate Starts for Alvin_3:
(Start: 159 @1213 has 700 MA's), (210, 1336), (224, 1390), (234, 1426), (242, 1462),

Gene: Alvy_3 Start: 740, Stop: 1054, Start Num: 159
Candidate Starts for Alvy_3:
(Start: 159 @740 has 700 MA's), (213, 884),

Gene: Amela_2 Start: 787, Stop: 1275, Start Num: 65
Candidate Starts for Amela_2:
(Start: 65 @787 has 1 MA's), (67, 790), (69, 802), (71, 811), (89, 853), (93, 859), (151, 955), (Start: 159 @961 has 700 MA's), (Start: 188 @1030 has 126 MA's), (213, 1105), (221, 1138),

Gene: Amethyst_2 Start: 650, Stop: 964, Start Num: 159
Candidate Starts for Amethyst_2:
(Start: 150 @641 has 52 MA's), (Start: 159 @650 has 700 MA's), (200, 755), (213, 794), (221, 827),

Gene: Amok_68 Start: 44983, Stop: 45258, Start Num: 169
Candidate Starts for Amok_68:
(Start: 167 @44980 has 3 MA's), (Start: 169 @44983 has 27 MA's), (213, 45088),

Gene: Amploria_70 Start: 42910, Stop: 43212, Start Num: 159
Candidate Starts for Amploria_70:
(Start: 159 @42910 has 700 MA's), (182, 42961), (Start: 188 @42976 has 126 MA's), (206, 43027), (226, 43102), (249, 43201),

Gene: Amyev_68 Start: 43916, Stop: 44218, Start Num: 159
Candidate Starts for Amyev_68:
(Start: 159 @43916 has 700 MA's), (Start: 188 @43982 has 126 MA's), (206, 44033), (222, 44099), (249, 44207),

Gene: Anaysia_4 Start: 2278, Stop: 2574, Start Num: 159
Candidate Starts for Anaysia_4:
(Start: 159 @2278 has 700 MA's), (196, 2368),

Gene: Andris_2 Start: 682, Stop: 996, Start Num: 159

Candidate Starts for Andris_2:
(Start: 159 @682 has 700 MA's), (213, 826), (221, 859),

Gene: Aneem_4 Start: 2356, Stop: 2652, Start Num: 159
Candidate Starts for Aneem_4:
(Start: 159 @2356 has 700 MA's), (Start: 178 @2389 has 4 MA's), (196, 2446), (252, 2647),

Gene: Angelique_76 Start: 50625, Stop: 50915, Start Num: 174
Candidate Starts for Angelique_76:
(9, 50097), (14, 50157), (16, 50160), (22, 50208), (32, 50289), (38, 50322), (51, 50376), (55, 50388), (115, 50526), (Start: 174 @50625 has 22 MA's),

Gene: Anglerfish_2 Start: 747, Stop: 1043, Start Num: 159
Candidate Starts for Anglerfish_2:
(Start: 159 @747 has 700 MA's), (210, 870), (234, 960), (242, 996),

Gene: Animus_3 Start: 1027, Stop: 1341, Start Num: 159
Candidate Starts for Animus_3:
(Start: 159 @1027 has 700 MA's), (Start: 188 @1096 has 126 MA's), (213, 1171),

Gene: AnnaL29_4 Start: 2278, Stop: 2574, Start Num: 159
Candidate Starts for AnnaL29_4:
(Start: 159 @2278 has 700 MA's), (210, 2401),

Gene: Annyong_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Annyong_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Anon_4 Start: 2182, Stop: 2478, Start Num: 159
Candidate Starts for Anon_4:
(Start: 159 @2182 has 700 MA's), (213, 2317),

Gene: Anselm_5 Start: 2674, Stop: 2970, Start Num: 159
Candidate Starts for Anselm_5:
(Start: 159 @2674 has 700 MA's), (210, 2797),

Gene: Anthony_1 Start: 406, Stop: 699, Start Num: 159
Candidate Starts for Anthony_1:
(Start: 159 @406 has 700 MA's),

Gene: Anubis_3 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Anubis_3:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Aphelion_14 Start: 3268, Stop: 3576, Start Num: 168
Candidate Starts for Aphelion_14:
(140, 3238), (Start: 168 @3268 has 26 MA's), (226, 3460), (242, 3532),

Gene: Applejack_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for Applejack_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: Apricot_101 Start: 51816, Stop: 52109, Start Num: 174
Candidate Starts for Apricot_101:
(91, 51666), (Start: 174 @51816 has 22 MA's),

Gene: Aragog_1 Start: 534, Stop: 833, Start Num: 156
Candidate Starts for Aragog_1:
(64, 372), (Start: 156 @534 has 31 MA's), (204, 642), (222, 714), (240, 783), (252, 828),

Gene: Arcanine_2 Start: 750, Stop: 1046, Start Num: 159
Candidate Starts for Arcanine_2:
(Start: 159 @750 has 700 MA's), (210, 873), (234, 963), (242, 999),

Gene: ArcherNM_4 Start: 2293, Stop: 2589, Start Num: 159
Candidate Starts for ArcherNM_4:
(Start: 159 @2293 has 700 MA's),

Gene: Archetta_1 Start: 534, Stop: 833, Start Num: 156
Candidate Starts for Archetta_1:
(64, 372), (Start: 156 @534 has 31 MA's), (204, 642), (222, 714), (240, 783), (252, 828),

Gene: Arianna_54 Start: 40153, Stop: 40458, Start Num: 165
Candidate Starts for Arianna_54:
(Start: 165 @40153 has 3 MA's), (195, 40228), (199, 40249), (221, 40330),

Gene: Arissanae_4 Start: 2121, Stop: 2414, Start Num: 159
Candidate Starts for Arissanae_4:
(Start: 159 @2121 has 700 MA's), (204, 2223), (210, 2241),

Gene: Arlo_2 Start: 747, Stop: 1043, Start Num: 159
Candidate Starts for Arlo_2:
(Start: 159 @747 has 700 MA's), (210, 870), (234, 960), (242, 996),

Gene: Artemis2UCLA_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Artemis2UCLA_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Arturo_86 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Arturo_86:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Asa16_69 Start: 43233, Stop: 43535, Start Num: 159
Candidate Starts for Asa16_69:
(Start: 159 @43233 has 700 MA's), (182, 43284), (Start: 188 @43299 has 126 MA's), (206, 43350), (226, 43425), (249, 43524),

Gene: Ascela_71 Start: 43822, Stop: 44124, Start Num: 159
Candidate Starts for Ascela_71:
(Start: 159 @43822 has 700 MA's), (Start: 188 @43888 has 126 MA's), (206, 43939), (226, 44014), (249, 44113),

Gene: Ashballer_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Ashballer_1:

(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Ashes_63 Start: 39865, Stop: 40107, Start Num: 184
Candidate Starts for Ashes_63:
(Start: 159 @39805 has 700 MA's), (Start: 184 @39865 has 15 MA's), (Start: 188 @39871 has 126 MA's),

Gene: Asten_2 Start: 729, Stop: 1040, Start Num: 158
Candidate Starts for Asten_2:
(Start: 68 @588 has 2 MA's), (80, 627), (Start: 158 @729 has 54 MA's), (190, 801), (215, 882),

Gene: Astro_1 Start: 505, Stop: 798, Start Num: 162
Candidate Starts for Astro_1:
(Start: 162 @505 has 9 MA's), (196, 592), (222, 679), (242, 757), (252, 793),

Gene: Atkinbua_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for Atkinbua_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: Attoomi_53 Start: 41445, Stop: 41750, Start Num: 159
Candidate Starts for Attoomi_53:
(Start: 159 @41445 has 700 MA's), (196, 41532), (197, 41538), (210, 41577), (213, 41589),

Gene: AugsMagnumOpus_3 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for AugsMagnumOpus_3:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: AvatarAhPeg_1 Start: 535, Stop: 762, Start Num: 188
Candidate Starts for AvatarAhPeg_1:
(Start: 87 @355 has 2 MA's), (Start: 188 @535 has 126 MA's), (242, 721),

Gene: Avle17_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Avle17_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Axiom_3 Start: 679, Stop: 993, Start Num: 159
Candidate Starts for Axiom_3:
(Start: 159 @679 has 700 MA's), (213, 823),

Gene: Axym_69 Start: 46163, Stop: 46453, Start Num: 169
Candidate Starts for Axym_69:
(Start: 154 @46142 has 2 MA's), (Start: 169 @46163 has 27 MA's), (207, 46262),

Gene: Ayanochan_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for Ayanochan_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Azira_67 Start: 45015, Stop: 45332, Start Num: 169
Candidate Starts for Azira_67:
(Start: 169 @45015 has 27 MA's), (215, 45153), (233, 45222),

Gene: BABullseye_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for BABullseye_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: BPBiebs31_2 Start: 832, Stop: 1128, Start Num: 159
Candidate Starts for BPBiebs31_2:
(Start: 128 @784 has 1 MA's), (Start: 159 @832 has 700 MA's), (210, 955), (234, 1045), (242, 1081),

Gene: Baby16_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Baby16_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: BabyBack_4 Start: 2096, Stop: 2392, Start Num: 159
Candidate Starts for BabyBack_4:
(Start: 159 @2096 has 700 MA's),

Gene: BabyRay_1 Start: 458, Stop: 754, Start Num: 159
Candidate Starts for BabyRay_1:
(145, 449), (Start: 159 @458 has 700 MA's), (213, 593),

Gene: Bachita_15 Start: 3780, Stop: 4088, Start Num: 168
Candidate Starts for Bachita_15:
(140, 3750), (Start: 168 @3780 has 26 MA's), (242, 4044),

Gene: Bachome_4 Start: 2386, Stop: 2649, Start Num: 178
Candidate Starts for Bachome_4:
(Start: 159 @2353 has 700 MA's), (Start: 178 @2386 has 4 MA's), (196, 2443), (252, 2644),

Gene: BaconJack_2 Start: 750, Stop: 1046, Start Num: 159
Candidate Starts for BaconJack_2:
(Start: 159 @750 has 700 MA's), (210, 873), (234, 963), (242, 999),

Gene: Bactobuster_4 Start: 2106, Stop: 2402, Start Num: 159
Candidate Starts for Bactobuster_4:
(Start: 159 @2106 has 700 MA's), (198, 2205), (228, 2301),

Gene: Badger_1 Start: 543, Stop: 770, Start Num: 188
Candidate Starts for Badger_1:
(Start: 188 @543 has 126 MA's), (213, 609), (242, 729),

Gene: Baehexic_5 Start: 2625, Stop: 2921, Start Num: 159
Candidate Starts for Baehexic_5:
(61, 2424), (Start: 159 @2625 has 700 MA's),

Gene: Balloona_71 Start: 47653, Stop: 47916, Start Num: 189
Candidate Starts for Balloona_71:
(Start: 148 @47563 has 1 MA's), (Start: 157 @47575 has 8 MA's), (170, 47599), (Start: 189 @47653 has 2 MA's), (198, 47686), (233, 47812),

Gene: Bantam_8 Start: 4561, Stop: 4869, Start Num: 168
Candidate Starts for Bantam_8:
(160, 4546), (Start: 168 @4561 has 26 MA's), (194, 4633), (214, 4699),

Gene: Barnstormer_77 Start: 46434, Stop: 46733, Start Num: 159
Candidate Starts for Barnstormer_77:
(127, 46389), (Start: 159 @46434 has 700 MA's), (202, 46542), (206, 46551),

Gene: Barriga_2 Start: 749, Stop: 1045, Start Num: 159
Candidate Starts for Barriga_2:
(Start: 159 @749 has 700 MA's), (210, 872), (234, 962), (242, 998),

Gene: BarrowTuph_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for BarrowTuph_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 154 @595 has 2 MA's), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: BarryBee_3 Start: 729, Stop: 1040, Start Num: 158
Candidate Starts for BarryBee_3:
(Start: 68 @588 has 2 MA's), (80, 627), (Start: 158 @729 has 54 MA's), (190, 801), (215, 882),

Gene: BartholomewSD_3 Start: 740, Stop: 1054, Start Num: 159
Candidate Starts for BartholomewSD_3:
(Start: 159 @740 has 700 MA's), (213, 884),

Gene: Bartimeaus_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Bartimeaus_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Battleship_5 Start: 2425, Stop: 2721, Start Num: 159
Candidate Starts for Battleship_5:
(Start: 159 @2425 has 700 MA's), (196, 2515),

Gene: BearBQ_102 Start: 54695, Stop: 54988, Start Num: 174
Candidate Starts for BearBQ_102:
(80, 54524), (Start: 174 @54695 has 22 MA's),

Gene: BeardedLady_2 Start: 739, Stop: 1053, Start Num: 158
Candidate Starts for BeardedLady_2:
(Start: 158 @739 has 54 MA's), (215, 895),

Gene: Beatrix_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Beatrix_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 154 @596 has 2 MA's), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: Beaupre_62 Start: 39675, Stop: 39917, Start Num: 184
Candidate Starts for Beaupre_62:
(Start: 159 @39615 has 700 MA's), (Start: 184 @39675 has 15 MA's), (Start: 188 @39681 has 126 MA's),

Gene: Beauxregard13_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Beauxregard13_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Beelzebub_96 Start: 49193, Stop: 49519, Start Num: 159
Candidate Starts for Beelzebub_96:

(152, 49187), (Start: 159 @49193 has 700 MA's), (Start: 178 @49235 has 4 MA's), (195, 49280), (212, 49340), (223, 49400), (236, 49460),

Gene: Beemo_4 Start: 2336, Stop: 2629, Start Num: 159
Candidate Starts for Beemo_4:
(Start: 134 @2309 has 2 MA's), (Start: 159 @2336 has 700 MA's), (204, 2438), (210, 2456),

Gene: BeesKnees_2 Start: 751, Stop: 1047, Start Num: 159
Candidate Starts for BeesKnees_2:
(Start: 159 @751 has 700 MA's), (210, 874), (224, 928), (234, 964), (242, 1000),

Gene: Bellris_4 Start: 2102, Stop: 2395, Start Num: 159
Candidate Starts for Bellris_4:
(Start: 159 @2102 has 700 MA's), (204, 2204), (210, 2222),

Gene: BellusTerra_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for BellusTerra_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Benedict_1 Start: 503, Stop: 802, Start Num: 156
Candidate Starts for Benedict_1:
(Start: 156 @503 has 31 MA's), (Start: 167 @518 has 3 MA's), (204, 611), (240, 752), (252, 797),

Gene: BengiVuitton_4 Start: 2325, Stop: 2621, Start Num: 159
Candidate Starts for BengiVuitton_4:
(Start: 159 @2325 has 700 MA's), (210, 2448),

Gene: BennyP_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for BennyP_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Benvolio_5 Start: 2672, Stop: 2968, Start Num: 159
Candidate Starts for Benvolio_5:
(Start: 159 @2672 has 700 MA's), (210, 2795),

Gene: Bernal13_59 Start: 40895, Stop: 41194, Start Num: 82
Candidate Starts for Bernal13_59:
(Start: 82 @40895 has 6 MA's), (215, 41018),

Gene: Berrie_69 Start: 43434, Stop: 43736, Start Num: 159
Candidate Starts for Berrie_69:
(Start: 159 @43434 has 700 MA's), (Start: 188 @43500 has 126 MA's), (206, 43551), (226, 43626), (249, 43725),

Gene: Bethlehem_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for Bethlehem_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: Bexan_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Bexan_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 154 @596 has 2 MA's), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: BiancaTri92_4 Start: 2316, Stop: 2612, Start Num: 159
Candidate Starts for BiancaTri92_4:
(Start: 159 @2316 has 700 MA's), (208, 2433),

Gene: Big3_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Big3_1:
(Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: BigMau_3 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for BigMau_3:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: BigPaolini_1 Start: 596, Stop: 892, Start Num: 159
Candidate Starts for BigPaolini_1:
(137, 569), (143, 578), (Start: 159 @596 has 700 MA's), (210, 719), (234, 809), (242, 845),

Gene: Bigchungi_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for Bigchungi_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: Bigflo_1 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for Bigflo_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Bigfoot_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Bigfoot_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: BillKnuckles_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for BillKnuckles_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: Bircsak_2 Start: 835, Stop: 1131, Start Num: 159
Candidate Starts for Bircsak_2:
(Start: 128 @787 has 1 MA's), (Start: 159 @835 has 700 MA's), (210, 958), (234, 1048), (242, 1084),

Gene: Birdsong_96 Start: 52683, Stop: 52976, Start Num: 174
Candidate Starts for Birdsong_96:
(80, 52512), (Start: 174 @52683 has 22 MA's),

Gene: Blackbeetle_93 Start: 48691, Stop: 49017, Start Num: 159
Candidate Starts for Blackbeetle_93:
(138, 48664), (Start: 159 @48691 has 700 MA's), (Start: 178 @48733 has 4 MA's), (195, 48778), (212, 48838), (223, 48898), (236, 48958),

Gene: Blackmoor_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Blackmoor_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: BlessJoy_4 Start: 2143, Stop: 2439, Start Num: 159

Candidate Starts for BlessJoy_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Blesser_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for Blesser_1:
(Start: 136 @570 has 4 MA's), (142, 579), (Start: 154 @594 has 2 MA's), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: Blinn1_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Blinn1_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: BluSpix_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for BluSpix_1:
(Start: 136 @570 has 4 MA's), (142, 579), (Start: 154 @594 has 2 MA's), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: Blue_3 Start: 1232, Stop: 1528, Start Num: 159
Candidate Starts for Blue_3:
(146, 1217), (Start: 159 @1232 has 700 MA's), (210, 1355), (234, 1445), (242, 1481),

Gene: Blue7_4 Start: 2132, Stop: 2428, Start Num: 159
Candidate Starts for Blue7_4:
(Start: 159 @2132 has 700 MA's), (213, 2267),

Gene: BlueBird_1 Start: 420, Stop: 716, Start Num: 159
Candidate Starts for BlueBird_1:
(Start: 159 @420 has 700 MA's), (213, 555),

Gene: Bob3_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for Bob3_2:
(Start: 159 @748 has 700 MA's), (234, 961), (242, 997),

Gene: BobSwaget_5 Start: 2538, Stop: 2834, Start Num: 159
Candidate Starts for BobSwaget_5:
(Start: 159 @2538 has 700 MA's),

Gene: BogosyJay_4 Start: 2102, Stop: 2395, Start Num: 159
Candidate Starts for BogosyJay_4:
(Start: 159 @2102 has 700 MA's), (204, 2204), (210, 2222),

Gene: Bombshell_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Bombshell_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Bones_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Bones_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Boohoo_4 Start: 2278, Stop: 2574, Start Num: 159
Candidate Starts for Boohoo_4:
(Start: 159 @2278 has 700 MA's), (196, 2368),

Gene: Bovely_2 Start: 740, Stop: 1054, Start Num: 158
Candidate Starts for Bovely_2:
(70, 629), (91, 656), (Start: 158 @740 has 54 MA's), (215, 896),

Gene: Bowden_2 Start: 639, Stop: 953, Start Num: 159
Candidate Starts for Bowden_2:
(Start: 159 @639 has 700 MA's), (213, 783),

Gene: Bowtie_4 Start: 2356, Stop: 2652, Start Num: 159
Candidate Starts for Bowtie_4:
(Start: 159 @2356 has 700 MA's), (Start: 178 @2389 has 4 MA's), (196, 2446), (252, 2647),

Gene: Bradissa_76 Start: 51528, Stop: 51818, Start Num: 174
Candidate Starts for Bradissa_76:
(Start: 174 @51528 has 22 MA's),

Gene: Brataylor_2 Start: 590, Stop: 1036, Start Num: 68
Candidate Starts for Brataylor_2:
(66, 581), (Start: 68 @590 has 2 MA's), (Start: 158 @725 has 54 MA's), (190, 797), (199, 827), (210, 854),

Gene: BreSam8_1 Start: 518, Stop: 820, Start Num: 150
Candidate Starts for BreSam8_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: BritBrat_98 Start: 55168, Stop: 55455, Start Num: 174
Candidate Starts for BritBrat_98:
(103, 55045), (Start: 136 @55111 has 4 MA's), (141, 55117), (Start: 174 @55168 has 22 MA's),

Gene: Briton15_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for Briton15_2:
(Start: 159 @748 has 700 MA's), (210, 871), (224, 925), (234, 961), (242, 997),

Gene: BroPlease_1 Start: 591, Stop: 905, Start Num: 159
Candidate Starts for BroPlease_1:
(Start: 159 @591 has 700 MA's), (205, 708), (213, 735), (236, 837), (255, 900),

Gene: Broseidon_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Broseidon_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Bruiser_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Bruiser_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Bruns_1 Start: 596, Stop: 892, Start Num: 159
Candidate Starts for Bruns_1:
(Start: 119 @533 has 5 MA's), (Start: 136 @569 has 4 MA's), (142, 578), (Start: 159 @596 has 700 MA's), (210, 719), (224, 773), (234, 809), (242, 845),

Gene: BrutonGaster_7 Start: 1661, Stop: 1969, Start Num: 168
Candidate Starts for BrutonGaster_7:

(97, 1544), (131, 1613), (Start: 168 @1661 has 26 MA's), (221, 1835), (231, 1871), (242, 1925), (249, 1961),

Gene: BryanRecycles_2 Start: 746, Stop: 1060, Start Num: 158
Candidate Starts for BryanRecycles_2:
(105, 668), (Start: 158 @746 has 54 MA's), (215, 902),

Gene: Bubble_70 Start: 46197, Stop: 46508, Start Num: 154
Candidate Starts for Bubble_70:
(Start: 154 @46197 has 2 MA's), (Start: 169 @46218 has 27 MA's), (207, 46317),

Gene: BubbleTrouble_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for BubbleTrouble_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Bud_4 Start: 2362, Stop: 2658, Start Num: 159
Candidate Starts for Bud_4:
(Start: 159 @2362 has 700 MA's), (Start: 178 @2395 has 4 MA's), (196, 2452), (252, 2653),

Gene: Bugatti_1 Start: 420, Stop: 716, Start Num: 159
Candidate Starts for Bugatti_1:
(Start: 159 @420 has 700 MA's), (213, 555),

Gene: Bugsy_5 Start: 2549, Stop: 2845, Start Num: 159
Candidate Starts for Bugsy_5:
(Start: 159 @2549 has 700 MA's), (210, 2672),

Gene: Bumblebee11_1 Start: 542, Stop: 769, Start Num: 188
Candidate Starts for Bumblebee11_1:
(Start: 188 @542 has 126 MA's), (213, 608), (242, 728),

Gene: Burnsey_70 Start: 45875, Stop: 46165, Start Num: 169
Candidate Starts for Burnsey_70:
(Start: 154 @45854 has 2 MA's), (Start: 169 @45875 has 27 MA's), (207, 45974),

Gene: Burton_2 Start: 750, Stop: 1046, Start Num: 159
Candidate Starts for Burton_2:
(Start: 159 @750 has 700 MA's), (234, 963), (242, 999),

Gene: Button_71 Start: 45762, Stop: 46070, Start Num: 169
Candidate Starts for Button_71:
(123, 45687), (Start: 148 @45732 has 1 MA's), (164, 45753), (Start: 169 @45762 has 27 MA's), (183, 45807), (196, 45846), (207, 45876), (215, 45909), (226, 45960),

Gene: Buttons_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for Buttons_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: Buttrmlkdreams_71 Start: 45701, Stop: 45979, Start Num: 167
Candidate Starts for Buttrmlkdreams_71:
(Start: 167 @45701 has 3 MA's), (Start: 169 @45704 has 27 MA's), (182, 45746), (Start: 186 @45758 has 1 MA's), (192, 45770), (215, 45821), (220, 45848), (221, 45851),

Gene: Bxb1_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Bxb1_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: Bxz2_1 Start: 537, Stop: 830, Start Num: 159
Candidate Starts for Bxz2_1:
(Start: 150 @528 has 52 MA's), (Start: 159 @537 has 700 MA's), (Start: 188 @603 has 126 MA's),

Gene: C3_04 Start: 2344, Stop: 2640, Start Num: 159
Candidate Starts for C3_04:
(Start: 159 @2344 has 700 MA's),

Gene: CRB1_4 Start: 2473, Stop: 2769, Start Num: 159
Candidate Starts for CRB1_4:
(Start: 159 @2473 has 700 MA's), (210, 2596),

Gene: CactusRose_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for CactusRose_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Caelum_3 Start: 669, Stop: 983, Start Num: 159
Candidate Starts for Caelum_3:
(144, 651), (Start: 150 @660 has 52 MA's), (Start: 159 @669 has 700 MA's), (213, 813), (221, 846),

Gene: Caitlin_1 Start: 505, Stop: 798, Start Num: 162
Candidate Starts for Caitlin_1:
(Start: 162 @505 has 9 MA's), (196, 592), (222, 679), (242, 757), (252, 793),

Gene: Caliburn_2 Start: 739, Stop: 1053, Start Num: 158
Candidate Starts for Caliburn_2:
(Start: 158 @739 has 54 MA's), (215, 895),

Gene: Calvinny_1 Start: 522, Stop: 824, Start Num: 150
Candidate Starts for Calvinny_1:
(Start: 150 @522 has 52 MA's), (Start: 159 @531 has 700 MA's), (Start: 188 @597 has 126 MA's),

Gene: Camperdownii_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Camperdownii_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Candra_4 Start: 2176, Stop: 2472, Start Num: 159
Candidate Starts for Candra_4:
(Start: 159 @2176 has 700 MA's), (213, 2311),

Gene: Cappuccino_63 Start: 39745, Stop: 39987, Start Num: 184
Candidate Starts for Cappuccino_63:
(Start: 159 @39685 has 700 MA's), (Start: 184 @39745 has 15 MA's), (Start: 188 @39751 has 126 MA's),

Gene: Caprice_92 Start: 48629, Stop: 48955, Start Num: 159
Candidate Starts for Caprice_92:

(138, 48602), (Start: 159 @48629 has 700 MA's), (Start: 178 @48671 has 4 MA's), (195, 48716), (212, 48776), (223, 48836), (236, 48896),

Gene: Caraxes_4 Start: 2154, Stop: 2450, Start Num: 159
Candidate Starts for Caraxes_4:
(Start: 159 @2154 has 700 MA's), (228, 2349),

Gene: Cardigan_14 Start: 3818, Stop: 4126, Start Num: 168
Candidate Starts for Cardigan_14:
(Start: 168 @3818 has 26 MA's), (221, 3992), (226, 4010), (233, 4031),

Gene: Carlyle_2 Start: 778, Stop: 1074, Start Num: 159
Candidate Starts for Carlyle_2:
(146, 763), (Start: 159 @778 has 700 MA's), (210, 901), (224, 955), (234, 991), (242, 1027),

Gene: Caron_82 Start: 47300, Stop: 47599, Start Num: 159
Candidate Starts for Caron_82:
(6, 46730), (8, 46799), (11, 46829), (25, 46961), (28, 46979), (54, 47102), (137, 47273), (Start: 159 @47300 has 700 MA's), (202, 47408), (206, 47417),

Gene: Cashline_76 Start: 52028, Stop: 52315, Start Num: 174
Candidate Starts for Cashline_76:
(47, 51776), (103, 51905), (Start: 136 @51971 has 4 MA's), (141, 51977), (145, 51983), (Start: 174 @52028 has 22 MA's), (182, 52058),

Gene: Cassia_68 Start: 43117, Stop: 43419, Start Num: 159
Candidate Starts for Cassia_68:
(Start: 159 @43117 has 700 MA's), (Start: 188 @43183 has 126 MA's), (226, 43309), (249, 43408),

Gene: Catalina_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for Catalina_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Caviar_1 Start: 445, Stop: 741, Start Num: 159
Candidate Starts for Caviar_1:
(Start: 159 @445 has 700 MA's), (213, 580),

Gene: Celery_4 Start: 962, Stop: 1276, Start Num: 159
Candidate Starts for Celery_4:
(69, 803), (71, 812), (89, 854), (93, 860), (151, 956), (Start: 159 @962 has 700 MA's), (Start: 188 @1031 has 126 MA's), (213, 1106), (221, 1139),

Gene: Celeste_2 Start: 725, Stop: 1036, Start Num: 158
Candidate Starts for Celeste_2:
(66, 581), (Start: 68 @590 has 2 MA's), (Start: 158 @725 has 54 MA's), (190, 797), (199, 827), (210, 854),

Gene: Celestialunch_4 Start: 2105, Stop: 2398, Start Num: 159
Candidate Starts for Celestialunch_4:
(Start: 159 @2105 has 700 MA's), (204, 2207), (210, 2225),

Gene: Celia_2 Start: 744, Stop: 1058, Start Num: 159
Candidate Starts for Celia_2:

(Start: 159 @744 has 700 MA's), (213, 888),

Gene: Centaur_5 Start: 2621, Stop: 2917, Start Num: 159
Candidate Starts for Centaur_5:
(61, 2420), (Start: 159 @2621 has 700 MA's),

Gene: CentreCat_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for CentreCat_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Cerulean_1 Start: 461, Stop: 763, Start Num: 147
Candidate Starts for Cerulean_1:
(Start: 147 @461 has 2 MA's), (Start: 188 @536 has 126 MA's), (242, 722),

Gene: Chadwick_1 Start: 501, Stop: 800, Start Num: 156
Candidate Starts for Chadwick_1:
(Start: 156 @501 has 31 MA's), (Start: 167 @516 has 3 MA's), (204, 609), (240, 750), (252, 795),

Gene: ChampagnePapi_1 Start: 355, Stop: 762, Start Num: 87
Candidate Starts for ChampagnePapi_1:
(Start: 87 @355 has 2 MA's), (Start: 147 @460 has 2 MA's), (Start: 188 @535 has 126 MA's), (242, 721),

Gene: Chanagan_2 Start: 749, Stop: 1045, Start Num: 159
Candidate Starts for Chanagan_2:
(Start: 159 @749 has 700 MA's), (210, 872), (234, 962), (242, 998),

Gene: Changeling_4 Start: 2293, Stop: 2589, Start Num: 159
Candidate Starts for Changeling_4:
(Start: 159 @2293 has 700 MA's),

Gene: Chaph_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Chaph_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Chargerpower_5 Start: 2445, Stop: 2744, Start Num: 159
Candidate Starts for Chargerpower_5:
(Start: 159 @2445 has 700 MA's),

Gene: Charm_4 Start: 2108, Stop: 2401, Start Num: 159
Candidate Starts for Charm_4:
(Start: 159 @2108 has 700 MA's), (196, 2195), (204, 2210), (210, 2228),

Gene: Chartreuse_4 Start: 2144, Stop: 2440, Start Num: 159
Candidate Starts for Chartreuse_4:
(Start: 159 @2144 has 700 MA's), (213, 2279),

Gene: Che12_4 Start: 2115, Stop: 2411, Start Num: 159
Candidate Starts for Che12_4:
(Start: 159 @2115 has 700 MA's),

Gene: ChipMunk_5 Start: 2559, Stop: 2855, Start Num: 159
Candidate Starts for ChipMunk_5:

(Start: 159 @2559 has 700 MA's), (210, 2682),

Gene: Chucky_2 Start: 730, Stop: 1041, Start Num: 158
Candidate Starts for Chucky_2:
(Start: 68 @589 has 2 MA's), (80, 628), (Start: 158 @730 has 54 MA's), (190, 802), (215, 883),

Gene: Chupacabra_1 Start: 460, Stop: 756, Start Num: 150
Candidate Starts for Chupacabra_1:
(Start: 150 @460 has 52 MA's),

Gene: Ciao_1 Start: 598, Stop: 906, Start Num: 159
Candidate Starts for Ciao_1:
(120, 535), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Cici_1 Start: 542, Stop: 769, Start Num: 188
Candidate Starts for Cici_1:
(Start: 188 @542 has 126 MA's), (213, 608), (242, 728),

Gene: Cindaradix_1 Start: 358, Stop: 765, Start Num: 88
Candidate Starts for Cindaradix_1:
(Start: 88 @358 has 1 MA's), (Start: 188 @538 has 126 MA's), (242, 724),

Gene: Cintron_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Cintron_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Citius_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Citius_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Clammy_1 Start: 420, Stop: 716, Start Num: 159
Candidate Starts for Clammy_1:
(Start: 159 @420 has 700 MA's), (213, 555),

Gene: Clarenza_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Clarenza_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Clarkson_93 Start: 48873, Stop: 49199, Start Num: 159
Candidate Starts for Clarkson_93:
(152, 48867), (Start: 159 @48873 has 700 MA's), (Start: 178 @48915 has 4 MA's), (195, 48960), (212, 49020), (223, 49080), (236, 49140),

Gene: CloudWang3_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for CloudWang3_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: ClownCar_1 Start: 522, Stop: 824, Start Num: 150
Candidate Starts for ClownCar_1:
(Start: 150 @522 has 52 MA's), (Start: 159 @531 has 700 MA's), (Start: 188 @597 has 126 MA's),

Gene: ClubL_14 Start: 3280, Stop: 3588, Start Num: 168

Candidate Starts for ClubL_14:
(140, 3250), (Start: 168 @3280 has 26 MA's), (242, 3544),

Gene: CocoaPuff_70 Start: 46933, Stop: 47196, Start Num: 189
Candidate Starts for CocoaPuff_70:
(Start: 148 @46843 has 1 MA's), (Start: 157 @46855 has 8 MA's), (170, 46879), (Start: 189 @46933 has 2 MA's), (198, 46966), (233, 47092),

Gene: Cocoaberry_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Cocoaberry_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Colbster_1 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for Colbster_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Colin_4 Start: 2440, Stop: 2736, Start Num: 159
Candidate Starts for Colin_4:
(Start: 159 @2440 has 700 MA's), (210, 2563),

Gene: Community_70 Start: 43720, Stop: 44022, Start Num: 159
Candidate Starts for Community_70:
(Start: 159 @43720 has 700 MA's), (Start: 188 @43786 has 126 MA's), (206, 43837), (226, 43912), (249, 44011),

Gene: Conan_4 Start: 975, Stop: 1289, Start Num: 159
Candidate Starts for Conan_4:
(69, 822), (83, 855), (86, 861), (89, 867), (151, 969), (Start: 159 @975 has 700 MA's), (Start: 188 @1044 has 126 MA's), (213, 1119), (221, 1152),

Gene: ConceptII_2 Start: 835, Stop: 1131, Start Num: 159
Candidate Starts for ConceptII_2:
(Start: 128 @787 has 1 MA's), (Start: 159 @835 has 700 MA's), (210, 958), (234, 1048), (242, 1084),

Gene: Connomayer_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Connomayer_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Conquerage_4 Start: 2332, Stop: 2625, Start Num: 159
Candidate Starts for Conquerage_4:
(Start: 134 @2305 has 2 MA's), (Start: 159 @2332 has 700 MA's), (204, 2434), (210, 2452),

Gene: Conspiracy_1 Start: 535, Stop: 834, Start Num: 156
Candidate Starts for Conspiracy_1:
(Start: 156 @535 has 31 MA's), (204, 643), (222, 715), (240, 784), (252, 829),

Gene: Coog_1 Start: 503, Stop: 802, Start Num: 156
Candidate Starts for Coog_1:
(63, 368), (Start: 156 @503 has 31 MA's), (204, 611), (222, 683), (240, 752), (252, 797),

Gene: Cookiedough_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Cookiedough_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Corazon_87 Start: 49067, Stop: 49393, Start Num: 159
Candidate Starts for Corazon_87:
(152, 49061), (Start: 159 @49067 has 700 MA's), (Start: 178 @49109 has 4 MA's), (195, 49154), (212, 49214), (223, 49274), (236, 49334),

Gene: Corvo_2 Start: 751, Stop: 1047, Start Num: 159
Candidate Starts for Corvo_2:
(Start: 159 @751 has 700 MA's), (210, 874), (234, 964), (242, 1000),

Gene: Crater_100 Start: 52160, Stop: 52453, Start Num: 174
Candidate Starts for Crater_100:
(91, 52010), (Start: 174 @52160 has 22 MA's),

Gene: Crewmate_74 Start: 43978, Stop: 44280, Start Num: 159
Candidate Starts for Crewmate_74:
(Start: 159 @43978 has 700 MA's), (226, 44170), (249, 44269),

Gene: Crispicous1_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Crispicous1_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: Croquant_2 Start: 592, Stop: 819, Start Num: 188
Candidate Starts for Croquant_2:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Crucio_5 Start: 2567, Stop: 2863, Start Num: 159
Candidate Starts for Crucio_5:
(Start: 159 @2567 has 700 MA's), (210, 2690),

Gene: Cuco_1 Start: 533, Stop: 832, Start Num: 156
Candidate Starts for Cuco_1:
(64, 371), (Start: 156 @533 has 31 MA's), (204, 641), (222, 713), (240, 782), (252, 827),

Gene: Cucurbita_13 Start: 3280, Stop: 3588, Start Num: 168
Candidate Starts for Cucurbita_13:
(140, 3250), (Start: 168 @3280 has 26 MA's), (242, 3544),

Gene: Cueylyss_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Cueylyss_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Cullens_1 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for Cullens_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Culver_13 Start: 3104, Stop: 3412, Start Num: 168
Candidate Starts for Culver_13:
(140, 3074), (Start: 168 @3104 has 26 MA's), (242, 3368),

Gene: Cyan_70 Start: 43301, Stop: 43603, Start Num: 159

Candidate Starts for Cyan_70:
(Start: 159 @43301 has 700 MA's), (182, 43352), (Start: 188 @43367 has 126 MA's), (206, 43418), (226, 43493), (249, 43592),

Gene: D29_4 Start: 2345, Stop: 2641, Start Num: 159
Candidate Starts for D29_4:
(Start: 159 @2345 has 700 MA's),

Gene: D32_4 Start: 2345, Stop: 2641, Start Num: 159
Candidate Starts for D32_4:
(Start: 159 @2345 has 700 MA's),

Gene: DBQu4n_4 Start: 2345, Stop: 2641, Start Num: 159
Candidate Starts for DBQu4n_4:
(Start: 159 @2345 has 700 MA's),

Gene: DD5_2 Start: 739, Stop: 1035, Start Num: 159
Candidate Starts for DD5_2:
(Start: 159 @739 has 700 MA's), (210, 862), (224, 916), (234, 952), (242, 988),

Gene: DaHudson_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for DaHudson_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: DaVinci_4 Start: 2144, Stop: 2440, Start Num: 159
Candidate Starts for DaVinci_4:
(Start: 159 @2144 has 700 MA's), (213, 2279),

Gene: Daishi_1 Start: 518, Stop: 820, Start Num: 150
Candidate Starts for Daishi_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: Dalmatian_5 Start: 2671, Stop: 2967, Start Num: 159
Candidate Starts for Dalmatian_5:
(Start: 159 @2671 has 700 MA's), (210, 2794),

Gene: Danzina_2 Start: 679, Stop: 1011, Start Num: 136
Candidate Starts for Danzina_2:
(1, 34), (3, 43), (4, 70), (7, 142), (30, 406), (41, 466), (46, 490), (52, 499), (117, 649), (Start: 136 @679 has 4 MA's), (Start: 158 @700 has 54 MA's), (197, 796), (199, 802), (210, 829), (226, 892),

Gene: Daredevil_10 Start: 3047, Stop: 3349, Start Num: 168
Candidate Starts for Daredevil_10:
(Start: 168 @3047 has 26 MA's), (187, 3104), (Start: 188 @3107 has 126 MA's), (221, 3215),

Gene: Darrell_4 Start: 2217, Stop: 2510, Start Num: 159
Candidate Starts for Darrell_4:
(Start: 159 @2217 has 700 MA's), (204, 2319), (210, 2337),

Gene: DarthPhader_4 Start: 2246, Stop: 2542, Start Num: 156
Candidate Starts for DarthPhader_4:
(Start: 156 @2246 has 31 MA's),

Gene: DatBoi_9 Start: 5103, Stop: 5411, Start Num: 168
Candidate Starts for DatBoi_9:
(89, 4968), (111, 5004), (Start: 168 @5103 has 26 MA's), (194, 5175), (249, 5400),

Gene: Dattran_2 Start: 723, Stop: 1034, Start Num: 158
Candidate Starts for Dattran_2:
(Start: 68 @588 has 2 MA's), (Start: 158 @723 has 54 MA's), (190, 795), (199, 825), (210, 852), (226, 915),

Gene: Datway_1 Start: 542, Stop: 769, Start Num: 188
Candidate Starts for Datway_1:
(Start: 188 @542 has 126 MA's), (213, 608), (242, 728),

Gene: Daudau_2 Start: 579, Stop: 968, Start Num: 108
Candidate Starts for Daudau_2:
(Start: 108 @579 has 1 MA's), (Start: 150 @645 has 52 MA's), (Start: 159 @654 has 700 MA's), (213, 798),

Gene: Deano_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Deano_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: DeerParkTS_4 Start: 2259, Stop: 2555, Start Num: 159
Candidate Starts for DeerParkTS_4:
(Start: 159 @2259 has 700 MA's),

Gene: DekHockey33_4 Start: 2425, Stop: 2721, Start Num: 159
Candidate Starts for DekHockey33_4:
(Start: 159 @2425 has 700 MA's), (196, 2515),

Gene: Deloris_4 Start: 2325, Stop: 2621, Start Num: 159
Candidate Starts for Deloris_4:
(Start: 159 @2325 has 700 MA's), (210, 2448),

Gene: Dexes_2 Start: 782, Stop: 1078, Start Num: 159
Candidate Starts for Dexes_2:
(Start: 159 @782 has 700 MA's), (210, 905), (234, 995), (242, 1031),

Gene: Dhanush_1 Start: 537, Stop: 764, Start Num: 188
Candidate Starts for Dhanush_1:
(Start: 188 @537 has 126 MA's), (242, 723),

Gene: Diane_2 Start: 652, Stop: 966, Start Num: 159
Candidate Starts for Diane_2:
(Start: 150 @643 has 52 MA's), (Start: 159 @652 has 700 MA's), (213, 796), (221, 829),

Gene: Dieselweasel_1 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for Dieselweasel_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Dignity_5 Start: 2547, Stop: 2843, Start Num: 159
Candidate Starts for Dignity_5:
(Start: 159 @2547 has 700 MA's), (210, 2670),

Gene: DirtDevil_2 Start: 750, Stop: 1046, Start Num: 159
Candidate Starts for DirtDevil_2:
(Start: 159 @750 has 700 MA's), (210, 873), (234, 963), (242, 999),

Gene: DirtyDunning_1 Start: 536, Stop: 763, Start Num: 188
Candidate Starts for DirtyDunning_1:
(Start: 188 @536 has 126 MA's), (242, 722),

Gene: Discoknowium_1 Start: 534, Stop: 833, Start Num: 156
Candidate Starts for Discoknowium_1:
(64, 372), (Start: 156 @534 has 31 MA's), (204, 642), (222, 714), (240, 783), (252, 828),

Gene: Dixon_1 Start: 505, Stop: 798, Start Num: 162
Candidate Starts for Dixon_1:
(Start: 162 @505 has 9 MA's), (196, 592), (222, 679), (242, 757), (252, 793),

Gene: Donkey_63 Start: 39735, Stop: 39977, Start Num: 184
Candidate Starts for Donkey_63:
(Start: 159 @39675 has 700 MA's), (Start: 184 @39735 has 15 MA's), (Start: 188 @39741 has 126 MA's),

Gene: Doom_1 Start: 596, Stop: 892, Start Num: 159
Candidate Starts for Doom_1:
(137, 569), (143, 578), (Start: 159 @596 has 700 MA's), (210, 719), (234, 809), (242, 845),

Gene: Dorothea_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Dorothea_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: DrFeelGood_1 Start: 596, Stop: 892, Start Num: 159
Candidate Starts for DrFeelGood_1:
(Start: 119 @533 has 5 MA's), (Start: 136 @569 has 4 MA's), (142, 578), (Start: 159 @596 has 700 MA's), (210, 719), (234, 809), (242, 845),

Gene: DrManhattan_72 Start: 42208, Stop: 42510, Start Num: 159
Candidate Starts for DrManhattan_72:
(Start: 159 @42208 has 700 MA's), (206, 42325), (226, 42400), (249, 42499),

Gene: DrSierra_66 Start: 42253, Stop: 42555, Start Num: 159
Candidate Starts for DrSierra_66:
(Start: 159 @42253 has 700 MA's), (Start: 188 @42319 has 126 MA's), (206, 42370), (226, 42445), (249, 42544),

Gene: Drake55_5 Start: 2627, Stop: 2923, Start Num: 159
Candidate Starts for Drake55_5:
(61, 2426), (Start: 159 @2627 has 700 MA's),

Gene: Drake94_1 Start: 472, Stop: 768, Start Num: 150
Candidate Starts for Drake94_1:
(43, 247), (Start: 150 @472 has 52 MA's), (213, 607),

Gene: Dre3_68 Start: 45474, Stop: 45806, Start Num: 169

Candidate Starts for Dre3_68:
(Start: 158 @45456 has 54 MA's), (Start: 169 @45474 has 27 MA's),

Gene: DreamCatcher_2 Start: 1332, Stop: 1622, Start Num: 172
Candidate Starts for DreamCatcher_2:
(19, 897), (35, 1014), (78, 1170), (84, 1179), (85, 1182), (Start: 172 @1332 has 4 MA's), (181, 1359), (234, 1539), (242, 1575),

Gene: DreamTeam1_4 Start: 2108, Stop: 2401, Start Num: 159
Candidate Starts for DreamTeam1_4:
(Start: 159 @2108 has 700 MA's), (196, 2195), (204, 2210), (210, 2228),

Gene: Dreamboat_2 Start: 863, Stop: 1171, Start Num: 159
Candidate Starts for Dreamboat_2:
(Start: 128 @815 has 1 MA's), (Start: 159 @863 has 700 MA's), (210, 986), (234, 1076), (242, 1112),

Gene: DroogsArmy_1 Start: 408, Stop: 704, Start Num: 159
Candidate Starts for DroogsArmy_1:
(94, 297), (Start: 159 @408 has 700 MA's), (240, 654), (246, 672),

Gene: DropBear_1 Start: 416, Stop: 712, Start Num: 149
Candidate Starts for DropBear_1:
(Start: 77 @293 has 2 MA's), (145, 410), (Start: 149 @416 has 6 MA's), (213, 551),

Gene: Druantia_1 Start: 539, Stop: 766, Start Num: 188
Candidate Starts for Druantia_1:
(Start: 188 @539 has 126 MA's), (242, 725),

Gene: DudeLittle_5 Start: 2671, Stop: 2967, Start Num: 159
Candidate Starts for DudeLittle_5:
(Start: 159 @2671 has 700 MA's), (210, 2794),

Gene: Dulcie_1 Start: 596, Stop: 892, Start Num: 159
Candidate Starts for Dulcie_1:
(Start: 119 @533 has 5 MA's), (Start: 136 @569 has 4 MA's), (142, 578), (Start: 159 @596 has 700 MA's), (210, 719), (242, 845),

Gene: Duplo_4 Start: 2345, Stop: 2641, Start Num: 159
Candidate Starts for Duplo_4:
(Start: 159 @2345 has 700 MA's),

Gene: Dussy_2 Start: 758, Stop: 1054, Start Num: 159
Candidate Starts for Dussy_2:
(Start: 159 @758 has 700 MA's), (210, 881), (224, 935), (234, 971), (242, 1007),

Gene: Dusty_13 Start: 3104, Stop: 3412, Start Num: 168
Candidate Starts for Dusty_13:
(140, 3074), (Start: 168 @3104 has 26 MA's), (242, 3368),

Gene: Dwayne_2 Start: 730, Stop: 1041, Start Num: 158
Candidate Starts for Dwayne_2:
(Start: 68 @589 has 2 MA's), (80, 628), (Start: 158 @730 has 54 MA's), (190, 802), (215, 883),

Gene: Dynamix_2 Start: 747, Stop: 1043, Start Num: 159
Candidate Starts for Dynamix_2:
(Start: 159 @747 has 700 MA's), (210, 870), (234, 960), (242, 996),

Gene: EMsquaredA_80 Start: 50168, Stop: 50458, Start Num: 174
Candidate Starts for EMsquaredA_80:
(10, 49655), (26, 49805), (27, 49814), (31, 49841), (34, 49859), (39, 49883), (51, 49922), (55, 49934), (58, 49937), (115, 50072), (Start: 174 @50168 has 22 MA's),

Gene: EZMoney23_4 Start: 2295, Stop: 2591, Start Num: 159
Candidate Starts for EZMoney23_4:
(Start: 159 @2295 has 700 MA's),

Gene: EagleEye_4 Start: 2125, Stop: 2418, Start Num: 159
Candidate Starts for EagleEye_4:
(Start: 159 @2125 has 700 MA's), (Start: 188 @2191 has 126 MA's), (204, 2227), (210, 2245), (213, 2257),

Gene: Eaglepride_1 Start: 473, Stop: 769, Start Num: 150
Candidate Starts for Eaglepride_1:
(99, 386), (Start: 150 @473 has 52 MA's),

Gene: Eapen_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Eapen_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Ebony_4 Start: 2395, Stop: 2658, Start Num: 178
Candidate Starts for Ebony_4:
(Start: 159 @2362 has 700 MA's), (Start: 178 @2395 has 4 MA's), (196, 2452), (252, 2653),

Gene: Echild_5 Start: 2672, Stop: 2968, Start Num: 159
Candidate Starts for Echild_5:
(Start: 159 @2672 has 700 MA's), (210, 2795),

Gene: Eddasa_2 Start: 746, Stop: 1060, Start Num: 158
Candidate Starts for Eddasa_2:
(105, 668), (Start: 158 @746 has 54 MA's), (215, 902),

Gene: Edison31_1 Start: 464, Stop: 760, Start Num: 150
Candidate Starts for Edison31_1:
(Start: 150 @464 has 52 MA's),

Gene: EdogawaKiddo_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for EdogawaKiddo_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Edtherson_2 Start: 749, Stop: 1045, Start Num: 159
Candidate Starts for Edtherson_2:
(Start: 159 @749 has 700 MA's), (210, 872), (234, 962), (242, 998),

Gene: Eidsmoe_4 Start: 2332, Stop: 2625, Start Num: 159
Candidate Starts for Eidsmoe_4:
(Start: 134 @2305 has 2 MA's), (Start: 159 @2332 has 700 MA's), (204, 2434), (210, 2452),

Gene: Ejemplo_2 Start: 730, Stop: 1041, Start Num: 158
Candidate Starts for Ejemplo_2:
(Start: 68 @589 has 2 MA's), (80, 628), (Start: 158 @730 has 54 MA's), (190, 802), (199, 832), (210, 859), (226, 922),

Gene: ElGato_4 Start: 978, Stop: 1292, Start Num: 159
Candidate Starts for ElGato_4:
(69, 825), (83, 858), (86, 864), (89, 870), (151, 972), (Start: 159 @978 has 700 MA's), (Start: 188 @1047 has 126 MA's), (213, 1122), (221, 1155),

Gene: ElTiger69_1 Start: 502, Stop: 801, Start Num: 156
Candidate Starts for ElTiger69_1:
(Start: 156 @502 has 31 MA's), (Start: 167 @517 has 3 MA's), (204, 610), (240, 751), (252, 796),

Gene: Elener_66 Start: 39019, Stop: 39270, Start Num: 219
Candidate Starts for Elener_66:
(104, 38734), (Start: 169 @38851 has 27 MA's), (177, 38878), (193, 38926), (209, 38974), (Start: 219 @39019 has 1 MA's), (225, 39043), (231, 39073), (238, 39112), (241, 39118), (256, 39241),

Gene: Elephantoon_4 Start: 2095, Stop: 2388, Start Num: 159
Candidate Starts for Elephantoon_4:
(Start: 159 @2095 has 700 MA's), (204, 2197), (210, 2215),

Gene: Elezi_68 Start: 43103, Stop: 43405, Start Num: 159
Candidate Starts for Elezi_68:
(Start: 159 @43103 has 700 MA's), (182, 43154), (Start: 188 @43169 has 126 MA's), (206, 43220), (226, 43295), (249, 43394),

Gene: Elinal_76 Start: 48006, Stop: 48332, Start Num: 157
Candidate Starts for Elinal_76:
(Start: 148 @47994 has 1 MA's), (Start: 157 @48006 has 8 MA's), (170, 48030), (Start: 189 @48084 has 2 MA's), (198, 48111), (233, 48231),

Gene: Elle_4 Start: 2141, Stop: 2437, Start Num: 159
Candidate Starts for Elle_4:
(85, 2009), (Start: 159 @2141 has 700 MA's), (196, 2231), (213, 2276),

Gene: Emaanora_3 Start: 729, Stop: 1040, Start Num: 158
Candidate Starts for Emaanora_3:
(Start: 68 @588 has 2 MA's), (80, 627), (Start: 158 @729 has 54 MA's), (190, 801), (215, 882),

Gene: Emalyn_67 Start: 43687, Stop: 43962, Start Num: 169
Candidate Starts for Emalyn_67:
(Start: 167 @43684 has 3 MA's), (Start: 169 @43687 has 27 MA's), (213, 43792),

Gene: Emotion_74 Start: 44679, Stop: 45029, Start Num: 159
Candidate Starts for Emotion_74:
(Start: 159 @44679 has 700 MA's), (249, 44970),

Gene: EmyBug_4 Start: 2332, Stop: 2625, Start Num: 159
Candidate Starts for EmyBug_4:
(Start: 134 @2305 has 2 MA's), (Start: 159 @2332 has 700 MA's), (204, 2434), (210, 2452),

Gene: EnalisNailo_76 Start: 50668, Stop: 50958, Start Num: 174
Candidate Starts for EnalisNailo_76:
(32, 50335), (51, 50422), (55, 50434), (58, 50437), (115, 50572), (Start: 174 @50668 has 22 MA's),

Gene: Engineer_14 Start: 3268, Stop: 3576, Start Num: 168
Candidate Starts for Engineer_14:
(140, 3238), (Start: 168 @3268 has 26 MA's), (226, 3460), (242, 3532),

Gene: EnochSoames_2 Start: 742, Stop: 1056, Start Num: 159
Candidate Starts for EnochSoames_2:
(Start: 68 @613 has 2 MA's), (Start: 150 @733 has 52 MA's), (Start: 159 @742 has 700 MA's), (215, 898),

Gene: EnzoK_1 Start: 607, Stop: 903, Start Num: 159
Candidate Starts for EnzoK_1:
(Start: 159 @607 has 700 MA's), (210, 730), (242, 856),

Gene: EpicPhail_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for EpicPhail_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Epsocamisio_4 Start: 2278, Stop: 2574, Start Num: 159
Candidate Starts for Epsocamisio_4:
(Start: 159 @2278 has 700 MA's), (196, 2368),

Gene: Equemioh13_5 Start: 2624, Stop: 2920, Start Num: 159
Candidate Starts for Equemioh13_5:
(61, 2423), (Start: 159 @2624 has 700 MA's),

Gene: Eraser_69 Start: 43240, Stop: 43542, Start Num: 159
Candidate Starts for Eraser_69:
(Start: 159 @43240 has 700 MA's), (182, 43291), (Start: 188 @43306 has 126 MA's), (206, 43357), (226, 43432), (249, 43531),

Gene: EricB_4 Start: 2144, Stop: 2440, Start Num: 159
Candidate Starts for EricB_4:
(Start: 159 @2144 has 700 MA's), (213, 2279),

Gene: Eris_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Eris_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Eros_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Eros_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Esperer_2 Start: 740, Stop: 1054, Start Num: 158
Candidate Starts for Esperer_2:
(70, 629), (91, 656), (Start: 158 @740 has 54 MA's), (215, 896),

Gene: Espresso_2 Start: 832, Stop: 1128, Start Num: 159
Candidate Starts for Espresso_2:

(Start: 128 @784 has 1 MA's), (Start: 159 @832 has 700 MA's), (210, 955), (224, 1009), (234, 1045), (242, 1081),

Gene: Euphoria_2 Start: 736, Stop: 1032, Start Num: 159
Candidate Starts for Euphoria_2:
(Start: 159 @736 has 700 MA's), (210, 859), (224, 913), (234, 949), (242, 985),

Gene: Eurydice_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Eurydice_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: EvilGenius_5 Start: 2559, Stop: 2855, Start Num: 159
Candidate Starts for EvilGenius_5:
(Start: 159 @2559 has 700 MA's), (210, 2682),

Gene: Exile_60 Start: 43770, Stop: 44069, Start Num: 159
Candidate Starts for Exile_60:
(78, 43632), (Start: 159 @43770 has 700 MA's), (Start: 188 @43836 has 126 MA's), (206, 43887), (249, 44061),

Gene: ExplosioNervosa_4 Start: 2308, Stop: 2628, Start Num: 134
Candidate Starts for ExplosioNervosa_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Eyeball_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Eyeball_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: FF47_64 Start: 46067, Stop: 46366, Start Num: 179
Candidate Starts for FF47_64:
(124, 45965), (Start: 179 @46067 has 1 MA's), (Start: 184 @46094 has 15 MA's), (201, 46145), (216, 46202), (237, 46298),

Gene: Fajezeel_2 Start: 749, Stop: 1057, Start Num: 159
Candidate Starts for Fajezeel_2:
(Start: 159 @749 has 700 MA's), (210, 872), (234, 962), (242, 998),

Gene: Fameo_5 Start: 2671, Stop: 2967, Start Num: 159
Candidate Starts for Fameo_5:
(Start: 159 @2671 has 700 MA's), (210, 2794),

Gene: Farber_1 Start: 527, Stop: 820, Start Num: 159
Candidate Starts for Farber_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: Farewell_96 Start: 61361, Stop: 61663, Start Num: 171
Candidate Starts for Farewell_96:
(62, 61136), (102, 61232), (116, 61265), (132, 61301), (Start: 136 @61307 has 4 MA's), (Start: 171 @61361 has 3 MA's), (182, 61394), (251, 61652),

Gene: Fascinus_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Fascinus_1:

(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: FatCactus_1 Start: 379, Stop: 672, Start Num: 159
Candidate Starts for FatCactus_1:
(Start: 159 @379 has 700 MA's), (198, 475),

Gene: Fayely_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for Fayely_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: FeliMaine_92 Start: 49115, Stop: 49441, Start Num: 159
Candidate Starts for FeliMaine_92:
(152, 49109), (Start: 159 @49115 has 700 MA's), (Start: 178 @49157 has 4 MA's), (195, 49202), (212, 49262), (223, 49322), (236, 49382),

Gene: Fenn_1 Start: 606, Stop: 902, Start Num: 159
Candidate Starts for Fenn_1:
(Start: 119 @543 has 5 MA's), (Start: 136 @579 has 4 MA's), (142, 588), (Start: 159 @606 has 700 MA's), (210, 729), (224, 783), (234, 819), (242, 855),

Gene: Fernando_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Fernando_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Fibonacci_4 Start: 2359, Stop: 2655, Start Num: 159
Candidate Starts for Fibonacci_4:
(Start: 159 @2359 has 700 MA's), (Start: 178 @2392 has 4 MA's), (196, 2449), (252, 2650),

Gene: FiringLine_5 Start: 2568, Stop: 2864, Start Num: 159
Candidate Starts for FiringLine_5:
(Start: 159 @2568 has 700 MA's), (210, 2691),

Gene: First_004 Start: 2483, Stop: 2779, Start Num: 159
Candidate Starts for First_004:
(Start: 159 @2483 has 700 MA's),

Gene: Flare16_5 Start: 2624, Stop: 2920, Start Num: 159
Candidate Starts for Flare16_5:
(61, 2423), (Start: 159 @2624 has 700 MA's),

Gene: Flaverint_4 Start: 2356, Stop: 2652, Start Num: 159
Candidate Starts for Flaverint_4:
(Start: 159 @2356 has 700 MA's), (Start: 178 @2389 has 4 MA's), (196, 2446), (252, 2647),

Gene: Floof_81 Start: 48040, Stop: 48342, Start Num: 159
Candidate Starts for Floof_81:
(59, 47851), (92, 47941), (125, 47998), (Start: 159 @48040 has 700 MA's), (Start: 188 @48106 has 126 MA's), (213, 48181), (215, 48193),

Gene: Floral_80 Start: 52125, Stop: 52415, Start Num: 174
Candidate Starts for Floral_80:

(10, 51612), (26, 51762), (27, 51771), (31, 51798), (34, 51816), (39, 51840), (51, 51879), (55, 51891), (58, 51894), (115, 52029), (Start: 174 @52125 has 22 MA's),

Gene: Florean_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Florean_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Flutur_69 Start: 43582, Stop: 43884, Start Num: 159
Candidate Starts for Flutur_69:
(Start: 159 @43582 has 700 MA's), (182, 43633), (Start: 188 @43648 has 126 MA's), (206, 43699), (226, 43774), (249, 43873),

Gene: Flux_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Flux_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: FlyCatcher_1 Start: 396, Stop: 692, Start Num: 149
Candidate Starts for FlyCatcher_1:
(95, 300), (Start: 149 @396 has 6 MA's), (240, 642),

Gene: Footloose_71 Start: 39222, Stop: 39524, Start Num: 159
Candidate Starts for Footloose_71:
(Start: 159 @39222 has 700 MA's), (Start: 188 @39288 has 126 MA's), (221, 39393), (231, 39429),

Gene: ForGetIt_1 Start: 561, Stop: 860, Start Num: 156
Candidate Starts for ForGetIt_1:
(64, 372), (Start: 156 @561 has 31 MA's), (204, 669), (222, 741), (240, 810), (252, 855),

Gene: Forester_71 Start: 47373, Stop: 47675, Start Num: 159
Candidate Starts for Forester_71:
(Start: 159 @47373 has 700 MA's),

Gene: ForesterFrank_4 Start: 2285, Stop: 2581, Start Num: 159
Candidate Starts for ForesterFrank_4:
(Start: 159 @2285 has 700 MA's),

Gene: Forsytheast_1 Start: 596, Stop: 892, Start Num: 159
Candidate Starts for Forsytheast_1:
(Start: 119 @533 has 5 MA's), (Start: 136 @569 has 4 MA's), (142, 578), (Start: 159 @596 has 700 MA's), (210, 719), (224, 773), (234, 809), (242, 845),

Gene: Francis47_2 Start: 835, Stop: 1131, Start Num: 159
Candidate Starts for Francis47_2:
(Start: 128 @787 has 1 MA's), (Start: 159 @835 has 700 MA's), (210, 958), (234, 1048), (242, 1084),

Gene: Fred313_1 Start: 416, Stop: 712, Start Num: 149
Candidate Starts for Fred313_1:
(Start: 77 @293 has 2 MA's), (145, 410), (Start: 149 @416 has 6 MA's), (213, 551),

Gene: Fribs8_67 Start: 45643, Stop: 45981, Start Num: 169
Candidate Starts for Fribs8_67:
(Start: 169 @45643 has 27 MA's), (215, 45781), (233, 45850),

Gene: Froghopper_2 Start: 749, Stop: 1045, Start Num: 159
Candidate Starts for Froghopper_2:
(Start: 159 @749 has 700 MA's), (210, 872), (234, 962), (242, 998),

Gene: Funston_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Funston_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Fushigi_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for Fushigi_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: GMonster_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for GMonster_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: Gadost_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Gadost_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: GageAP_2 Start: 986, Stop: 1282, Start Num: 159
Candidate Starts for GageAP_2:
(Start: 159 @986 has 700 MA's), (210, 1109), (234, 1199), (242, 1235),

Gene: Gaia_169 Start: 83930, Stop: 84226, Start Num: 175
Candidate Starts for Gaia_169:
(Start: 175 @83930 has 3 MA's), (185, 83975), (193, 83987), (211, 84041), (215, 84062), (217, 84077), (227, 84116), (230, 84125), (232, 84131),

Gene: Gail_4 Start: 2396, Stop: 2692, Start Num: 159
Candidate Starts for Gail_4:
(Start: 159 @2396 has 700 MA's), (202, 2498), (206, 2507), (208, 2513),

Gene: Gambol_64 Start: 39755, Stop: 39997, Start Num: 184
Candidate Starts for Gambol_64:
(Start: 159 @39695 has 700 MA's), (Start: 184 @39755 has 15 MA's), (Start: 188 @39761 has 126 MA's),

Gene: Gandalf20_2 Start: 843, Stop: 1139, Start Num: 159
Candidate Starts for Gandalf20_2:
(Start: 128 @795 has 1 MA's), (Start: 159 @843 has 700 MA's), (210, 966), (224, 1020), (234, 1056), (242, 1092),

Gene: GardenState_76 Start: 44995, Stop: 45294, Start Num: 159
Candidate Starts for GardenState_76:
(141, 44971), (Start: 159 @44995 has 700 MA's),

Gene: Gattaca_91 Start: 49103, Stop: 49429, Start Num: 158
Candidate Starts for Gattaca_91:
(Start: 158 @49103 has 54 MA's), (Start: 178 @49145 has 4 MA's), (195, 49190), (212, 49250), (223, 49310), (236, 49370),

Gene: GaugeLDP_4 Start: 2092, Stop: 2388, Start Num: 159

Candidate Starts for GaugeLDP_4:
(Start: 159 @2092 has 700 MA's),

Gene: Geeche_13 Start: 3085, Stop: 3393, Start Num: 168
Candidate Starts for Geeche_13:
(140, 3055), (Start: 168 @3085 has 26 MA's), (242, 3349),

Gene: Gemma_1 Start: 522, Stop: 824, Start Num: 150
Candidate Starts for Gemma_1:
(Start: 150 @522 has 52 MA's), (Start: 159 @531 has 700 MA's), (Start: 188 @597 has 126 MA's),

Gene: Georgie2_5 Start: 2570, Stop: 2866, Start Num: 159
Candidate Starts for Georgie2_5:
(Start: 159 @2570 has 700 MA's), (210, 2693),

Gene: GiKK_75 Start: 47115, Stop: 47441, Start Num: 148
Candidate Starts for GiKK_75:
(123, 47070), (Start: 148 @47115 has 1 MA's), (164, 47136), (Start: 169 @47145 has 27 MA's), (183, 47190), (196, 47229), (200, 47244), (214, 47277), (218, 47304), (224, 47328), (226, 47331),

Gene: Gilberta_4 Start: 2353, Stop: 2649, Start Num: 159
Candidate Starts for Gilberta_4:
(Start: 159 @2353 has 700 MA's), (Start: 178 @2386 has 4 MA's), (196, 2443), (252, 2644),

Gene: GingkoMaracino_1 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for GingkoMaracino_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Giorgio_62 Start: 39658, Stop: 39900, Start Num: 184
Candidate Starts for Giorgio_62:
(Start: 159 @39598 has 700 MA's), (Start: 184 @39658 has 15 MA's), (Start: 188 @39664 has 126 MA's),

Gene: GirlDinner_2 Start: 690, Stop: 1004, Start Num: 159
Candidate Starts for GirlDinner_2:
(Start: 159 @690 has 700 MA's), (Start: 188 @759 has 126 MA's), (213, 834),

Gene: Giroux_1 Start: 420, Stop: 716, Start Num: 159
Candidate Starts for Giroux_1:
(Start: 159 @420 has 700 MA's), (213, 555),

Gene: Gladiator_4 Start: 2133, Stop: 2429, Start Num: 159
Candidate Starts for Gladiator_4:
(Start: 159 @2133 has 700 MA's), (213, 2268),

Gene: Goby_2 Start: 723, Stop: 1034, Start Num: 158
Candidate Starts for Goby_2:
(Start: 68 @588 has 2 MA's), (Start: 158 @723 has 54 MA's), (190, 795), (199, 825), (210, 852), (226, 915),

Gene: Godpower_2 Start: 615, Stop: 1037, Start Num: 74
Candidate Starts for Godpower_2:
(Start: 74 @615 has 1 MA's), (Start: 158 @726 has 54 MA's), (190, 798), (199, 828), (210, 855),

Gene: GoldHunter_71 Start: 46279, Stop: 46569, Start Num: 169
Candidate Starts for GoldHunter_71:
(Start: 154 @46258 has 2 MA's), (Start: 169 @46279 has 27 MA's), (207, 46378),

Gene: Gompeii16_2 Start: 835, Stop: 1131, Start Num: 159
Candidate Starts for Gompeii16_2:
(Start: 128 @787 has 1 MA's), (Start: 159 @835 has 700 MA's), (210, 958), (234, 1048), (242, 1084),

Gene: GoongGoong_93 Start: 48909, Stop: 49235, Start Num: 158
Candidate Starts for GoongGoong_93:
(Start: 158 @48909 has 54 MA's), (Start: 178 @48951 has 4 MA's), (195, 48996), (212, 49056), (223, 49116), (236, 49176),

Gene: Goose_1 Start: 462, Stop: 758, Start Num: 150
Candidate Starts for Goose_1:
(Start: 150 @462 has 52 MA's),

Gene: Graduation_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Graduation_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 154 @595 has 2 MA's), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Gratitude_5 Start: 2624, Stop: 2920, Start Num: 159
Candidate Starts for Gratitude_5:
(61, 2423), (Start: 159 @2624 has 700 MA's),

Gene: GrecoEtereo_2 Start: 749, Stop: 1057, Start Num: 159
Candidate Starts for GrecoEtereo_2:
(Start: 159 @749 has 700 MA's), (210, 872), (234, 962), (242, 998),

Gene: GreedyLawyer_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for GreedyLawyer_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: GreenWeasel_1 Start: 591, Stop: 905, Start Num: 159
Candidate Starts for GreenWeasel_1:
(Start: 159 @591 has 700 MA's), (205, 708), (213, 735), (236, 837), (255, 900),

Gene: Greg_2 Start: 749, Stop: 1057, Start Num: 159
Candidate Starts for Greg_2:
(Start: 159 @749 has 700 MA's), (210, 872), (234, 962), (242, 998),

Gene: Gretchen_74 Start: 47033, Stop: 47335, Start Num: 159
Candidate Starts for Gretchen_74:
(Start: 159 @47033 has 700 MA's), (Start: 188 @47099 has 126 MA's), (206, 47150), (213, 47174),

Gene: Grif_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Grif_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: GroundGoblin_2 Start: 750, Stop: 1046, Start Num: 159
Candidate Starts for GroundGoblin_2:

(Start: 159 @750 has 700 MA's), (210, 873), (234, 963), (242, 999),

Gene: Groupthink_2 Start: 531, Stop: 824, Start Num: 159
Candidate Starts for Groupthink_2:
(Start: 150 @522 has 52 MA's), (Start: 159 @531 has 700 MA's), (Start: 188 @597 has 126 MA's),

Gene: Grub_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Grub_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Grum1_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Grum1_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Gruunaga_4 Start: 2133, Stop: 2429, Start Num: 159
Candidate Starts for Gruunaga_4:
(Start: 159 @2133 has 700 MA's), (213, 2268),

Gene: GtownJaz_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for GtownJaz_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Gumpizza_62 Start: 39614, Stop: 39856, Start Num: 184
Candidate Starts for Gumpizza_62:
(Start: 159 @39554 has 700 MA's), (Start: 184 @39614 has 15 MA's), (Start: 188 @39620 has 126 MA's),

Gene: Gwendoluna_1 Start: 600, Stop: 896, Start Num: 159
Candidate Starts for Gwendoluna_1:
(Start: 159 @600 has 700 MA's), (210, 723), (234, 813), (242, 849),

Gene: Gwennie_1 Start: 592, Stop: 819, Start Num: 188
Candidate Starts for Gwennie_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Gyzlar_2 Start: 742, Stop: 1038, Start Num: 159
Candidate Starts for Gyzlar_2:
(Start: 159 @742 has 700 MA's), (210, 865), (234, 955), (242, 991),

Gene: HINdeR_1 Start: 411, Stop: 704, Start Num: 159
Candidate Starts for HINdeR_1:
(Start: 159 @411 has 700 MA's), (187, 477), (240, 654), (246, 672),

Gene: Haizum_2 Start: 652, Stop: 966, Start Num: 159
Candidate Starts for Haizum_2:
(Start: 150 @643 has 52 MA's), (Start: 159 @652 has 700 MA's), (213, 796), (221, 829),

Gene: Halsey_63 Start: 39841, Stop: 40083, Start Num: 184
Candidate Starts for Halsey_63:
(Start: 159 @39781 has 700 MA's), (Start: 184 @39841 has 15 MA's), (Start: 188 @39847 has 126 MA's),

Gene: Hami1_1 Start: 598, Stop: 894, Start Num: 159

Candidate Starts for Hami1_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Hammer_4 Start: 2132, Stop: 2428, Start Num: 159
Candidate Starts for Hammer_4:
(Start: 159 @2132 has 700 MA's), (213, 2267),

Gene: Hank144_2 Start: 693, Stop: 1007, Start Num: 159
Candidate Starts for Hank144_2:
(Start: 108 @618 has 1 MA's), (112, 624), (Start: 159 @693 has 700 MA's), (Start: 188 @762 has 126 MA's), (213, 837), (215, 849),

Gene: Hanray_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for Hanray_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Happiness_1 Start: 537, Stop: 764, Start Num: 188
Candidate Starts for Happiness_1:
(Start: 188 @537 has 126 MA's), (242, 723),

Gene: HarryHoudini_5 Start: 2627, Stop: 2923, Start Num: 159
Candidate Starts for HarryHoudini_5:
(61, 2426), (Start: 159 @2627 has 700 MA's),

Gene: HarryOW_2 Start: 749, Stop: 1057, Start Num: 159
Candidate Starts for HarryOW_2:
(Start: 159 @749 has 700 MA's), (210, 872), (234, 962), (242, 998),

Gene: HashRod_2 Start: 518, Stop: 820, Start Num: 150
Candidate Starts for HashRod_2:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: HaveUMetTed_2 Start: 531, Stop: 824, Start Num: 159
Candidate Starts for HaveUMetTed_2:
(Start: 150 @522 has 52 MA's), (Start: 159 @531 has 700 MA's), (Start: 188 @597 has 126 MA's),

Gene: Heathen_1 Start: 293, Stop: 712, Start Num: 77
Candidate Starts for Heathen_1:
(Start: 77 @293 has 2 MA's), (145, 410), (Start: 149 @416 has 6 MA's), (213, 551),

Gene: Heffalump_5 Start: 2671, Stop: 2967, Start Num: 159
Candidate Starts for Heffalump_5:
(Start: 159 @2671 has 700 MA's), (210, 2794),

Gene: HelDan_1 Start: 293, Stop: 712, Start Num: 77
Candidate Starts for HelDan_1:
(Start: 77 @293 has 2 MA's), (145, 410), (Start: 149 @416 has 6 MA's), (213, 551),

Gene: Heliosoles_1 Start: 522, Stop: 824, Start Num: 150
Candidate Starts for Heliosoles_1:
(Start: 150 @522 has 52 MA's), (Start: 159 @531 has 700 MA's), (Start: 188 @597 has 126 MA's),

Gene: Helmet_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Helmet_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Herbertwm_1 Start: 414, Stop: 710, Start Num: 159
Candidate Starts for Herbertwm_1:
(109, 327), (111, 330), (Start: 159 @414 has 700 MA's), (198, 513),

Gene: Hercules11_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Hercules11_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Hermia_2 Start: 750, Stop: 1046, Start Num: 159
Candidate Starts for Hermia_2:
(Start: 159 @750 has 700 MA's), (210, 873), (234, 963), (242, 999),

Gene: HermioneGrange_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for HermioneGrange_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: Hexamo_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Hexamo_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Hippo_2 Start: 729, Stop: 1040, Start Num: 158
Candidate Starts for Hippo_2:
(80, 627), (Start: 158 @729 has 54 MA's), (190, 801), (215, 882),

Gene: HippoHollow_4 Start: 2372, Stop: 2668, Start Num: 159
Candidate Starts for HippoHollow_4:
(Start: 159 @2372 has 700 MA's),

Gene: HippoPololi_68 Start: 45087, Stop: 45419, Start Num: 169
Candidate Starts for HippoPololi_68:
(Start: 169 @45087 has 27 MA's),

Gene: Holex_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for Holex_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Holli_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Holli_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Homines_2 Start: 832, Stop: 1128, Start Num: 159
Candidate Starts for Homines_2:
(Start: 128 @784 has 1 MA's), (Start: 159 @832 has 700 MA's), (210, 955), (234, 1045), (242, 1081),

Gene: Honk_82 Start: 49790, Stop: 50095, Start Num: 159
Candidate Starts for Honk_82:
(95, 49700), (141, 49769), (Start: 159 @49790 has 700 MA's), (Start: 184 @49850 has 15 MA's),

Gene: Hookmount_1 Start: 445, Stop: 741, Start Num: 159

Candidate Starts for Hookmount_1:
(Start: 159 @445 has 700 MA's), (213, 580),

Gene: Hoot_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Hoot_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Hope4ever_1 Start: 600, Stop: 896, Start Num: 159
Candidate Starts for Hope4ever_1:
(Start: 119 @537 has 5 MA's), (Start: 136 @573 has 4 MA's), (142, 582), (Start: 154 @597 has 2 MA's), (Start: 159 @600 has 700 MA's), (210, 723), (234, 813), (242, 849),

Gene: Horseradish_71 Start: 45465, Stop: 45743, Start Num: 167
Candidate Starts for Horseradish_71:
(Start: 167 @45465 has 3 MA's), (Start: 169 @45468 has 27 MA's), (182, 45510), (Start: 186 @45522 has 1 MA's), (192, 45534), (215, 45585), (220, 45612), (221, 45615),

Gene: HortumSL17_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for HortumSL17_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Houdini22_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Houdini22_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: HuhtaEnerson15_1 Start: 535, Stop: 834, Start Num: 156
Candidate Starts for HuhtaEnerson15_1:
(Start: 156 @535 has 31 MA's), (204, 643), (222, 715), (240, 784), (252, 829),

Gene: Huphlepuff_94 Start: 48678, Stop: 49004, Start Num: 159
Candidate Starts for Huphlepuff_94:
(152, 48672), (Start: 159 @48678 has 700 MA's), (Start: 178 @48720 has 4 MA's), (195, 48765), (212, 48825), (223, 48885), (236, 48945),

Gene: Hutc2_4 Start: 2359, Stop: 2655, Start Num: 159
Candidate Starts for Hutc2_4:
(Start: 159 @2359 has 700 MA's), (Start: 178 @2392 has 4 MA's), (196, 2449), (252, 2650),

Gene: Huxley_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Huxley_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Hydra_3 Start: 739, Stop: 1053, Start Num: 158
Candidate Starts for Hydra_3:
(Start: 158 @739 has 54 MA's), (215, 895),

Gene: IAmGroot_75 Start: 45197, Stop: 45496, Start Num: 159
Candidate Starts for IAmGroot_75:
(141, 45173), (Start: 159 @45197 has 700 MA's),

Gene: ICleared_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for ICleared_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: ILeeKay_1 Start: 547, Stop: 843, Start Num: 159
Candidate Starts for ILeeKay_1:
(Start: 119 @484 has 5 MA's), (Start: 136 @520 has 4 MA's), (142, 529), (Start: 159 @547 has 700 MA's), (210, 670), (234, 760), (242, 796),

Gene: IUFootball_70 Start: 45434, Stop: 45733, Start Num: 159
Candidate Starts for IUFootball_70:
(Start: 159 @45434 has 700 MA's), (Start: 188 @45500 has 126 MA's), (190, 45503), (223, 45620), (249, 45725),

Gene: Ibrahim_59 Start: 41099, Stop: 41398, Start Num: 82
Candidate Starts for Ibrahim_59:
(Start: 82 @41099 has 6 MA's), (215, 41222),

Gene: Iceman_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Iceman_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Ichabod_2 Start: 749, Stop: 1045, Start Num: 159
Candidate Starts for Ichabod_2:
(Start: 159 @749 has 700 MA's), (210, 872), (242, 998),

Gene: IgnatiusPatJac_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for IgnatiusPatJac_1:
(Start: 136 @570 has 4 MA's), (142, 579), (Start: 154 @594 has 2 MA's), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: Imbriano_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Imbriano_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Indigo_2 Start: 740, Stop: 1054, Start Num: 158
Candidate Starts for Indigo_2:
(70, 629), (91, 656), (Start: 158 @740 has 54 MA's), (215, 896),

Gene: Indra_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Indra_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Insomnia_4 Start: 2356, Stop: 2652, Start Num: 159
Candidate Starts for Insomnia_4:
(Start: 159 @2356 has 700 MA's), (Start: 178 @2389 has 4 MA's), (196, 2446), (252, 2647),

Gene: Inyanga_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Inyanga_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 154 @596 has 2 MA's), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: Iqorha_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Iqorha_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 154 @596 has 2 MA's), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: Iracema64_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Iracema64_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: IronMan_4 Start: 2114, Stop: 2410, Start Num: 159
Candidate Starts for IronMan_4:
(Start: 159 @2114 has 700 MA's), (198, 2213), (228, 2309),

Gene: Isca_1 Start: 420, Stop: 716, Start Num: 159
Candidate Starts for Isca_1:
(90, 318), (146, 411), (Start: 159 @420 has 700 MA's), (213, 555),

Gene: Isiphiwo_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Isiphiwo_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Issmi_2 Start: 651, Stop: 965, Start Num: 159
Candidate Starts for Issmi_2:
(Start: 159 @651 has 700 MA's), (213, 795), (221, 828), (255, 960),

Gene: Iter_70 Start: 43593, Stop: 43895, Start Num: 159
Candidate Starts for Iter_70:
(Start: 159 @43593 has 700 MA's), (Start: 188 @43659 has 126 MA's), (206, 43710), (226, 43785), (249, 43884),

Gene: IttyBittyPiggy_70 Start: 41834, Stop: 42145, Start Num: 159
Candidate Starts for IttyBittyPiggy_70:
(Start: 159 @41834 has 700 MA's), (226, 42026), (249, 42125),

Gene: Itza_2 Start: 744, Stop: 1058, Start Num: 159
Candidate Starts for Itza_2:
(Start: 159 @744 has 700 MA's), (213, 888),

Gene: Iwokeuplikedis_5 Start: 2364, Stop: 2660, Start Num: 159
Candidate Starts for Iwokeuplikedis_5:
(Start: 159 @2364 has 700 MA's),

Gene: Izzy_2 Start: 793, Stop: 1107, Start Num: 158
Candidate Starts for Izzy_2:
(105, 715), (Start: 158 @793 has 54 MA's), (215, 949),

Gene: JC27_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for JC27_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: JF2_1 Start: 419, Stop: 715, Start Num: 159
Candidate Starts for JF2_1:
(Start: 77 @293 has 2 MA's), (145, 410), (Start: 159 @419 has 700 MA's), (213, 554),

Gene: JF4_1 Start: 419, Stop: 715, Start Num: 159
Candidate Starts for JF4_1:
(Start: 77 @293 has 2 MA's), (145, 410), (Start: 159 @419 has 700 MA's), (213, 554),

Gene: JHC117_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for JHC117_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: JSwag_4 Start: 2278, Stop: 2574, Start Num: 159
Candidate Starts for JSwag_4:
(Start: 159 @2278 has 700 MA's), (196, 2368),

Gene: Jaan_4 Start: 2110, Stop: 2406, Start Num: 159
Candidate Starts for Jaan_4:
(Start: 159 @2110 has 700 MA's), (198, 2209), (228, 2305),

Gene: Jabiru_1 Start: 502, Stop: 801, Start Num: 156
Candidate Starts for Jabiru_1:
(Start: 156 @502 has 31 MA's), (Start: 167 @517 has 3 MA's), (204, 610), (240, 751), (252, 796),

Gene: Jabith_4 Start: 2356, Stop: 2652, Start Num: 159
Candidate Starts for Jabith_4:
(Start: 159 @2356 has 700 MA's), (Start: 178 @2389 has 4 MA's), (196, 2446), (252, 2647),

Gene: Jablanski_82 Start: 53171, Stop: 53461, Start Num: 174
Candidate Starts for Jablanski_82:
(Start: 136 @53114 has 4 MA's), (141, 53120), (Start: 174 @53171 has 22 MA's),

Gene: JackSparrow_1 Start: 596, Stop: 892, Start Num: 159
Candidate Starts for JackSparrow_1:
(Start: 136 @569 has 4 MA's), (142, 578), (Start: 154 @593 has 2 MA's), (Start: 159 @596 has 700 MA's), (210, 719), (234, 809), (242, 845),

Gene: JacoRen57_63 Start: 47251, Stop: 47520, Start Num: 189
Candidate Starts for JacoRen57_63:
(173, 47200), (Start: 189 @47251 has 2 MA's), (226, 47383), (235, 47419),

Gene: Jamzy_76 Start: 46875, Stop: 47171, Start Num: 169
Candidate Starts for Jamzy_76:
(123, 46800), (Start: 148 @46845 has 1 MA's), (164, 46866), (Start: 169 @46875 has 27 MA's), (183, 46920), (196, 46959), (200, 46974), (214, 47007), (218, 47034), (224, 47058), (226, 47061),

Gene: Janeemi_69 Start: 43509, Stop: 43811, Start Num: 159
Candidate Starts for Janeemi_69:
(Start: 159 @43509 has 700 MA's), (Start: 188 @43575 has 126 MA's), (206, 43626), (226, 43701), (249, 43800),

Gene: Janus_3 Start: 1027, Stop: 1341, Start Num: 159
Candidate Starts for Janus_3:
(Start: 159 @1027 has 700 MA's), (Start: 188 @1096 has 126 MA's), (213, 1171),

Gene: Jash_2 Start: 746, Stop: 1060, Start Num: 158
Candidate Starts for Jash_2:
(105, 668), (Start: 158 @746 has 54 MA's), (215, 902),

Gene: JasmineDragon_70 Start: 43243, Stop: 43605, Start Num: 159

Candidate Starts for JasmineDragon_70:
(84, 43126), (Start: 159 @43243 has 700 MA's), (Start: 184 @43312 has 15 MA's), (Start: 188 @43318 has 126 MA's), (244, 43513), (254, 43555),

Gene: Jasper_2 Start: 863, Stop: 1171, Start Num: 159
Candidate Starts for Jasper_2:
(Start: 128 @815 has 1 MA's), (Start: 159 @863 has 700 MA's), (210, 986), (234, 1076), (242, 1112),

Gene: Jaykayelowell_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Jaykayelowell_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Jeeves_4 Start: 2418, Stop: 2714, Start Num: 159
Candidate Starts for Jeeves_4:
(Start: 159 @2418 has 700 MA's), (206, 2529), (208, 2535),

Gene: Jeffabunny_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Jeffabunny_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: JenCasNa_1 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for JenCasNa_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: JeppNRM_2 Start: 531, Stop: 824, Start Num: 159
Candidate Starts for JeppNRM_2:
(Start: 150 @522 has 52 MA's), (Start: 159 @531 has 700 MA's), (Start: 188 @597 has 126 MA's),

Gene: Jerm_5 Start: 2548, Stop: 2844, Start Num: 159
Candidate Starts for Jerm_5:
(Start: 159 @2548 has 700 MA's), (210, 2671),

Gene: Jerm2_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for Jerm2_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: JetBlade_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for JetBlade_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Jevington_3 Start: 1035, Stop: 1349, Start Num: 159
Candidate Starts for Jevington_3:
(Start: 108 @963 has 1 MA's), (Start: 150 @1029 has 52 MA's), (Start: 159 @1035 has 700 MA's), (Start: 188 @1104 has 126 MA's), (213, 1179), (221, 1212),

Gene: JewelBug_4 Start: 2144, Stop: 2440, Start Num: 159
Candidate Starts for JewelBug_4:
(Start: 159 @2144 has 700 MA's), (213, 2279),

Gene: Jhitchelle_2 Start: 945, Stop: 1259, Start Num: 159
Candidate Starts for Jhitchelle_2:
(151, 939), (Start: 159 @945 has 700 MA's), (213, 1089), (221, 1122),

Gene: Jiawan_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for Jiawan_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Jobu08_1 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for Jobu08_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Joemato_71 Start: 43479, Stop: 43781, Start Num: 159
Candidate Starts for Joemato_71:
(Start: 159 @43479 has 700 MA's), (182, 43530), (Start: 188 @43545 has 126 MA's), (206, 43596), (226, 43671), (249, 43770),

Gene: JohnDoe_70 Start: 43395, Stop: 43697, Start Num: 159
Candidate Starts for JohnDoe_70:
(Start: 159 @43395 has 700 MA's), (182, 43446), (Start: 188 @43461 has 126 MA's), (206, 43512), (226, 43587), (249, 43686),

Gene: JohnThicc_67 Start: 42884, Stop: 43249, Start Num: 159
Candidate Starts for JohnThicc_67:
(44, 42650), (78, 42755), (84, 42764), (Start: 159 @42884 has 700 MA's), (Start: 184 @42953 has 15 MA's), (Start: 188 @42959 has 126 MA's), (226, 43085), (244, 43154), (249, 43184),

Gene: JoieB_93 Start: 49278, Stop: 49604, Start Num: 159
Candidate Starts for JoieB_93:
(138, 49251), (Start: 159 @49278 has 700 MA's), (Start: 178 @49320 has 4 MA's), (195, 49365), (212, 49425), (223, 49485), (236, 49545),

Gene: JonJames_13 Start: 3969, Stop: 4277, Start Num: 168
Candidate Starts for JonJames_13:
(Start: 168 @3969 has 26 MA's), (221, 4143), (226, 4161), (233, 4182),

Gene: JoongJeon_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for JoongJeon_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Jordennis_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Jordennis_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Jorgensen_2 Start: 833, Stop: 1129, Start Num: 159
Candidate Starts for Jorgensen_2:
(Start: 128 @785 has 1 MA's), (Start: 159 @833 has 700 MA's), (210, 956), (224, 1010), (234, 1046), (242, 1082),

Gene: Joselito_4 Start: 2356, Stop: 2652, Start Num: 159
Candidate Starts for Joselito_4:
(Start: 159 @2356 has 700 MA's), (Start: 178 @2389 has 4 MA's), (196, 2446), (252, 2647),

Gene: JoshKayV_5 Start: 2563, Stop: 2859, Start Num: 159
Candidate Starts for JoshKayV_5:
(Start: 159 @2563 has 700 MA's), (210, 2686),

Gene: Journey13_4 Start: 2424, Stop: 2720, Start Num: 159
Candidate Starts for Journey13_4:
(Start: 159 @2424 has 700 MA's), (196, 2514),

Gene: Jovo_1 Start: 535, Stop: 834, Start Num: 156
Candidate Starts for Jovo_1:
(Start: 156 @535 has 31 MA's), (204, 643), (222, 715), (240, 784), (252, 829),

Gene: Jsquared_4 Start: 2327, Stop: 2623, Start Num: 159
Candidate Starts for Jsquared_4:
(Start: 159 @2327 has 700 MA's),

Gene: Jstan_70 Start: 43158, Stop: 43409, Start Num: 182
Candidate Starts for Jstan_70:
(Start: 159 @43107 has 700 MA's), (182, 43158), (Start: 188 @43173 has 126 MA's), (206, 43224), (226, 43299), (249, 43398),

Gene: Juicebox_59 Start: 41044, Stop: 41346, Start Num: 166
Candidate Starts for Juicebox_59:
(155, 41038), (Start: 166 @41044 has 1 MA's), (221, 41221),

Gene: JuliaChild_2 Start: 834, Stop: 1130, Start Num: 159
Candidate Starts for JuliaChild_2:
(Start: 128 @786 has 1 MA's), (Start: 159 @834 has 700 MA's), (210, 957), (234, 1047), (242, 1083),

Gene: JuneStar_68 Start: 44149, Stop: 44457, Start Num: 159
Candidate Starts for JuneStar_68:
(50, 43936), (Start: 159 @44149 has 700 MA's), (Start: 188 @44215 has 126 MA's), (222, 44332), (226, 44341), (249, 44440),

Gene: KADY_2 Start: 527, Stop: 820, Start Num: 159
Candidate Starts for KADY_2:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: KBG_2 Start: 835, Stop: 1131, Start Num: 159
Candidate Starts for KBG_2:
(Start: 128 @787 has 1 MA's), (Start: 159 @835 has 700 MA's), (210, 958), (234, 1048), (242, 1084),

Gene: KFPoly_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for KFPoly_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: KSSJEB_1 Start: 580, Stop: 903, Start Num: 136
Candidate Starts for KSSJEB_1:
(Start: 136 @580 has 4 MA's), (142, 589), (Start: 159 @607 has 700 MA's), (210, 730), (234, 820), (242, 856),

Gene: Kachowdy_1 Start: 416, Stop: 712, Start Num: 149
Candidate Starts for Kachowdy_1:
(Start: 77 @293 has 2 MA's), (145, 410), (Start: 149 @416 has 6 MA's), (213, 551),

Gene: Kaine_3 Start: 968, Stop: 1282, Start Num: 159
Candidate Starts for Kaine_3:

(49, 755), (61, 785), (151, 962), (Start: 159 @968 has 700 MA's), (Start: 188 @1037 has 126 MA's), (213, 1112), (221, 1145),

Gene: Kalb97_2 Start: 528, Stop: 821, Start Num: 159
Candidate Starts for Kalb97_2:
(Start: 150 @519 has 52 MA's), (Start: 159 @528 has 700 MA's), (Start: 188 @594 has 126 MA's),

Gene: Kalimba_63 Start: 39732, Stop: 39974, Start Num: 184
Candidate Starts for Kalimba_63:
(Start: 159 @39672 has 700 MA's), (Start: 184 @39732 has 15 MA's), (Start: 188 @39738 has 126 MA's),

Gene: Kalnoky_2 Start: 522, Stop: 824, Start Num: 150
Candidate Starts for Kalnoky_2:
(Start: 150 @522 has 52 MA's), (Start: 159 @531 has 700 MA's), (Start: 188 @597 has 126 MA's),

Gene: Kalpine_4 Start: 2560, Stop: 2856, Start Num: 159
Candidate Starts for Kalpine_4:
(Start: 159 @2560 has 700 MA's),

Gene: Kampy_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Kampy_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Kanely_3 Start: 1297, Stop: 1593, Start Num: 159
Candidate Starts for Kanely_3:
(Start: 128 @1249 has 1 MA's), (Start: 159 @1297 has 700 MA's), (210, 1420), (234, 1510), (242, 1546),

Gene: Katalie_2 Start: 726, Stop: 1040, Start Num: 158
Candidate Starts for Katalie_2:
(67, 582), (Start: 158 @726 has 54 MA's), (190, 798), (215, 882),

Gene: Katalie136_1 Start: 542, Stop: 769, Start Num: 188
Candidate Starts for Katalie136_1:
(Start: 188 @542 has 126 MA's), (213, 608), (242, 728),

Gene: KatherineG_4 Start: 2425, Stop: 2721, Start Num: 159
Candidate Starts for KatherineG_4:
(Start: 159 @2425 has 700 MA's), (196, 2515),

Gene: KayGee_74 Start: 48035, Stop: 48361, Start Num: 157
Candidate Starts for KayGee_74:
(Start: 148 @48023 has 1 MA's), (Start: 157 @48035 has 8 MA's), (170, 48059), (Start: 189 @48113 has 2 MA's), (198, 48140), (233, 48260),

Gene: Kaylissa_71 Start: 43755, Stop: 44057, Start Num: 159
Candidate Starts for Kaylissa_71:
(Start: 159 @43755 has 700 MA's), (182, 43806), (Start: 188 @43821 has 126 MA's), (206, 43872), (226, 43947), (249, 44046),

Gene: Kazan_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Kazan_4:

(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: KeAlii_67 Start: 41473, Stop: 41784, Start Num: 159
Candidate Starts for KeAlii_67:
(Start: 159 @41473 has 700 MA's), (Start: 188 @41539 has 126 MA's), (206, 41590), (249, 41764),

Gene: Kenmech_2 Start: 758, Stop: 1054, Start Num: 159
Candidate Starts for Kenmech_2:
(Start: 159 @758 has 700 MA's), (210, 881), (224, 935), (234, 971), (242, 1007),

Gene: Kerberos_4 Start: 2345, Stop: 2641, Start Num: 159
Candidate Starts for Kerberos_4:
(Start: 159 @2345 has 700 MA's),

Gene: Keziacharles14_4 Start: 2212, Stop: 2505, Start Num: 159
Candidate Starts for Keziacharles14_4:
(Start: 159 @2212 has 700 MA's), (196, 2299), (204, 2314), (210, 2332),

Gene: KikiBouba_2 Start: 750, Stop: 1046, Start Num: 159
Candidate Starts for KikiBouba_2:
(Start: 159 @750 has 700 MA's), (210, 873), (234, 963), (242, 999),

Gene: Killigrew_1 Start: 596, Stop: 892, Start Num: 159
Candidate Starts for Killigrew_1:
(Start: 119 @533 has 5 MA's), (Start: 136 @569 has 4 MA's), (142, 578), (Start: 159 @596 has 700 MA's), (210, 719), (234, 809), (242, 845),

Gene: Kimba_4 Start: 2356, Stop: 2652, Start Num: 159
Candidate Starts for Kimba_4:
(Start: 159 @2356 has 700 MA's), (Start: 178 @2389 has 4 MA's), (196, 2446), (252, 2647),

Gene: Kimona_1 Start: 576, Stop: 872, Start Num: 159
Candidate Starts for Kimona_1:
(Start: 147 @567 has 2 MA's), (Start: 159 @576 has 700 MA's), (Start: 178 @609 has 4 MA's), (213, 711), (240, 822),

Gene: KingCyrus_5 Start: 2548, Stop: 2844, Start Num: 159
Candidate Starts for KingCyrus_5:
(Start: 159 @2548 has 700 MA's), (210, 2671),

Gene: Kingmustik0402_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Kingmustik0402_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Kinmap_4 Start: 2487, Stop: 2783, Start Num: 157
Candidate Starts for Kinmap_4:
(Start: 157 @2487 has 8 MA's),

Gene: Kipper29_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Kipper29_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: KittenMittens_1 Start: 472, Stop: 768, Start Num: 150

Candidate Starts for KittenMittens_1:
(43, 247), (Start: 150 @472 has 52 MA's), (213, 607),

Gene: Klodlith_4 Start: 2108, Stop: 2401, Start Num: 159
Candidate Starts for Klodlith_4:
(Start: 159 @2108 has 700 MA's), (196, 2195), (204, 2210), (210, 2228),

Gene: Koan_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Koan_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Koduck_4 Start: 2324, Stop: 2620, Start Num: 159
Candidate Starts for Koduck_4:
(Start: 159 @2324 has 700 MA's),

Gene: Koko_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Koko_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Koreni_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Koreni_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Kratark_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Kratark_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Kremtemulon_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Kremtemulon_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Kristoff_2 Start: 629, Stop: 925, Start Num: 150
Candidate Starts for Kristoff_2:
(Start: 101 @548 has 1 MA's), (Start: 150 @629 has 52 MA's),

Gene: Kugel_1 Start: 596, Stop: 904, Start Num: 159
Candidate Starts for Kugel_1:
(120, 533), (Start: 136 @569 has 4 MA's), (142, 578), (Start: 159 @596 has 700 MA's), (210, 719), (234, 809), (242, 845),

Gene: Kuwabara_94 Start: 53726, Stop: 54019, Start Num: 174
Candidate Starts for Kuwabara_94:
(Start: 174 @53726 has 22 MA's),

Gene: KyMonks1A_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for KyMonks1A_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: Kyee_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Kyee_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Kykar_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for Kykar_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: L5_4 Start: 2332, Stop: 2628, Start Num: 159
Candidate Starts for L5_4:
(Start: 159 @2332 has 700 MA's),

Gene: LBerry_1 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for LBerry_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: LHTSCC_1 Start: 460, Stop: 762, Start Num: 147
Candidate Starts for LHTSCC_1:
(Start: 87 @355 has 2 MA's), (Start: 147 @460 has 2 MA's), (Start: 188 @535 has 126 MA's), (242, 721),

Gene: LadyAstra_68 Start: 42979, Stop: 43344, Start Num: 159
Candidate Starts for LadyAstra_68:
(44, 42745), (78, 42850), (84, 42859), (Start: 159 @42979 has 700 MA's), (Start: 184 @43048 has 15 MA's), (Start: 188 @43054 has 126 MA's), (226, 43180), (244, 43249), (249, 43279),

Gene: LadyBird_4 Start: 2463, Stop: 2759, Start Num: 159
Candidate Starts for LadyBird_4:
(Start: 159 @2463 has 700 MA's), (210, 2586),

Gene: Lambert1_1 Start: 445, Stop: 741, Start Num: 159
Candidate Starts for Lambert1_1:
(Start: 159 @445 has 700 MA's), (213, 580),

Gene: Lamina13_2 Start: 750, Stop: 1046, Start Num: 159
Candidate Starts for Lamina13_2:
(Start: 159 @750 has 700 MA's), (210, 873), (234, 963), (242, 999),

Gene: Landor_4 Start: 2112, Stop: 2408, Start Num: 159
Candidate Starts for Landor_4:
(Start: 159 @2112 has 700 MA's), (198, 2211), (228, 2307),

Gene: Lannister_3 Start: 743, Stop: 1054, Start Num: 158
Candidate Starts for Lannister_3:
(126, 701), (Start: 158 @743 has 54 MA's), (215, 896),

Gene: Larenn_5 Start: 2579, Stop: 2875, Start Num: 159
Candidate Starts for Larenn_5:
(Start: 159 @2579 has 700 MA's),

Gene: LarryKay_1 Start: 527, Stop: 820, Start Num: 159
Candidate Starts for LarryKay_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: LastResort_4 Start: 2278, Stop: 2574, Start Num: 159
Candidate Starts for LastResort_4:

(Start: 159 @2278 has 700 MA's), (196, 2368),

Gene: Lauer_66 Start: 47856, Stop: 48119, Start Num: 189
Candidate Starts for Lauer_66:
(Start: 148 @47766 has 1 MA's), (Start: 157 @47778 has 8 MA's), (170, 47802), (Start: 189 @47856 has 2 MA's), (198, 47889), (233, 48015),

Gene: Legacy_2 Start: 739, Stop: 1053, Start Num: 158
Candidate Starts for Legacy_2:
(Start: 158 @739 has 54 MA's), (215, 895),

Gene: Lego_69 Start: 43077, Stop: 43379, Start Num: 159
Candidate Starts for Lego_69:
(Start: 159 @43077 has 700 MA's), (182, 43128), (Start: 188 @43143 has 126 MA's), (206, 43194), (226, 43269), (249, 43368),

Gene: Lemur_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Lemur_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Leogania_4 Start: 2319, Stop: 2615, Start Num: 159
Candidate Starts for Leogania_4:
(Start: 159 @2319 has 700 MA's), (208, 2436),

Gene: Lesedi_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Lesedi_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: Lev2_1 Start: 534, Stop: 833, Start Num: 156
Candidate Starts for Lev2_1:
(64, 372), (Start: 156 @534 has 31 MA's), (204, 642), (222, 714), (240, 783), (252, 828),

Gene: Levia_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Levia_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: Leviathan_5 Start: 2547, Stop: 2843, Start Num: 159
Candidate Starts for Leviathan_5:
(Start: 159 @2547 has 700 MA's), (210, 2670),

Gene: Leviticus_2 Start: 740, Stop: 1054, Start Num: 158
Candidate Starts for Leviticus_2:
(70, 629), (91, 656), (Start: 158 @740 has 54 MA's), (215, 896),

Gene: Licorice_2 Start: 751, Stop: 1047, Start Num: 159
Candidate Starts for Licorice_2:
(Start: 159 @751 has 700 MA's), (210, 874), (234, 964), (242, 1000),

Gene: Liebe_69 Start: 45433, Stop: 45732, Start Num: 159
Candidate Starts for Liebe_69:

(Start: 159 @45433 has 700 MA's), (Start: 188 @45499 has 126 MA's), (190, 45502), (223, 45619), (249, 45724),

Gene: Lika_2 Start: 726, Stop: 1037, Start Num: 158
Candidate Starts for Lika_2:
(Start: 74 @615 has 1 MA's), (Start: 158 @726 has 54 MA's), (190, 798), (199, 828), (210, 855),

Gene: LilBib_1 Start: 600, Stop: 896, Start Num: 159
Candidate Starts for LilBib_1:
(Start: 136 @573 has 4 MA's), (142, 582), (Start: 159 @600 has 700 MA's), (210, 723), (234, 813), (242, 849),

Gene: LilTurb_5 Start: 2548, Stop: 2844, Start Num: 159
Candidate Starts for LilTurb_5:
(Start: 159 @2548 has 700 MA's), (210, 2671),

Gene: Lilbit_88 Start: 49238, Stop: 49564, Start Num: 159
Candidate Starts for Lilbit_88:
(152, 49232), (Start: 159 @49238 has 700 MA's), (Start: 178 @49280 has 4 MA's), (195, 49325), (212, 49385), (223, 49445), (236, 49505),

Gene: Lilbunny_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Lilbunny_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Lilith_1 Start: 527, Stop: 820, Start Num: 159
Candidate Starts for Lilith_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: Lilleskat_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for Lilleskat_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: LionsBait_4 Start: 2366, Stop: 2662, Start Num: 159
Candidate Starts for LionsBait_4:
(Start: 159 @2366 has 700 MA's),

Gene: LittleB_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for LittleB_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: LittleCherry_1 Start: 535, Stop: 834, Start Num: 156
Candidate Starts for LittleCherry_1:
(Start: 156 @535 has 31 MA's), (204, 643), (222, 715), (240, 784), (252, 829),

Gene: LittleGuy_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for LittleGuy_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: LittleLaf_90 Start: 49009, Stop: 49293, Start Num: 178
Candidate Starts for LittleLaf_90:
(152, 48961), (Start: 159 @48967 has 700 MA's), (Start: 178 @49009 has 4 MA's), (195, 49054), (212, 49114), (223, 49174), (236, 49234),

Gene: Lizalica_69 Start: 42687, Stop: 42989, Start Num: 159
Candidate Starts for Lizalica_69:
(Start: 159 @42687 has 700 MA's), (182, 42738), (Start: 188 @42753 has 126 MA's), (206, 42804), (226, 42879), (249, 42978),

Gene: LochMonster_1 Start: 536, Stop: 763, Start Num: 188
Candidate Starts for LochMonster_1:
(Start: 87 @356 has 2 MA's), (Start: 188 @536 has 126 MA's), (242, 722),

Gene: Lockley_2 Start: 739, Stop: 1035, Start Num: 159
Candidate Starts for Lockley_2:
(Start: 159 @739 has 700 MA's), (210, 862), (224, 916), (234, 952), (242, 988),

Gene: Lokk_5 Start: 2540, Stop: 2836, Start Num: 159
Candidate Starts for Lokk_5:
(Start: 159 @2540 has 700 MA's),

Gene: London_69 Start: 43231, Stop: 43533, Start Num: 159
Candidate Starts for London_69:
(Start: 159 @43231 has 700 MA's), (182, 43282), (Start: 188 @43297 has 126 MA's), (206, 43348), (226, 43423), (249, 43522),

Gene: LoneWolf_4 Start: 2099, Stop: 2392, Start Num: 159
Candidate Starts for LoneWolf_4:
(Start: 159 @2099 has 700 MA's), (204, 2201), (210, 2219),

Gene: LonelyBoi_78 Start: 53256, Stop: 53543, Start Num: 174
Candidate Starts for LonelyBoi_78:
(5, 52596), (12, 52755), (15, 52785), (103, 53133), (Start: 136 @53199 has 4 MA's), (141, 53205), (Start: 174 @53256 has 22 MA's),

Gene: LongHai_67 Start: 46426, Stop: 46698, Start Num: 184
Candidate Starts for LongHai_67:
(124, 46297), (Start: 179 @46399 has 1 MA's), (Start: 184 @46426 has 15 MA's), (201, 46477), (237, 46630),

Gene: Loofah_3 Start: 682, Stop: 996, Start Num: 159
Candidate Starts for Loofah_3:
(Start: 108 @604 has 1 MA's), (151, 673), (Start: 159 @682 has 700 MA's), (213, 826), (215, 838),

Gene: Looper_4 Start: 2278, Stop: 2574, Start Num: 159
Candidate Starts for Looper_4:
(Start: 159 @2278 has 700 MA's), (196, 2368),

Gene: Lopton_2 Start: 841, Stop: 1137, Start Num: 159
Candidate Starts for Lopton_2:
(Start: 128 @793 has 1 MA's), (Start: 159 @841 has 700 MA's), (210, 964), (234, 1054), (242, 1090),

Gene: Lorelei_2 Start: 726, Stop: 1037, Start Num: 158
Candidate Starts for Lorelei_2:
(Start: 68 @591 has 2 MA's), (Start: 158 @726 has 54 MA's), (190, 798), (199, 828), (215, 879),

Gene: Lorenzo_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Lorenzo_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Loser_4 Start: 2277, Stop: 2573, Start Num: 159
Candidate Starts for Loser_4:
(Start: 159 @2277 has 700 MA's), (210, 2400),

Gene: Louie6_1 Start: 527, Stop: 820, Start Num: 159
Candidate Starts for Louie6_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: Lowa_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Lowa_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Lozinak_14 Start: 3268, Stop: 3576, Start Num: 168
Candidate Starts for Lozinak_14:
(140, 3238), (Start: 168 @3268 has 26 MA's), (226, 3460), (242, 3532),

Gene: Luchador_4 Start: 2402, Stop: 2698, Start Num: 159
Candidate Starts for Luchador_4:
(Start: 159 @2402 has 700 MA's), (202, 2504), (206, 2513), (208, 2519),

Gene: Lucivia_4 Start: 2353, Stop: 2649, Start Num: 159
Candidate Starts for Lucivia_4:
(Start: 159 @2353 has 700 MA's), (Start: 178 @2386 has 4 MA's), (196, 2443), (252, 2644),

Gene: Lucyedi_4 Start: 2125, Stop: 2418, Start Num: 159
Candidate Starts for Lucyedi_4:
(Start: 159 @2125 has 700 MA's), (Start: 188 @2191 has 126 MA's), (204, 2227), (210, 2245), (213, 2257),

Gene: LugYA_3 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for LugYA_3:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: LunaStella_101 Start: 55262, Stop: 55549, Start Num: 174
Candidate Starts for LunaStella_101:
(17, 54791), (45, 54992), (60, 55031), (79, 55097), (81, 55100), (141, 55211), (Start: 174 @55262 has 22 MA's),

Gene: LunarLander_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for LunarLander_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Lunsford_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Lunsford_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: MA5_1 Start: 429, Stop: 725, Start Num: 159
Candidate Starts for MA5_1:

(145, 420), (Start: 159 @429 has 700 MA's), (Start: 188 @498 has 126 MA's), (213, 564),

Gene: MAnor_73 Start: 48015, Stop: 48329, Start Num: 157
Candidate Starts for MAnor_73:
(Start: 148 @48003 has 1 MA's), (Start: 157 @48015 has 8 MA's), (204, 48114), (224, 48201),

Gene: MK4_1 Start: 419, Stop: 715, Start Num: 159
Candidate Starts for MK4_1:
(Start: 77 @293 has 2 MA's), (145, 410), (Start: 159 @419 has 700 MA's), (213, 554),

Gene: MPlant7149_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for MPlant7149_2:
(Start: 159 @748 has 700 MA's), (234, 961), (242, 997),

Gene: MaCh_4 Start: 2353, Stop: 2649, Start Num: 159
Candidate Starts for MaCh_4:
(Start: 159 @2353 has 700 MA's), (Start: 178 @2386 has 4 MA's), (196, 2443), (252, 2644),

Gene: MaGuCo_63 Start: 43554, Stop: 43853, Start Num: 159
Candidate Starts for MaGuCo_63:
(Start: 159 @43554 has 700 MA's), (Start: 188 @43620 has 126 MA's), (190, 43623), (223, 43740), (249, 43845),

Gene: Mabodamaca_75 Start: 48569, Stop: 48868, Start Num: 159
Candidate Starts for Mabodamaca_75:
(40, 48311), (Start: 159 @48569 has 700 MA's), (Start: 188 @48635 has 126 MA's), (206, 48686), (226, 48761),

Gene: Maco6_63 Start: 45489, Stop: 45788, Start Num: 179
Candidate Starts for Maco6_63:
(Start: 179 @45489 has 1 MA's), (Start: 184 @45516 has 15 MA's), (201, 45567), (216, 45624), (237, 45720),

Gene: MadMarie_1 Start: 518, Stop: 820, Start Num: 150
Candidate Starts for MadMarie_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: Magnar_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Magnar_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: Magnito_1 Start: 535, Stop: 894, Start Num: 119
Candidate Starts for Magnito_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Mainiac_1 Start: 527, Stop: 820, Start Num: 159
Candidate Starts for Mainiac_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: Makemake_2 Start: 1064, Stop: 1360, Start Num: 159
Candidate Starts for Makemake_2:

(Start: 136 @1034 has 4 MA's), (142, 1043), (Start: 154 @1058 has 2 MA's), (Start: 159 @1064 has 700 MA's), (210, 1187), (242, 1313),

Gene: MalagasyRose_85 Start: 53161, Stop: 53499, Start Num: 176
Candidate Starts for MalagasyRose_85:
(98, 53017), (100, 53020), (121, 53065), (139, 53101), (Start: 167 @53140 has 3 MA's), (Start: 176 @53161 has 2 MA's), (206, 53260), (226, 53341),

Gene: Malec_5 Start: 2579, Stop: 2875, Start Num: 159
Candidate Starts for Malec_5:
(Start: 159 @2579 has 700 MA's),

Gene: Malinsilva_3 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Malinsilva_3:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Maminiaina_4 Start: 2102, Stop: 2395, Start Num: 159
Candidate Starts for Maminiaina_4:
(Start: 159 @2102 has 700 MA's), (204, 2204), (210, 2222),

Gene: Manatee_2 Start: 747, Stop: 1043, Start Num: 159
Candidate Starts for Manatee_2:
(Start: 159 @747 has 700 MA's), (210, 870), (234, 960), (242, 996),

Gene: Maneekul_2 Start: 729, Stop: 1040, Start Num: 158
Candidate Starts for Maneekul_2:
(80, 627), (Start: 158 @729 has 54 MA's), (190, 801), (199, 831), (210, 858), (226, 921),

Gene: Manu_2 Start: 531, Stop: 824, Start Num: 159
Candidate Starts for Manu_2:
(Start: 150 @522 has 52 MA's), (Start: 159 @531 has 700 MA's), (Start: 188 @597 has 126 MA's),

Gene: MarQuardt_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for MarQuardt_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Marav_3 Start: 1035, Stop: 1349, Start Num: 159
Candidate Starts for Marav_3:
(80, 909), (Start: 108 @963 has 1 MA's), (Start: 150 @1029 has 52 MA's), (Start: 159 @1035 has 700 MA's), (Start: 188 @1104 has 126 MA's), (213, 1179), (221, 1212),

Gene: Marcell_2 Start: 743, Stop: 1039, Start Num: 159
Candidate Starts for Marcell_2:
(Start: 159 @743 has 700 MA's), (210, 866), (234, 956), (242, 992),

Gene: Marchy_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for Marchy_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: Marco3_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for Marco3_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: Margaret_75 Start: 46622, Stop: 46930, Start Num: 169
Candidate Starts for Margaret_75:
(103, 46505), (118, 46538), (123, 46547), (Start: 148 @46592 has 1 MA's), (164, 46613), (Start: 169 @46622 has 27 MA's), (183, 46667), (196, 46706), (200, 46721), (205, 46730), (207, 46736), (215, 46769),

Gene: Marge_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Marge_1:
(Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Margo_1 Start: 445, Stop: 741, Start Num: 159
Candidate Starts for Margo_1:
(Start: 159 @445 has 700 MA's), (213, 580),

Gene: Marie_1 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for Marie_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Marius_2 Start: 531, Stop: 824, Start Num: 159
Candidate Starts for Marius_2:
(Start: 150 @522 has 52 MA's), (Start: 159 @531 has 700 MA's), (Start: 188 @597 has 126 MA's),

Gene: Maroc7_1 Start: 600, Stop: 896, Start Num: 159
Candidate Starts for Maroc7_1:
(Start: 119 @537 has 5 MA's), (Start: 136 @573 has 4 MA's), (142, 582), (Start: 159 @600 has 700 MA's), (210, 723), (234, 813), (242, 849),

Gene: Marsha_2 Start: 1060, Stop: 1356, Start Num: 156
Candidate Starts for Marsha_2:
(Start: 136 @1033 has 4 MA's), (142, 1042), (Start: 154 @1057 has 2 MA's), (Start: 156 @1060 has 31 MA's), (210, 1183), (242, 1309),

Gene: Marvin_86 Start: 48763, Stop: 49089, Start Num: 159
Candidate Starts for Marvin_86:
(152, 48757), (Start: 159 @48763 has 700 MA's), (Start: 178 @48805 has 4 MA's), (195, 48850), (212, 48910), (223, 48970), (236, 49030),

Gene: MaryBeth_2 Start: 751, Stop: 1047, Start Num: 159
Candidate Starts for MaryBeth_2:
(Start: 159 @751 has 700 MA's), (210, 874), (234, 964), (242, 1000),

Gene: Maureen_69 Start: 45432, Stop: 45731, Start Num: 159
Candidate Starts for Maureen_69:
(Start: 159 @45432 has 700 MA's), (Start: 188 @45498 has 126 MA's), (190, 45501), (223, 45618), (249, 45723),

Gene: Maxo_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Maxo_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Mayonnaise_1 Start: 538, Stop: 765, Start Num: 188

Candidate Starts for Mayonnaise_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Mazhar510_1 Start: 539, Stop: 766, Start Num: 188
Candidate Starts for Mazhar510_1:
(Start: 188 @539 has 126 MA's), (242, 725),

Gene: McDazzle_71 Start: 47583, Stop: 47897, Start Num: 157
Candidate Starts for McDazzle_71:
(Start: 148 @47571 has 1 MA's), (Start: 157 @47583 has 8 MA's), (204, 47682), (222, 47763), (224, 47769),

Gene: McFly_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for McFly_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: McGuire_2 Start: 749, Stop: 1045, Start Num: 159
Candidate Starts for McGuire_2:
(Start: 159 @749 has 700 MA's), (210, 872), (224, 926), (234, 962), (242, 998),

Gene: McSinger_2 Start: 741, Stop: 1049, Start Num: 159
Candidate Starts for McSinger_2:
(98, 636), (Start: 159 @741 has 700 MA's), (210, 864), (234, 954), (242, 990),

Gene: Medusa_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Medusa_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Melvin_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Melvin_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Mendokysei_63 Start: 42026, Stop: 42310, Start Num: 180
Candidate Starts for Mendokysei_63:
(13, 41501), (18, 41540), (21, 41567), (37, 41678), (122, 41906), (Start: 180 @42026 has 1 MA's), (215, 42134), (222, 42173),

Gene: MetalQZJ_2 Start: 751, Stop: 1047, Start Num: 159
Candidate Starts for MetalQZJ_2:
(Start: 159 @751 has 700 MA's), (210, 874), (234, 964), (242, 1000),

Gene: Methuselah_1 Start: 527, Stop: 820, Start Num: 159
Candidate Starts for Methuselah_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: Michkear_72 Start: 45641, Stop: 45940, Start Num: 159
Candidate Starts for Michkear_72:
(Start: 159 @45641 has 700 MA's), (249, 45932),

Gene: Michley_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for Michley_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: Microwolf_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Microwolf_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: MiculUcigas_5 Start: 2624, Stop: 2920, Start Num: 159
Candidate Starts for MiculUcigas_5:
(61, 2423), (Start: 159 @2624 has 700 MA's),

Gene: Midas2_1 Start: 503, Stop: 802, Start Num: 156
Candidate Starts for Midas2_1:
(63, 368), (Start: 156 @503 has 31 MA's), (204, 611), (222, 683), (240, 752), (252, 797),

Gene: Miko_5 Start: 2518, Stop: 2814, Start Num: 159
Candidate Starts for Miko_5:
(Start: 159 @2518 has 700 MA's),

Gene: Milcery_1 Start: 534, Stop: 833, Start Num: 156
Candidate Starts for Milcery_1:
(64, 372), (Start: 156 @534 has 31 MA's), (204, 642), (222, 714), (240, 783), (252, 828),

Gene: MilleFeuille_1 Start: 606, Stop: 902, Start Num: 159
Candidate Starts for MilleFeuille_1:
(Start: 119 @543 has 5 MA's), (Start: 136 @579 has 4 MA's), (142, 588), (Start: 159 @606 has 700 MA's), (210, 729), (234, 819), (242, 855),

Gene: Millski_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Millski_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: MinecraftSteve_5 Start: 2425, Stop: 2721, Start Num: 159
Candidate Starts for MinecraftSteve_5:
(Start: 159 @2425 has 700 MA's), (196, 2515),

Gene: MiniMommy_70 Start: 43251, Stop: 43613, Start Num: 159
Candidate Starts for MiniMommy_70:
(84, 43134), (Start: 159 @43251 has 700 MA's), (Start: 184 @43320 has 15 MA's), (Start: 188 @43326 has 126 MA's), (244, 43521), (250, 43554), (254, 43563),

Gene: Miramae_1 Start: 535, Stop: 762, Start Num: 188
Candidate Starts for Miramae_1:
(Start: 87 @355 has 2 MA's), (Start: 188 @535 has 126 MA's), (242, 721),

Gene: Miskis_12 Start: 3268, Stop: 3576, Start Num: 168
Candidate Starts for Miskis_12:
(140, 3238), (Start: 168 @3268 has 26 MA's), (226, 3460), (242, 3532),

Gene: Misomonster_3 Start: 518, Stop: 838, Start Num: 150
Candidate Starts for Misomonster_3:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: MissSwiss_70 Start: 42246, Stop: 42548, Start Num: 159
Candidate Starts for MissSwiss_70:

(Start: 159 @42246 has 700 MA's), (206, 42363), (222, 42429), (249, 42537),

Gene: MissWhite_4 Start: 2314, Stop: 2610, Start Num: 159
Candidate Starts for MissWhite_4:
(Start: 159 @2314 has 700 MA's),

Gene: Mkhuseli_1 Start: 600, Stop: 896, Start Num: 159
Candidate Starts for Mkhuseli_1:
(Start: 119 @537 has 5 MA's), (Start: 136 @573 has 4 MA's), (142, 582), (Start: 159 @600 has 700 MA's), (210, 723), (234, 813), (242, 849),

Gene: Molly_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for Molly_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: Mollymur_10 Start: 5419, Stop: 5724, Start Num: 168
Candidate Starts for Mollymur_10:
(Start: 168 @5419 has 26 MA's), (221, 5590), (250, 5719),

Gene: Monet_2 Start: 750, Stop: 1046, Start Num: 159
Candidate Starts for Monet_2:
(Start: 159 @750 has 700 MA's), (210, 873), (234, 963), (242, 999),

Gene: MoneyMay_1 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for MoneyMay_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Moose_1 Start: 596, Stop: 892, Start Num: 159
Candidate Starts for Moose_1:
(Start: 119 @533 has 5 MA's), (Start: 136 @569 has 4 MA's), (142, 578), (Start: 159 @596 has 700 MA's), (210, 719), (224, 773), (234, 809), (242, 845),

Gene: Morpher26_1 Start: 542, Stop: 769, Start Num: 188
Candidate Starts for Morpher26_1:
(Start: 188 @542 has 126 MA's), (213, 608), (242, 728),

Gene: Morrow_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Morrow_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: MortyNRick_97 Start: 53600, Stop: 53893, Start Num: 174
Candidate Starts for MortyNRick_97:
(80, 53429), (Start: 174 @53600 has 22 MA's),

Gene: MosMoris_88 Start: 49109, Stop: 49435, Start Num: 158
Candidate Starts for MosMoris_88:
(Start: 158 @49109 has 54 MA's), (Start: 178 @49151 has 4 MA's), (195, 49196), (212, 49256), (223, 49316), (236, 49376),

Gene: Moss_63 Start: 39802, Stop: 40044, Start Num: 184
Candidate Starts for Moss_63:
(Start: 159 @39742 has 700 MA's), (Start: 184 @39802 has 15 MA's), (Start: 188 @39808 has 126 MA's),

Gene: MrGordo_1 Start: 570, Stop: 905, Start Num: 136
Candidate Starts for MrGordo_1:
(120, 534), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: Mryolo_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Mryolo_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: Muddy_67 Start: 46594, Stop: 46866, Start Num: 184
Candidate Starts for Muddy_67:
(124, 46465), (Start: 179 @46567 has 1 MA's), (Start: 184 @46594 has 15 MA's), (201, 46645), (216, 46702), (237, 46798),

Gene: Mudpuppy_68 Start: 43455, Stop: 43757, Start Num: 159
Candidate Starts for Mudpuppy_68:
(Start: 159 @43455 has 700 MA's), (182, 43506), (Start: 188 @43521 has 126 MA's), (206, 43572), (226, 43647), (249, 43746),

Gene: Mulciber_4 Start: 2359, Stop: 2655, Start Num: 159
Candidate Starts for Mulciber_4:
(Start: 159 @2359 has 700 MA's), (Start: 178 @2392 has 4 MA's), (196, 2449), (252, 2650),

Gene: Mule_1 Start: 595, Stop: 891, Start Num: 159
Candidate Starts for Mule_1:
(Start: 119 @532 has 5 MA's), (Start: 136 @568 has 4 MA's), (142, 577), (Start: 154 @592 has 2 MA's), (Start: 159 @595 has 700 MA's), (210, 718), (234, 808), (242, 844),

Gene: Munch_4 Start: 2356, Stop: 2652, Start Num: 159
Candidate Starts for Munch_4:
(Start: 159 @2356 has 700 MA's), (Start: 178 @2389 has 4 MA's), (196, 2446), (252, 2647),

Gene: Mundrea_1 Start: 539, Stop: 766, Start Num: 188
Candidate Starts for Mundrea_1:
(Start: 88 @359 has 1 MA's), (Start: 188 @539 has 126 MA's), (242, 725),

Gene: MunkgeeRoachy_69 Start: 45602, Stop: 45892, Start Num: 169
Candidate Starts for MunkgeeRoachy_69:
(163, 45596), (Start: 169 @45602 has 27 MA's), (207, 45701),

Gene: Museum_3 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for Museum_3:
(Start: 159 @748 has 700 MA's), (234, 961), (242, 997),

Gene: MyraDee_1 Start: 377, Stop: 667, Start Num: 161
Candidate Starts for MyraDee_1:
(Start: 161 @377 has 1 MA's), (Start: 188 @440 has 126 MA's), (213, 506), (240, 617),

Gene: Mysterium_62 Start: 39643, Stop: 39885, Start Num: 184
Candidate Starts for Mysterium_62:

(Start: 159 @39583 has 700 MA's), (Start: 184 @39643 has 15 MA's), (Start: 188 @39649 has 126 MA's),

Gene: Myxus_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for Myxus_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: NEHalo_2 Start: 747, Stop: 1043, Start Num: 159
Candidate Starts for NEHalo_2:
(Start: 159 @747 has 700 MA's), (210, 870), (234, 960), (242, 996),

Gene: NaSiaTalie_5 Start: 2624, Stop: 2920, Start Num: 159
Candidate Starts for NaSiaTalie_5:
(61, 2423), (Start: 159 @2624 has 700 MA's),

Gene: Nabi_2 Start: 726, Stop: 1037, Start Num: 158
Candidate Starts for Nabi_2:
(Start: 68 @591 has 2 MA's), (Start: 158 @726 has 54 MA's), (190, 798), (199, 828), (215, 879),

Gene: Naca_1 Start: 505, Stop: 804, Start Num: 156
Candidate Starts for Naca_1:
(Start: 156 @505 has 31 MA's), (Start: 167 @520 has 3 MA's), (204, 613), (240, 754), (252, 799),

Gene: Naira_1 Start: 606, Stop: 902, Start Num: 159
Candidate Starts for Naira_1:
(Start: 119 @543 has 5 MA's), (Start: 136 @579 has 4 MA's), (142, 588), (Start: 159 @606 has 700 MA's), (210, 729), (224, 783), (234, 819), (242, 855),

Gene: Nairb_57 Start: 40896, Stop: 41195, Start Num: 82
Candidate Starts for Nairb_57:
(36, 40761), (48, 40821), (Start: 82 @40896 has 6 MA's), (215, 41019),

Gene: Naji_4 Start: 2345, Stop: 2641, Start Num: 159
Candidate Starts for Naji_4:
(Start: 159 @2345 has 700 MA's),

Gene: Nanodon_3 Start: 713, Stop: 1027, Start Num: 158
Candidate Starts for Nanodon_3:
(75, 602), (105, 632), (Start: 158 @713 has 54 MA's), (190, 785), (215, 869),

Gene: NearlyHeadless_1 Start: 505, Stop: 798, Start Num: 162
Candidate Starts for NearlyHeadless_1:
(Start: 162 @505 has 9 MA's), (222, 679), (242, 757), (252, 793),

Gene: Nebkiss_165 Start: 79421, Stop: 79717, Start Num: 175
Candidate Starts for Nebkiss_165:
(Start: 175 @79421 has 3 MA's), (185, 79466), (193, 79478), (211, 79532), (215, 79553), (217, 79568), (227, 79607), (230, 79616), (232, 79622),

Gene: Nebs_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Nebs_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Nebulosus_4 Start: 2278, Stop: 2574, Start Num: 159
Candidate Starts for Nebulosus_4:
(Start: 159 @2278 has 700 MA's), (196, 2368),

Gene: Nedarya_4 Start: 2247, Stop: 2543, Start Num: 159
Candidate Starts for Nedarya_4:
(Start: 159 @2247 has 700 MA's),

Gene: Neeharika16_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Neeharika16_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Nemo27_1 Start: 537, Stop: 764, Start Num: 188
Candidate Starts for Nemo27_1:
(Start: 188 @537 has 126 MA's), (242, 723),

Gene: Nerdos_2 Start: 740, Stop: 1054, Start Num: 158
Candidate Starts for Nerdos_2:
(70, 629), (91, 656), (Start: 158 @740 has 54 MA's), (215, 896),

Gene: Nergal_81 Start: 54725, Stop: 55063, Start Num: 176
Candidate Starts for Nergal_81:
(Start: 176 @54725 has 2 MA's), (203, 54815), (206, 54824), (226, 54905),

Gene: Nerujay_1 Start: 598, Stop: 906, Start Num: 159
Candidate Starts for Nerujay_1:
(120, 535), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Nette_66 Start: 41850, Stop: 42134, Start Num: 85
Candidate Starts for Nette_66:
(23, 41607), (85, 41850), (222, 41997),

Gene: Newrala_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Newrala_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Nhonho_2 Start: 746, Stop: 1042, Start Num: 159
Candidate Starts for Nhonho_2:
(Start: 159 @746 has 700 MA's), (234, 959), (242, 995),

Gene: Nibbles_67 Start: 45280, Stop: 45597, Start Num: 169
Candidate Starts for Nibbles_67:
(Start: 169 @45280 has 27 MA's), (215, 45418), (233, 45487),

Gene: NicoleTera_4 Start: 2315, Stop: 2611, Start Num: 159
Candidate Starts for NicoleTera_4:
(Start: 159 @2315 has 700 MA's),

Gene: Niobe_69 Start: 43234, Stop: 43536, Start Num: 159
Candidate Starts for Niobe_69:
(Start: 159 @43234 has 700 MA's), (182, 43285), (Start: 188 @43300 has 126 MA's), (206, 43351), (226, 43426), (249, 43525),

Gene: Nishikigoi_2 Start: 652, Stop: 966, Start Num: 159
Candidate Starts for Nishikigoi_2:
(Start: 150 @643 has 52 MA's), (Start: 159 @652 has 700 MA's), (213, 796), (221, 829),

Gene: Nitro_70 Start: 44009, Stop: 44311, Start Num: 159
Candidate Starts for Nitro_70:
(Start: 159 @44009 has 700 MA's), (Start: 188 @44075 has 126 MA's), (206, 44126), (226, 44201), (249, 44300),

Gene: Niza_3 Start: 1297, Stop: 1593, Start Num: 159
Candidate Starts for Niza_3:
(Start: 128 @1249 has 1 MA's), (Start: 159 @1297 has 700 MA's), (210, 1420), (242, 1546),

Gene: NoShow_74 Start: 49650, Stop: 49970, Start Num: 171
Candidate Starts for NoShow_74:
(Start: 171 @49650 has 3 MA's), (Start: 189 @49707 has 2 MA's), (226, 49839),

Gene: Nodigi_74 Start: 46877, Stop: 47185, Start Num: 169
Candidate Starts for Nodigi_74:
(139, 46838), (164, 46868), (Start: 169 @46877 has 27 MA's), (183, 46922), (196, 46961), (200, 46976), (205, 46985), (215, 47024), (218, 47048), (221, 47057),

Gene: Noella_1 Start: 445, Stop: 741, Start Num: 159
Candidate Starts for Noella_1:
(Start: 159 @445 has 700 MA's), (213, 580),

Gene: Noelle_1 Start: 526, Stop: 753, Start Num: 188
Candidate Starts for Noelle_1:
(Start: 87 @346 has 2 MA's), (Start: 188 @526 has 126 MA's), (242, 712),

Gene: NorthStar_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for NorthStar_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Norvs_14 Start: 3268, Stop: 3576, Start Num: 168
Candidate Starts for Norvs_14:
(140, 3238), (Start: 168 @3268 has 26 MA's), (226, 3460), (242, 3532),

Gene: Norz_2 Start: 745, Stop: 1041, Start Num: 159
Candidate Starts for Norz_2:
(Start: 159 @745 has 700 MA's), (210, 868), (234, 958), (242, 994),

Gene: NotAPhaseMom_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for NotAPhaseMom_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Noxious_2 Start: 750, Stop: 1046, Start Num: 159
Candidate Starts for Noxious_2:
(Start: 159 @750 has 700 MA's), (210, 873), (234, 963), (242, 999),

Gene: Nyxis_1 Start: 539, Stop: 766, Start Num: 188
Candidate Starts for Nyxis_1:

(Start: 188 @539 has 126 MA's), (242, 725),

Gene: OKCentral2016_1 Start: 464, Stop: 760, Start Num: 150
Candidate Starts for OKCentral2016_1:
(99, 377), (Start: 150 @464 has 52 MA's),

Gene: OKaNui_1 Start: 537, Stop: 764, Start Num: 188
Candidate Starts for OKaNui_1:
(Start: 188 @537 has 126 MA's), (242, 723),

Gene: Obama12_1 Start: 537, Stop: 764, Start Num: 188
Candidate Starts for Obama12_1:
(Start: 87 @357 has 2 MA's), (Start: 147 @462 has 2 MA's), (Start: 188 @537 has 126 MA's), (242, 723),

Gene: ObiToo_74 Start: 43593, Stop: 43895, Start Num: 159
Candidate Starts for ObiToo_74:
(Start: 159 @43593 has 700 MA's), (226, 43785), (249, 43884),

Gene: Odin_3 Start: 2153, Stop: 2449, Start Num: 159
Candidate Starts for Odin_3:
(Start: 159 @2153 has 700 MA's), (228, 2348),

Gene: Ohfah_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Ohfah_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Ohno789_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for Ohno789_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: OlanP_1 Start: 710, Stop: 1003, Start Num: 159
Candidate Starts for OlanP_1:
(Start: 159 @710 has 700 MA's), (Start: 188 @776 has 126 MA's),

Gene: Oliynyk_2 Start: 746, Stop: 1060, Start Num: 158
Candidate Starts for Oliynyk_2:
(105, 668), (Start: 158 @746 has 54 MA's), (215, 902),

Gene: Ollie_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Ollie_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Omar_2 Start: 651, Stop: 965, Start Num: 159
Candidate Starts for Omar_2:
(Start: 150 @642 has 52 MA's), (Start: 159 @651 has 700 MA's), (213, 795), (221, 828),

Gene: OneUp_9 Start: 2116, Stop: 2424, Start Num: 168
Candidate Starts for OneUp_9:
(130, 2056), (Start: 168 @2116 has 26 MA's), (221, 2290), (231, 2326),

Gene: Onglai_4 Start: 2335, Stop: 2628, Start Num: 159

Candidate Starts for Onglai_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Oofda_4 Start: 2282, Stop: 2578, Start Num: 159
Candidate Starts for Oofda_4:
(106, 2186), (Start: 159 @2282 has 700 MA's), (196, 2372),

Gene: Oogway_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Oogway_1:
(Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (242, 847),

Gene: Orange_4 Start: 2389, Stop: 2652, Start Num: 178
Candidate Starts for Orange_4:
(Start: 159 @2356 has 700 MA's), (Start: 178 @2389 has 4 MA's), (196, 2446), (252, 2647),

Gene: Origami_67 Start: 42771, Stop: 43136, Start Num: 159
Candidate Starts for Origami_67:
(44, 42537), (78, 42642), (84, 42651), (Start: 159 @42771 has 700 MA's), (Start: 184 @42840 has 15 MA's), (Start: 188 @42846 has 126 MA's), (226, 42972), (244, 43041), (249, 43071),

Gene: Orla_75 Start: 47026, Stop: 47334, Start Num: 169
Candidate Starts for Orla_75:
(164, 47017), (Start: 169 @47026 has 27 MA's), (183, 47071), (196, 47110), (200, 47125), (205, 47134), (215, 47173), (218, 47197), (221, 47206),

Gene: Ozzie_2 Start: 739, Stop: 1053, Start Num: 158
Candidate Starts for Ozzie_2:
(Start: 158 @739 has 54 MA's), (215, 895),

Gene: OzzyJ_3 Start: 730, Stop: 1041, Start Num: 158
Candidate Starts for OzzyJ_3:
(Start: 68 @589 has 2 MA's), (80, 628), (Start: 158 @730 has 54 MA's), (190, 802), (215, 883),

Gene: P28Green_1 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for P28Green_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: PGHhamlin_3 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for PGHhamlin_3:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: PSullivan_2 Start: 834, Stop: 1130, Start Num: 159
Candidate Starts for PSullivan_2:
(Start: 128 @786 has 1 MA's), (Start: 159 @834 has 700 MA's), (210, 957), (234, 1047), (242, 1083),

Gene: Pablito_2 Start: 689, Stop: 1003, Start Num: 159
Candidate Starts for Pablito_2:
(Start: 159 @689 has 700 MA's), (213, 833), (215, 845), (221, 866),

Gene: PacerPaul_2 Start: 835, Stop: 1131, Start Num: 159
Candidate Starts for PacerPaul_2:
(Start: 128 @787 has 1 MA's), (Start: 159 @835 has 700 MA's), (210, 958), (234, 1048), (242, 1084),

Gene: PackMan_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for PackMan_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Paedore_3 Start: 682, Stop: 996, Start Num: 159
Candidate Starts for Paedore_3:
(Start: 108 @604 has 1 MA's), (151, 673), (Start: 159 @682 has 700 MA's), (213, 826), (215, 838),

Gene: PainterBoy_4 Start: 2125, Stop: 2418, Start Num: 159
Candidate Starts for PainterBoy_4:
(Start: 159 @2125 has 700 MA's), (Start: 188 @2191 has 126 MA's), (204, 2227), (210, 2245), (213, 2257),

Gene: Palestino_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Palestino_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: PandaPo_69 Start: 42253, Stop: 42555, Start Num: 159
Candidate Starts for PandaPo_69:
(Start: 159 @42253 has 700 MA's), (206, 42370), (222, 42436), (249, 42544),

Gene: Paolo_3 Start: 1034, Stop: 1348, Start Num: 159
Candidate Starts for Paolo_3:
(70, 881), (Start: 108 @962 has 1 MA's), (Start: 150 @1028 has 52 MA's), (Start: 159 @1034 has 700 MA's), (Start: 188 @1103 has 126 MA's), (213, 1178),

Gene: Papez_2 Start: 785, Stop: 1129, Start Num: 128
Candidate Starts for Papez_2:
(Start: 128 @785 has 1 MA's), (Start: 159 @833 has 700 MA's), (194, 908), (210, 956), (234, 1046), (242, 1082),

Gene: Paphu_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for Paphu_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: Paraselene_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for Paraselene_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: Pari_2 Start: 735, Stop: 1031, Start Num: 159
Candidate Starts for Pari_2:
(Start: 159 @735 has 700 MA's), (210, 858), (234, 948), (242, 984),

Gene: Parliament_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Parliament_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: PascalRango_2 Start: 747, Stop: 1043, Start Num: 159
Candidate Starts for PascalRango_2:
(Start: 159 @747 has 700 MA's), (210, 870), (234, 960), (242, 996),

Gene: PattyP_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for PattyP_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: Pavo_3 Start: 974, Stop: 1288, Start Num: 159
Candidate Starts for Pavo_3:
(54, 770), (56, 773), (69, 815), (71, 824), (96, 875), (151, 968), (Start: 159 @974 has 700 MA's), (Start: 188 @1043 has 126 MA's), (213, 1118), (221, 1151),

Gene: Pawn_1 Start: 522, Stop: 824, Start Num: 150
Candidate Starts for Pawn_1:
(Start: 150 @522 has 52 MA's), (Start: 159 @531 has 700 MA's), (Start: 188 @597 has 126 MA's),

Gene: Payneful_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for Payneful_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: PeaceMeal1_1 Start: 474, Stop: 770, Start Num: 150
Candidate Starts for PeaceMeal1_1:
(53, 270), (Start: 150 @474 has 52 MA's), (213, 609),

Gene: Pelly_2 Start: 782, Stop: 1078, Start Num: 159
Candidate Starts for Pelly_2:
(Start: 159 @782 has 700 MA's), (210, 905), (234, 995), (242, 1031),

Gene: Pembroke_1 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for Pembroke_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Penny1_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Penny1_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Pepe_2 Start: 860, Stop: 1165, Start Num: 159
Candidate Starts for Pepe_2:
(Start: 128 @812 has 1 MA's), (Start: 159 @860 has 700 MA's), (210, 983), (234, 1073), (242, 1109),

Gene: Pepperoni_69 Start: 41030, Stop: 41365, Start Num: 129
Candidate Starts for Pepperoni_69:
(Start: 129 @41030 has 1 MA's),

Gene: Percival_75 Start: 46934, Stop: 47236, Start Num: 159
Candidate Starts for Percival_75:
(Start: 159 @46934 has 700 MA's), (Start: 188 @47000 has 126 MA's), (206, 47051), (213, 47075),

Gene: Perplexer_1 Start: 542, Stop: 769, Start Num: 188
Candidate Starts for Perplexer_1:
(Start: 188 @542 has 126 MA's), (213, 608), (242, 728),

Gene: Perseus_1 Start: 595, Stop: 891, Start Num: 159
Candidate Starts for Perseus_1:

(Start: 119 @532 has 5 MA's), (Start: 136 @568 has 4 MA's), (142, 577), (Start: 154 @592 has 2 MA's), (Start: 159 @595 has 700 MA's), (210, 718), (234, 808), (242, 844),

Gene: PeterPeter_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for PeterPeter_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Petersenfast_4 Start: 2359, Stop: 2655, Start Num: 159
Candidate Starts for Petersenfast_4:
(Start: 159 @2359 has 700 MA's), (Start: 178 @2392 has 4 MA's), (196, 2449), (252, 2650),

Gene: Peterson_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Peterson_1:
(Start: 136 @572 has 4 MA's), (142, 581), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: PetiteSangsue_1 Start: 542, Stop: 769, Start Num: 188
Candidate Starts for PetiteSangsue_1:
(Start: 188 @542 has 126 MA's), (213, 608), (242, 728),

Gene: Petp2012_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for Petp2012_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: Petruchio_2 Start: 749, Stop: 1045, Start Num: 159
Candidate Starts for Petruchio_2:
(Start: 159 @749 has 700 MA's), (210, 872), (234, 962), (242, 998),

Gene: PetterN_1 Start: 502, Stop: 801, Start Num: 156
Candidate Starts for PetterN_1:
(Start: 156 @502 has 31 MA's), (Start: 167 @517 has 3 MA's), (204, 610), (240, 751), (252, 796),

Gene: Ph8s_4 Start: 2160, Stop: 2456, Start Num: 159
Candidate Starts for Ph8s_4:
(111, 2076), (Start: 159 @2160 has 700 MA's), (221, 2328),

Gene: Phacado_1 Start: 537, Stop: 764, Start Num: 188
Candidate Starts for Phacado_1:
(Start: 188 @537 has 126 MA's), (242, 723),

Gene: Phaded_4 Start: 2109, Stop: 2405, Start Num: 159
Candidate Starts for Phaded_4:
(Start: 159 @2109 has 700 MA's), (198, 2208), (228, 2304),

Gene: Phaeder_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for Phaeder_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Phantastic_1 Start: 425, Stop: 721, Start Num: 149
Candidate Starts for Phantastic_1:
(Start: 148 @422 has 1 MA's), (Start: 149 @425 has 6 MA's), (213, 560),

Gene: Pharaoh_4 Start: 2218, Stop: 2514, Start Num: 156

Candidate Starts for Pharaoh_4:
(Start: 156 @2218 has 31 MA's), (208, 2335),

Gene: PherrisBueller_2 Start: 863, Stop: 1171, Start Num: 159
Candidate Starts for PherrisBueller_2:
(Start: 128 @815 has 1 MA's), (Start: 159 @863 has 700 MA's), (210, 986), (234, 1076), (242, 1112),

Gene: Phettuccine_2 Start: 740, Stop: 1054, Start Num: 158
Candidate Starts for Phettuccine_2:
(70, 629), (91, 656), (Start: 158 @740 has 54 MA's), (215, 896),

Gene: Phighter1804_1 Start: 536, Stop: 763, Start Num: 188
Candidate Starts for Phighter1804_1:
(Start: 87 @356 has 2 MA's), (Start: 188 @536 has 126 MA's), (242, 722),

Gene: Phillis_1 Start: 505, Stop: 798, Start Num: 162
Candidate Starts for Phillis_1:
(Start: 162 @505 has 9 MA's), (196, 592), (222, 679), (242, 757), (252, 793),

Gene: PhineBark_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for PhineBark_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: PhinkBoden_15 Start: 3766, Stop: 4074, Start Num: 168
Candidate Starts for PhinkBoden_15:
(140, 3736), (Start: 168 @3766 has 26 MA's), (242, 4030),

Gene: PhishRPhriends_1 Start: 531, Stop: 824, Start Num: 159
Candidate Starts for PhishRPhriends_1:
(Start: 150 @522 has 52 MA's), (Start: 159 @531 has 700 MA's), (Start: 188 @597 has 126 MA's),

Gene: Phives_70 Start: 43835, Stop: 44137, Start Num: 159
Candidate Starts for Phives_70:
(Start: 159 @43835 has 700 MA's), (Start: 188 @43901 has 126 MA's), (206, 43952), (226, 44027), (249, 44126),

Gene: Phlippers_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Phlippers_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Phlorence_1 Start: 534, Stop: 833, Start Num: 156
Candidate Starts for Phlorence_1:
(64, 372), (Start: 156 @534 has 31 MA's), (204, 642), (222, 714), (240, 783), (252, 828),

Gene: Phoebe_1 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for Phoebe_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Phonnegut_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for Phonnegut_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Phontbonne_1 Start: 536, Stop: 763, Start Num: 188
Candidate Starts for Phontbonne_1:
(Start: 188 @536 has 126 MA's), (242, 722),

Gene: Phoxy_1 Start: 527, Stop: 820, Start Num: 159
Candidate Starts for Phoxy_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: Phranny_2 Start: 531, Stop: 824, Start Num: 159
Candidate Starts for Phranny_2:
(Start: 150 @522 has 52 MA's), (Start: 159 @531 has 700 MA's), (Start: 188 @597 has 126 MA's),

Gene: PhrostyMug_1 Start: 532, Stop: 891, Start Num: 119
Candidate Starts for PhrostyMug_1:
(Start: 119 @532 has 5 MA's), (Start: 136 @568 has 4 MA's), (142, 577), (Start: 154 @592 has 2 MA's), (Start: 159 @595 has 700 MA's), (210, 718), (234, 808), (242, 844),

Gene: PickleBack_1 Start: 535, Stop: 834, Start Num: 156
Candidate Starts for PickleBack_1:
(Start: 156 @535 has 31 MA's), (204, 643), (222, 715), (240, 784), (252, 829),

Gene: PinkPlastic_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for PinkPlastic_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (224, 774), (234, 810), (242, 846),

Gene: Pinto_1 Start: 535, Stop: 894, Start Num: 119
Candidate Starts for Pinto_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Pioneer_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for Pioneer_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Pipcraft_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Pipcraft_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Pippin_2 Start: 749, Stop: 1057, Start Num: 159
Candidate Starts for Pippin_2:
(Start: 159 @749 has 700 MA's), (210, 872), (234, 962), (242, 998),

Gene: Piro94_4 Start: 2628, Stop: 2924, Start Num: 159
Candidate Starts for Piro94_4:
(61, 2427), (Start: 159 @2628 has 700 MA's),

Gene: Pistachio_1 Start: 420, Stop: 716, Start Num: 159
Candidate Starts for Pistachio_1:
(Start: 159 @420 has 700 MA's), (213, 555),

Gene: Pita2_2 Start: 834, Stop: 1130, Start Num: 159

Candidate Starts for Pita2_2:
(Start: 128 @786 has 1 MA's), (Start: 159 @834 has 700 MA's), (210, 957), (234, 1047), (242, 1083),

Gene: Pixelle_68 Start: 43980, Stop: 44282, Start Num: 159
Candidate Starts for Pixelle_68:
(Start: 159 @43980 has 700 MA's), (Start: 188 @44046 has 126 MA's), (206, 44097), (226, 44172), (249, 44271),

Gene: Pmask_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Pmask_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Pocahontas_1 Start: 445, Stop: 741, Start Num: 159
Candidate Starts for Pocahontas_1:
(Start: 159 @445 has 700 MA's), (213, 580),

Gene: Poise_93 Start: 48691, Stop: 49017, Start Num: 159
Candidate Starts for Poise_93:
(138, 48664), (Start: 159 @48691 has 700 MA's), (Start: 178 @48733 has 4 MA's), (195, 48778), (212, 48838), (223, 48898), (236, 48958),

Gene: Pollux_82 Start: 52125, Stop: 52415, Start Num: 174
Candidate Starts for Pollux_82:
(10, 51612), (26, 51762), (27, 51771), (31, 51798), (34, 51816), (39, 51840), (51, 51879), (55, 51891), (58, 51894), (115, 52029), (Start: 174 @52125 has 22 MA's),

Gene: Polymorphads_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Polymorphads_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Polyphemus_4 Start: 2145, Stop: 2441, Start Num: 159
Candidate Starts for Polyphemus_4:
(Start: 159 @2145 has 700 MA's), (213, 2280),

Gene: Pomar16_4 Start: 2345, Stop: 2641, Start Num: 159
Candidate Starts for Pomar16_4:
(Start: 159 @2345 has 700 MA's),

Gene: Pons_74 Start: 47664, Stop: 47978, Start Num: 157
Candidate Starts for Pons_74:
(Start: 148 @47652 has 1 MA's), (Start: 157 @47664 has 8 MA's), (204, 47763), (224, 47850),

Gene: Poompha_1 Start: 472, Stop: 768, Start Num: 150
Candidate Starts for Poompha_1:
(43, 247), (Start: 150 @472 has 52 MA's), (213, 607),

Gene: Posh_79 Start: 51944, Stop: 52234, Start Num: 174
Candidate Starts for Posh_79:
(Start: 136 @51887 has 4 MA's), (141, 51893), (Start: 174 @51944 has 22 MA's),

Gene: PotPie_71 Start: 47864, Stop: 48178, Start Num: 157
Candidate Starts for PotPie_71:

(Start: 148 @47852 has 1 MA's), (Start: 157 @47864 has 8 MA's), (170, 47888), (198, 47957), (233, 48074),

Gene: PotatoSplit_2 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for PotatoSplit_2:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Poushou_54 Start: 39982, Stop: 40287, Start Num: 165
Candidate Starts for Poushou_54:
(Start: 165 @39982 has 3 MA's), (195, 40057), (199, 40078), (221, 40159),

Gene: Power_5 Start: 2567, Stop: 2863, Start Num: 159
Candidate Starts for Power_5:
(Start: 159 @2567 has 700 MA's), (210, 2690),

Gene: PowerRanger_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for PowerRanger_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (224, 774), (234, 810), (242, 846),

Gene: Powerpuff_71 Start: 44281, Stop: 44583, Start Num: 159
Candidate Starts for Powerpuff_71:
(Start: 159 @44281 has 700 MA's), (182, 44332), (Start: 188 @44347 has 126 MA's), (206, 44398), (226, 44473), (249, 44572),

Gene: Priamo_4 Start: 2158, Stop: 2454, Start Num: 159
Candidate Starts for Priamo_4:
(Start: 159 @2158 has 700 MA's), (213, 2293),

Gene: Prinashe11_1 Start: 503, Stop: 802, Start Num: 156
Candidate Starts for Prinashe11_1:
(64, 371), (Start: 156 @503 has 31 MA's), (204, 611), (222, 683), (240, 752), (252, 797),

Gene: Pringar_88 Start: 48479, Stop: 48805, Start Num: 159
Candidate Starts for Pringar_88:
(152, 48473), (Start: 159 @48479 has 700 MA's), (Start: 178 @48521 has 4 MA's), (195, 48566), (212, 48626), (223, 48686), (236, 48746),

Gene: Priya_4 Start: 2332, Stop: 2625, Start Num: 159
Candidate Starts for Priya_4:
(Start: 134 @2305 has 2 MA's), (Start: 159 @2332 has 700 MA's), (204, 2434), (210, 2452),

Gene: ProMouse_1 Start: 533, Stop: 892, Start Num: 119
Candidate Starts for ProMouse_1:
(Start: 119 @533 has 5 MA's), (Start: 136 @569 has 4 MA's), (142, 578), (Start: 159 @596 has 700 MA's), (210, 719), (242, 845),

Gene: Provolone_4 Start: 978, Stop: 1292, Start Num: 159
Candidate Starts for Provolone_4:
(69, 825), (83, 858), (86, 864), (89, 870), (151, 972), (Start: 159 @978 has 700 MA's), (Start: 188 @1047 has 126 MA's), (213, 1122), (221, 1155),

Gene: Prudy_4 Start: 2295, Stop: 2591, Start Num: 159

Candidate Starts for Prudy_4:
(Start: 159 @2295 has 700 MA's),

Gene: Puginator_3 Start: 1036, Stop: 1350, Start Num: 159
Candidate Starts for Puginator_3:
(70, 883), (Start: 108 @964 has 1 MA's), (Start: 150 @1030 has 52 MA's), (Start: 159 @1036 has 700 MA's), (Start: 188 @1105 has 126 MA's), (213, 1180),

Gene: Pukovnik_4 Start: 2088, Stop: 2384, Start Num: 159
Candidate Starts for Pukovnik_4:
(Start: 159 @2088 has 700 MA's), (228, 2283),

Gene: Pumbaa_1 Start: 536, Stop: 763, Start Num: 188
Candidate Starts for Pumbaa_1:
(Start: 87 @356 has 2 MA's), (Start: 188 @536 has 126 MA's), (242, 722),

Gene: Puppet_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Puppet_1:
(Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Puppy_1 Start: 420, Stop: 716, Start Num: 159
Candidate Starts for Puppy_1:
(Start: 159 @420 has 700 MA's), (213, 555),

Gene: PurpleHaze_1 Start: 522, Stop: 824, Start Num: 150
Candidate Starts for PurpleHaze_1:
(Start: 150 @522 has 52 MA's), (Start: 159 @531 has 700 MA's), (Start: 188 @597 has 126 MA's),

Gene: Pytheas_83 Start: 53170, Stop: 53460, Start Num: 174
Candidate Starts for Pytheas_83:
(Start: 136 @53113 has 4 MA's), (141, 53119), (Start: 174 @53170 has 22 MA's),

Gene: QTRlifeCrisis_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for QTRlifeCrisis_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: Qobbit_4 Start: 2305, Stop: 2625, Start Num: 134
Candidate Starts for Qobbit_4:
(Start: 134 @2305 has 2 MA's), (Start: 159 @2332 has 700 MA's), (204, 2434), (210, 2452),

Gene: Quasar_71 Start: 46628, Stop: 46939, Start Num: 154
Candidate Starts for Quasar_71:
(Start: 154 @46628 has 2 MA's), (Start: 169 @46649 has 27 MA's), (207, 46748),

Gene: QueenB2_5 Start: 2671, Stop: 2967, Start Num: 159
Candidate Starts for QueenB2_5:
(Start: 159 @2671 has 700 MA's), (210, 2794),

Gene: QueenBeesly_5 Start: 2568, Stop: 2864, Start Num: 159
Candidate Starts for QueenBeesly_5:
(Start: 159 @2568 has 700 MA's), (210, 2691),

Gene: R4_1 Start: 671, Stop: 985, Start Num: 159
Candidate Starts for R4_1:
(56, 464), (Start: 108 @593 has 1 MA's), (151, 662), (Start: 159 @671 has 700 MA's), (213, 815), (215, 827),

Gene: RSchmailzl_71 Start: 46181, Stop: 46486, Start Num: 169
Candidate Starts for RSchmailzl_71:
(110, 46082), (Start: 133 @46133 has 1 MA's), (135, 46136), (153, 46160), (Start: 169 @46181 has 27 MA's), (207, 46295),

Gene: Rachaly_5 Start: 2538, Stop: 2834, Start Num: 159
Candidate Starts for Rachaly_5:
(Start: 159 @2538 has 700 MA's),

Gene: Raela_94 Start: 49242, Stop: 49568, Start Num: 159
Candidate Starts for Raela_94:
(138, 49215), (Start: 159 @49242 has 700 MA's), (Start: 178 @49284 has 4 MA's), (195, 49329), (212, 49389), (223, 49449), (236, 49509),

Gene: Rahalelujah_4 Start: 2102, Stop: 2395, Start Num: 159
Candidate Starts for Rahalelujah_4:
(Start: 159 @2102 has 700 MA's), (204, 2204), (210, 2222),

Gene: Raid_2 Start: 783, Stop: 1079, Start Num: 159
Candidate Starts for Raid_2:
(Start: 159 @783 has 700 MA's), (210, 906), (234, 996), (242, 1032),

Gene: Rajelicia_2 Start: 750, Stop: 1046, Start Num: 159
Candidate Starts for Rajelicia_2:
(Start: 159 @750 has 700 MA's), (210, 873), (234, 963), (242, 999),

Gene: Rana_2 Start: 726, Stop: 1037, Start Num: 158
Candidate Starts for Rana_2:
(Start: 68 @591 has 2 MA's), (Start: 158 @726 has 54 MA's), (190, 798), (199, 828), (215, 879),

Gene: RanchParmCat_74 Start: 46910, Stop: 47206, Start Num: 169
Candidate Starts for RanchParmCat_74:
(164, 46901), (Start: 169 @46910 has 27 MA's), (183, 46955), (200, 47009), (215, 47045),

Gene: Ravana_4 Start: 2278, Stop: 2574, Start Num: 159
Candidate Starts for Ravana_4:
(Start: 159 @2278 has 700 MA's), (196, 2368),

Gene: ReMo_4 Start: 2278, Stop: 2574, Start Num: 159
Candidate Starts for ReMo_4:
(Start: 159 @2278 has 700 MA's), (196, 2368),

Gene: Reba_2 Start: 531, Stop: 824, Start Num: 159
Candidate Starts for Reba_2:
(Start: 150 @522 has 52 MA's), (Start: 159 @531 has 700 MA's), (Start: 188 @597 has 126 MA's),

Gene: Rebeuca_2 Start: 549, Stop: 926, Start Num: 101

Candidate Starts for Rebeuca_2:
(Start: 101 @549 has 1 MA's), (Start: 150 @630 has 52 MA's),

Gene: RedBear_3 Start: 726, Stop: 1040, Start Num: 158
Candidate Starts for RedBear_3:
(67, 582), (Start: 158 @726 has 54 MA's), (190, 798), (215, 882),

Gene: RedRaider77_92 Start: 48636, Stop: 48962, Start Num: 159
Candidate Starts for RedRaider77_92:
(138, 48609), (Start: 159 @48636 has 700 MA's), (Start: 178 @48678 has 4 MA's), (195, 48723), (212, 48783), (223, 48843), (236, 48903),

Gene: RedRock_4 Start: 2278, Stop: 2574, Start Num: 159
Candidate Starts for RedRock_4:
(Start: 159 @2278 has 700 MA's), (210, 2401),

Gene: Reedo_68 Start: 41440, Stop: 41742, Start Num: 159
Candidate Starts for Reedo_68:
(Start: 159 @41440 has 700 MA's), (Start: 184 @41500 has 15 MA's), (Start: 188 @41506 has 126 MA's), (206, 41557), (226, 41632), (249, 41731), (250, 41734),

Gene: Refuge_4 Start: 2250, Stop: 2546, Start Num: 159
Candidate Starts for Refuge_4:
(Start: 159 @2250 has 700 MA's),

Gene: Relief_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Relief_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Remus_4 Start: 2278, Stop: 2574, Start Num: 159
Candidate Starts for Remus_4:
(Start: 159 @2278 has 700 MA's),

Gene: Renaud18_112 Start: 57550, Stop: 57837, Start Num: 174
Candidate Starts for Renaud18_112:
(17, 57079), (45, 57280), (60, 57319), (79, 57385), (81, 57388), (141, 57499), (Start: 174 @57550 has 22 MA's),

Gene: ResDef_1 Start: 445, Stop: 741, Start Num: 159
Candidate Starts for ResDef_1:
(Start: 159 @445 has 700 MA's), (213, 580),

Gene: Retro23_5 Start: 2671, Stop: 2967, Start Num: 159
Candidate Starts for Retro23_5:
(Start: 159 @2671 has 700 MA's), (210, 2794),

Gene: RhynO_1 Start: 474, Stop: 770, Start Num: 150
Candidate Starts for RhynO_1:
(Start: 150 @474 has 52 MA's), (213, 609),

Gene: Rhynn_1 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for Rhynn_1:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: RidgeCB_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for RidgeCB_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: Rifter_4 Start: 2132, Stop: 2428, Start Num: 159
Candidate Starts for Rifter_4:
(Start: 159 @2132 has 700 MA's), (213, 2267),

Gene: Ringer_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for Ringer_1:
(Start: 136 @570 has 4 MA's), (142, 579), (Start: 154 @594 has 2 MA's), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: Roary_1 Start: 505, Stop: 798, Start Num: 162
Candidate Starts for Roary_1:
(Start: 162 @505 has 9 MA's), (196, 592), (222, 679), (242, 757), (252, 793),

Gene: RockScotty_62 Start: 39638, Stop: 39880, Start Num: 184
Candidate Starts for RockScotty_62:
(Start: 159 @39578 has 700 MA's), (Start: 184 @39638 has 15 MA's), (Start: 188 @39644 has 126 MA's),

Gene: RockieBear_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for RockieBear_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Rohr_2 Start: 832, Stop: 1128, Start Num: 159
Candidate Starts for Rohr_2:
(Start: 128 @784 has 1 MA's), (Start: 159 @832 has 700 MA's), (210, 955), (234, 1045), (242, 1081),

Gene: Roimos_1 Start: 416, Stop: 712, Start Num: 149
Candidate Starts for Roimos_1:
(Start: 77 @293 has 2 MA's), (145, 410), (Start: 149 @416 has 6 MA's), (213, 551),

Gene: Roksolana_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Roksolana_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Romney_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Romney_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: RonRayGun_59 Start: 41099, Stop: 41398, Start Num: 82
Candidate Starts for RonRayGun_59:
(Start: 82 @41099 has 6 MA's), (215, 41222),

Gene: Roosevelt_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Roosevelt_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Rosalind_4 Start: 2425, Stop: 2721, Start Num: 159
Candidate Starts for Rosalind_4:

(Start: 159 @2425 has 700 MA's), (196, 2515),

Gene: Rubeus_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for Rubeus_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: Rufus_2 Start: 747, Stop: 1043, Start Num: 159
Candidate Starts for Rufus_2:
(Start: 159 @747 has 700 MA's), (210, 870), (234, 960), (242, 996),

Gene: Ruin_1 Start: 537, Stop: 764, Start Num: 188
Candidate Starts for Ruin_1:
(Start: 188 @537 has 126 MA's), (242, 723),

Gene: Rummer_1 Start: 518, Stop: 820, Start Num: 150
Candidate Starts for Rummer_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: Ruotula_2 Start: 1335, Stop: 1625, Start Num: 172
Candidate Starts for Ruotula_2:
(19, 900), (33, 1008), (35, 1017), (78, 1173), (84, 1182), (85, 1185), (Start: 172 @1335 has 4 MA's), (181, 1362), (234, 1542), (242, 1578),

Gene: Rusticus_2 Start: 746, Stop: 1060, Start Num: 158
Candidate Starts for Rusticus_2:
(105, 668), (Start: 158 @746 has 54 MA's), (215, 902),

Gene: Rutherferd_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for Rutherferd_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: RyeScarlet_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for RyeScarlet_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: SPB78_77 Start: 49993, Stop: 50292, Start Num: 158
Candidate Starts for SPB78_77:
(Start: 158 @49993 has 54 MA's), (182, 50050), (205, 50110),

Gene: STLscum_2 Start: 861, Stop: 1166, Start Num: 159
Candidate Starts for STLscum_2:
(Start: 128 @813 has 1 MA's), (Start: 159 @861 has 700 MA's), (210, 984), (234, 1074), (242, 1110),

Gene: Sabertooth_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Sabertooth_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Sabia_1 Start: 518, Stop: 820, Start Num: 150
Candidate Starts for Sabia_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: Sabinator_1 Start: 526, Stop: 819, Start Num: 159

Candidate Starts for Sabinator_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Sachima_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for Sachima_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Saftant_2 Start: 978, Stop: 1292, Start Num: 159
Candidate Starts for Saftant_2:
(72, 831), (85, 855), (90, 864), (151, 969), (Start: 154 @972 has 2 MA's), (Start: 159 @978 has 700 MA's), (213, 1122),

Gene: Sagefire_2 Start: 699, Stop: 995, Start Num: 159
Candidate Starts for Sagefire_2:
(Start: 159 @699 has 700 MA's), (210, 822), (234, 912), (242, 948),

Gene: Saintus_1 Start: 505, Stop: 798, Start Num: 162
Candidate Starts for Saintus_1:
(Start: 162 @505 has 9 MA's), (196, 592), (222, 679), (242, 757), (252, 793),

Gene: Salvus_67 Start: 46426, Stop: 46698, Start Num: 184
Candidate Starts for Salvus_67:
(124, 46297), (Start: 179 @46399 has 1 MA's), (Start: 184 @46426 has 15 MA's), (201, 46477), (237, 46630),

Gene: Salz_4 Start: 2356, Stop: 2652, Start Num: 159
Candidate Starts for Salz_4:
(Start: 159 @2356 has 700 MA's), (Start: 178 @2389 has 4 MA's), (196, 2446), (252, 2647),

Gene: Samy_101 Start: 60454, Stop: 60759, Start Num: 159
Candidate Starts for Samy_101:
(Start: 159 @60454 has 700 MA's), (198, 60550), (206, 60571), (213, 60595), (221, 60628), (243, 60712), (245, 60718),

Gene: Sanya_2 Start: 1334, Stop: 1624, Start Num: 172
Candidate Starts for Sanya_2:
(19, 899), (35, 1016), (78, 1172), (84, 1181), (85, 1184), (Start: 172 @1334 has 4 MA's), (181, 1361), (234, 1541), (242, 1577),

Gene: SarFire_2 Start: 757, Stop: 1053, Start Num: 159
Candidate Starts for SarFire_2:
(Start: 159 @757 has 700 MA's), (210, 880), (234, 970), (242, 1006),

Gene: SarahRose_2 Start: 729, Stop: 1040, Start Num: 158
Candidate Starts for SarahRose_2:
(Start: 68 @588 has 2 MA's), (80, 627), (Start: 158 @729 has 54 MA's), (190, 801), (215, 882),

Gene: Saskia_4 Start: 2359, Stop: 2655, Start Num: 159
Candidate Starts for Saskia_4:
(Start: 159 @2359 has 700 MA's), (Start: 178 @2392 has 4 MA's), (196, 2449), (252, 2650),

Gene: Scamp_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Scamp_1:

(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Scherzo_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for Scherzo_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Scorpia_1 Start: 502, Stop: 801, Start Num: 156
Candidate Starts for Scorpia_1:
(Start: 156 @502 has 31 MA's), (Start: 167 @517 has 3 MA's), (204, 610), (240, 751), (252, 796),

Gene: Scout_1 Start: 416, Stop: 712, Start Num: 149
Candidate Starts for Scout_1:
(Start: 77 @293 has 2 MA's), (145, 410), (Start: 149 @416 has 6 MA's), (213, 551),

Gene: Scowl_2 Start: 986, Stop: 1294, Start Num: 159
Candidate Starts for Scowl_2:
(Start: 159 @986 has 700 MA's), (210, 1109), (234, 1199), (242, 1235),

Gene: Seabiscuit_2 Start: 749, Stop: 1045, Start Num: 159
Candidate Starts for Seabiscuit_2:
(Start: 159 @749 has 700 MA's), (210, 872), (224, 926), (234, 962), (242, 998),

Gene: Seanderson_1 Start: 600, Stop: 896, Start Num: 159
Candidate Starts for Seanderson_1:
(Start: 119 @537 has 5 MA's), (Start: 136 @573 has 4 MA's), (142, 582), (Start: 159 @600 has 700 MA's), (210, 723), (234, 813), (242, 849),

Gene: SemperFi_5 Start: 2562, Stop: 2858, Start Num: 159
Candidate Starts for SemperFi_5:
(Start: 159 @2562 has 700 MA's), (210, 2685),

Gene: SenorClean_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for SenorClean_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Serenity_4 Start: 2328, Stop: 2624, Start Num: 159
Candidate Starts for Serenity_4:
(Start: 159 @2328 has 700 MA's),

Gene: Severus_1 Start: 472, Stop: 768, Start Num: 150
Candidate Starts for Severus_1:
(43, 247), (Start: 150 @472 has 52 MA's), (213, 607),

Gene: ShakeItOph_70 Start: 43243, Stop: 43605, Start Num: 159
Candidate Starts for ShakeItOph_70:
(84, 43126), (Start: 159 @43243 has 700 MA's), (Start: 184 @43312 has 15 MA's), (Start: 188 @43318 has 126 MA's), (244, 43513), (254, 43555),

Gene: Sham4_4 Start: 2359, Stop: 2655, Start Num: 159
Candidate Starts for Sham4_4:
(Start: 159 @2359 has 700 MA's), (Start: 178 @2392 has 4 MA's), (196, 2449), (252, 2650),

Gene: ShayRa_5 Start: 2425, Stop: 2721, Start Num: 159

Candidate Starts for ShayRa_5:
(Start: 159 @2425 has 700 MA's), (196, 2515),

Gene: SheaKeira_4 Start: 2123, Stop: 2416, Start Num: 159
Candidate Starts for SheaKeira_4:
(Start: 159 @2123 has 700 MA's), (196, 2210), (204, 2225), (210, 2243),

Gene: Sheen_1 Start: 397, Stop: 693, Start Num: 149
Candidate Starts for Sheen_1:
(95, 301), (Start: 149 @397 has 6 MA's), (240, 643),

Gene: SheldonCooper_1 Start: 536, Stop: 763, Start Num: 188
Candidate Starts for SheldonCooper_1:
(Start: 147 @461 has 2 MA's), (Start: 188 @536 has 126 MA's), (242, 722),

Gene: ShortQueendom_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for ShortQueendom_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: Shygu2_1 Start: 542, Stop: 769, Start Num: 188
Candidate Starts for Shygu2_1:
(Start: 188 @542 has 126 MA's), (242, 728),

Gene: Sibs6_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for Sibs6_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: Skelbel_70 Start: 43234, Stop: 43536, Start Num: 159
Candidate Starts for Skelbel_70:
(Start: 159 @43234 has 700 MA's), (182, 43285), (Start: 188 @43300 has 126 MA's), (206, 43351), (226, 43426), (249, 43525),

Gene: SkiPole_2 Start: 861, Stop: 1166, Start Num: 159
Candidate Starts for SkiPole_2:
(Start: 128 @813 has 1 MA's), (Start: 159 @861 has 700 MA's), (210, 984), (234, 1074), (242, 1110),

Gene: Skipitt_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Skipitt_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Sknot_5 Start: 2624, Stop: 2920, Start Num: 159
Candidate Starts for Sknot_5:
(61, 2423), (Start: 159 @2624 has 700 MA's),

Gene: Slagathor_2 Start: 750, Stop: 1046, Start Num: 159
Candidate Starts for Slagathor_2:
(Start: 159 @750 has 700 MA's), (210, 873), (234, 963), (242, 999),

Gene: Smairt_1 Start: 595, Stop: 891, Start Num: 159
Candidate Starts for Smairt_1:
(Start: 119 @532 has 5 MA's), (Start: 136 @568 has 4 MA's), (142, 577), (Start: 154 @592 has 2 MA's), (Start: 159 @595 has 700 MA's), (210, 718), (234, 808), (242, 844),

Gene: Smeadley_1 Start: 505, Stop: 798, Start Num: 162
Candidate Starts for Smeadley_1:
(Start: 162 @505 has 9 MA's), (196, 592), (222, 679), (242, 757), (252, 793),

Gene: Smeagan_5 Start: 2550, Stop: 2846, Start Num: 159
Candidate Starts for Smeagan_5:
(Start: 159 @2550 has 700 MA's), (210, 2673),

Gene: Smeagol_1 Start: 596, Stop: 892, Start Num: 159
Candidate Starts for Smeagol_1:
(137, 569), (143, 578), (Start: 159 @596 has 700 MA's), (210, 719), (234, 809), (242, 845),

Gene: SmellyB_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for SmellyB_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Smoothie_14 Start: 3268, Stop: 3576, Start Num: 168
Candidate Starts for Smoothie_14:
(140, 3238), (Start: 168 @3268 has 26 MA's), (226, 3460), (242, 3532),

Gene: SnapTap_5 Start: 2567, Stop: 2863, Start Num: 159
Candidate Starts for SnapTap_5:
(Start: 159 @2567 has 700 MA's), (210, 2690),

Gene: Snape_4 Start: 2362, Stop: 2658, Start Num: 159
Candidate Starts for Snape_4:
(Start: 159 @2362 has 700 MA's), (Start: 178 @2395 has 4 MA's), (196, 2452), (252, 2653),

Gene: Snazzy_1 Start: 595, Stop: 891, Start Num: 159
Candidate Starts for Snazzy_1:
(Start: 119 @532 has 5 MA's), (Start: 136 @568 has 4 MA's), (142, 577), (Start: 159 @595 has 700 MA's), (210, 718), (234, 808), (242, 844),

Gene: Snek_68 Start: 40495, Stop: 40800, Start Num: 159
Candidate Starts for Snek_68:
(Start: 159 @40495 has 700 MA's), (Start: 184 @40555 has 15 MA's), (Start: 188 @40561 has 126 MA's), (206, 40612), (249, 40786),

Gene: Snickers_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Snickers_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Snorlax_2 Start: 729, Stop: 1040, Start Num: 158
Candidate Starts for Snorlax_2:
(Start: 68 @588 has 2 MA's), (80, 627), (Start: 158 @729 has 54 MA's), (190, 801), (215, 882),

Gene: SoYo_1 Start: 592, Stop: 819, Start Num: 188
Candidate Starts for SoYo_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Socotra_72 Start: 46272, Stop: 46562, Start Num: 169
Candidate Starts for Socotra_72:

(Start: 154 @46251 has 2 MA's), (Start: 169 @46272 has 27 MA's), (207, 46371),

Gene: SoilDragon_1 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for SoilDragon_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Solon_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Solon_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Soondubu_62 Start: 44779, Stop: 45078, Start Num: 159
Candidate Starts for Soondubu_62:
(78, 44641), (Start: 159 @44779 has 700 MA's), (Start: 188 @44845 has 126 MA's), (206, 44896), (249, 45070),

Gene: Sooty_63 Start: 39748, Stop: 39990, Start Num: 184
Candidate Starts for Sooty_63:
(Start: 159 @39688 has 700 MA's), (Start: 184 @39748 has 15 MA's), (Start: 188 @39754 has 126 MA's),

Gene: Sopespian_68 Start: 45761, Stop: 46066, Start Num: 169
Candidate Starts for Sopespian_68:
(Start: 154 @45740 has 2 MA's), (Start: 169 @45761 has 27 MA's), (207, 45875),

Gene: SororFago_4 Start: 2399, Stop: 2695, Start Num: 159
Candidate Starts for SororFago_4:
(Start: 159 @2399 has 700 MA's), (206, 2510),

Gene: Sorpresa_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Sorpresa_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 159 @599 has 700 MA's), (Start: 178 @632 has 4 MA's), (210, 722), (234, 812), (242, 848),

Gene: Soshari_3 Start: 518, Stop: 820, Start Num: 150
Candidate Starts for Soshari_3:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: Soups_4 Start: 2425, Stop: 2721, Start Num: 159
Candidate Starts for Soups_4:
(Start: 159 @2425 has 700 MA's),

Gene: South40_2 Start: 726, Stop: 1040, Start Num: 158
Candidate Starts for South40_2:
(67, 582), (Start: 158 @726 has 54 MA's), (190, 798), (215, 882),

Gene: Sparky_95 Start: 62955, Stop: 63257, Start Num: 171
Candidate Starts for Sparky_95:
(62, 62730), (102, 62826), (107, 62841), (116, 62859), (132, 62895), (Start: 136 @62901 has 4 MA's), (Start: 171 @62955 has 3 MA's), (182, 62988), (251, 63246),

Gene: Sparxx_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Sparxx_1:

(Start: 188 @538 has 126 MA's), (242, 724),

Gene: SpecialK_63 Start: 39717, Stop: 39953, Start Num: 188
Candidate Starts for SpecialK_63:
(Start: 159 @39651 has 700 MA's), (Start: 184 @39711 has 15 MA's), (Start: 188 @39717 has 126 MA's),

Gene: SpeedDemon_90 Start: 4494, Stop: 4802, Start Num: 168
Candidate Starts for SpeedDemon_90:
(Start: 168 @4494 has 26 MA's), (194, 4566), (214, 4632),

Gene: Speedwell_3 Start: 947, Stop: 1261, Start Num: 159
Candidate Starts for Speedwell_3:
(47, 725), (63, 764), (151, 938), (Start: 154 @941 has 2 MA's), (Start: 159 @947 has 700 MA's), (213, 1091),

Gene: Spike509_1 Start: 527, Stop: 820, Start Num: 159
Candidate Starts for Spike509_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: SpikeBT_1 Start: 596, Stop: 892, Start Num: 159
Candidate Starts for SpikeBT_1:
(Start: 119 @533 has 5 MA's), (Start: 136 @569 has 4 MA's), (142, 578), (Start: 159 @596 has 700 MA's), (210, 719), (234, 809), (242, 845),

Gene: Spino_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Spino_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Spouty_4 Start: 2332, Stop: 2625, Start Num: 159
Candidate Starts for Spouty_4:
(Start: 134 @2305 has 2 MA's), (Start: 159 @2332 has 700 MA's), (204, 2434), (210, 2452),

Gene: SqueakyClean_3 Start: 1027, Stop: 1341, Start Num: 159
Candidate Starts for SqueakyClean_3:
(Start: 159 @1027 has 700 MA's), (Start: 188 @1096 has 126 MA's), (213, 1171),

Gene: Squee_1 Start: 606, Stop: 902, Start Num: 159
Candidate Starts for Squee_1:
(Start: 119 @543 has 5 MA's), (Start: 136 @579 has 4 MA's), (142, 588), (Start: 159 @606 has 700 MA's), (210, 729), (234, 819), (242, 855),

Gene: Stagni_1 Start: 527, Stop: 820, Start Num: 159
Candidate Starts for Stagni_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: StarStuff_4 Start: 2345, Stop: 2641, Start Num: 159
Candidate Starts for StarStuff_4:
(Start: 159 @2345 has 700 MA's),

Gene: Stasia_1 Start: 544, Stop: 771, Start Num: 188
Candidate Starts for Stasia_1:
(Start: 188 @544 has 126 MA's), (242, 730),

Gene: SteMason_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for SteMason_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Steamy_4 Start: 2222, Stop: 2518, Start Num: 159
Candidate Starts for Steamy_4:
(Start: 159 @2222 has 700 MA's), (Start: 188 @2288 has 126 MA's),

Gene: Stellammi_180 Start: 80295, Stop: 80594, Start Num: 175
Candidate Starts for Stellammi_180:
(Start: 175 @80295 has 3 MA's), (191, 80352), (215, 80430), (227, 80484), (229, 80490), (230, 80493), (239, 80535), (247, 80556), (248, 80565),

Gene: StepMih_1 Start: 527, Stop: 820, Start Num: 159
Candidate Starts for StepMih_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: Stephig9_1 Start: 506, Stop: 799, Start Num: 162
Candidate Starts for Stephig9_1:
(Start: 162 @506 has 9 MA's), (196, 593), (222, 680), (242, 758), (252, 794),

Gene: StewieG_1 Start: 597, Stop: 893, Start Num: 159
Candidate Starts for StewieG_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: Stink_1 Start: 356, Stop: 763, Start Num: 87
Candidate Starts for Stink_1:
(Start: 87 @356 has 2 MA's), (Start: 188 @536 has 126 MA's), (242, 722),

Gene: StrongArm_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for StrongArm_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 154 @596 has 2 MA's), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: Strosahl_4 Start: 2278, Stop: 2574, Start Num: 159
Candidate Starts for Strosahl_4:
(Start: 159 @2278 has 700 MA's),

Gene: Stuu_63 Start: 39820, Stop: 40062, Start Num: 184
Candidate Starts for Stuu_63:
(Start: 159 @39760 has 700 MA's), (Start: 184 @39820 has 15 MA's), (Start: 188 @39826 has 126 MA's),

Gene: SuMoo_83 Start: 48762, Stop: 49061, Start Num: 159
Candidate Starts for SuMoo_83:
(24, 48399), (29, 48429), (40, 48498), (Start: 159 @48762 has 700 MA's), (Start: 188 @48828 has 126 MA's), (206, 48879), (226, 48954),

Gene: Subaru_68 Start: 43103, Stop: 43405, Start Num: 159
Candidate Starts for Subaru_68:

(Start: 159 @43103 has 700 MA's), (182, 43154), (Start: 188 @43169 has 126 MA's), (206, 43220), (226, 43295), (249, 43394),

Gene: Sudan_2 Start: 972, Stop: 1286, Start Num: 159
Candidate Starts for Sudan_2:
(151, 966), (Start: 159 @972 has 700 MA's), (Start: 188 @1041 has 126 MA's), (213, 1116), (221, 1149),

Gene: Sue2_68 Start: 41870, Stop: 42175, Start Num: 159
Candidate Starts for Sue2_68:
(Start: 134 @41837 has 2 MA's), (Start: 159 @41870 has 700 MA's), (Start: 188 @41936 has 126 MA's), (206, 41987), (249, 42161),

Gene: Sujidade_2 Start: 723, Stop: 1034, Start Num: 158
Candidate Starts for Sujidade_2:
(Start: 68 @588 has 2 MA's), (Start: 158 @723 has 54 MA's), (190, 795), (210, 852),

Gene: Sultana_1 Start: 539, Stop: 766, Start Num: 188
Candidate Starts for Sultana_1:
(Start: 188 @539 has 126 MA's), (242, 725),

Gene: SummitAcademy_71 Start: 47007, Stop: 47324, Start Num: 157
Candidate Starts for SummitAcademy_71:
(Start: 148 @46995 has 1 MA's), (Start: 157 @47007 has 8 MA's), (170, 47031), (198, 47100), (233, 47217),

Gene: Sumter_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Sumter_1:
(Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: Sunhee_4 Start: 2416, Stop: 2712, Start Num: 159
Candidate Starts for Sunhee_4:
(114, 2344), (Start: 159 @2416 has 700 MA's), (202, 2518), (206, 2527),

Gene: SunkenRoot_2 Start: 953, Stop: 1267, Start Num: 159
Candidate Starts for SunkenRoot_2:
(96, 854), (151, 947), (Start: 159 @953 has 700 MA's), (Start: 188 @1022 has 126 MA's), (213, 1097), (221, 1130),

Gene: SunsetPointe_2 Start: 739, Stop: 1053, Start Num: 158
Candidate Starts for SunsetPointe_2:
(Start: 158 @739 has 54 MA's), (215, 895),

Gene: Sunshine924_1 Start: 595, Stop: 891, Start Num: 159
Candidate Starts for Sunshine924_1:
(Start: 119 @532 has 5 MA's), (Start: 136 @568 has 4 MA's), (142, 577), (Start: 159 @595 has 700 MA's), (210, 718), (234, 808), (242, 844),

Gene: SuperAwesome_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for SuperAwesome_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: SuperCallie99_4 Start: 2144, Stop: 2440, Start Num: 159

Candidate Starts for SuperCallie99_4:
(Start: 159 @2144 has 700 MA's), (213, 2279),

Gene: SuperHands_73 Start: 47553, Stop: 47855, Start Num: 159
Candidate Starts for SuperHands_73:
(Start: 159 @47553 has 700 MA's), (206, 47670), (213, 47694),

Gene: Superchunk_4 Start: 2154, Stop: 2450, Start Num: 159
Candidate Starts for Superchunk_4:
(Start: 159 @2154 has 700 MA's), (228, 2349),

Gene: Survivors_69 Start: 45115, Stop: 45432, Start Num: 169
Candidate Starts for Survivors_69:
(Start: 169 @45115 has 27 MA's), (215, 45253), (233, 45322),

Gene: SweatNTears_71 Start: 45622, Stop: 45897, Start Num: 169
Candidate Starts for SweatNTears_71:
(Start: 167 @45619 has 3 MA's), (Start: 169 @45622 has 27 MA's), (182, 45664), (Start: 186 @45676 has 1 MA's), (192, 45688), (220, 45766), (221, 45769),

Gene: SweetiePie_5 Start: 2568, Stop: 2864, Start Num: 159
Candidate Starts for SweetiePie_5:
(Start: 159 @2568 has 700 MA's), (210, 2691),

Gene: SwirlSquare_4 Start: 2153, Stop: 2449, Start Num: 159
Candidate Starts for SwirlSquare_4:
(Start: 159 @2153 has 700 MA's),

Gene: SwissCheese_1 Start: 596, Stop: 892, Start Num: 159
Candidate Starts for SwissCheese_1:
(Start: 119 @533 has 5 MA's), (Start: 136 @569 has 4 MA's), (142, 578), (Start: 159 @596 has 700 MA's), (210, 719), (224, 773), (234, 809), (242, 845),

Gene: Switzer_2 Start: 747, Stop: 1043, Start Num: 159
Candidate Starts for Switzer_2:
(Start: 159 @747 has 700 MA's), (210, 870), (234, 960), (242, 996),

Gene: Switzerland_4 Start: 2425, Stop: 2721, Start Num: 159
Candidate Starts for Switzerland_4:
(Start: 159 @2425 has 700 MA's), (196, 2515),

Gene: Swole_2 Start: 834, Stop: 1130, Start Num: 159
Candidate Starts for Swole_2:
(Start: 128 @786 has 1 MA's), (Start: 159 @834 has 700 MA's), (210, 957), (234, 1047), (242, 1083),

Gene: TChen_101 Start: 57213, Stop: 57500, Start Num: 174
Candidate Starts for TChen_101:
(17, 56742), (45, 56943), (60, 56982), (79, 57048), (81, 57051), (141, 57162), (Start: 174 @57213 has 22 MA's),

Gene: TNguyen7_1 Start: 418, Stop: 714, Start Num: 159
Candidate Starts for TNguyen7_1:
(Start: 159 @418 has 700 MA's), (213, 553),

Gene: TagePhighter_3 Start: 730, Stop: 1041, Start Num: 158
Candidate Starts for TagePhighter_3:
(Start: 68 @589 has 2 MA's), (80, 628), (Start: 158 @730 has 54 MA's), (190, 802), (215, 883),

Gene: Tailonex_1 Start: 347, Stop: 655, Start Num: 143
Candidate Starts for Tailonex_1:
(143, 347), (Start: 178 @392 has 4 MA's),

Gene: Tallboi_69 Start: 43220, Stop: 43522, Start Num: 159
Candidate Starts for Tallboi_69:
(Start: 159 @43220 has 700 MA's), (222, 43403), (249, 43511),

Gene: Taquarus_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Taquarus_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Target_2 Start: 851, Stop: 1147, Start Num: 159
Candidate Starts for Target_2:
(Start: 128 @803 has 1 MA's), (Start: 159 @851 has 700 MA's), (210, 974), (234, 1064), (242, 1100),

Gene: TarsusIV_5 Start: 2568, Stop: 2864, Start Num: 159
Candidate Starts for TarsusIV_5:
(Start: 159 @2568 has 700 MA's),

Gene: Tasp14_2 Start: 770, Stop: 1066, Start Num: 159
Candidate Starts for Tasp14_2:
(146, 755), (Start: 159 @770 has 700 MA's), (210, 893), (234, 983), (242, 1019),

Gene: Taurus_1 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for Taurus_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Tbone_69 Start: 43742, Stop: 44044, Start Num: 159
Candidate Starts for Tbone_69:
(Start: 159 @43742 has 700 MA's), (182, 43793), (Start: 188 @43808 has 126 MA's), (206, 43859), (226, 43934), (249, 44033),

Gene: Tefunt_2 Start: 643, Stop: 966, Start Num: 150
Candidate Starts for Tefunt_2:
(Start: 150 @643 has 52 MA's), (Start: 159 @652 has 700 MA's), (213, 796), (221, 829),

Gene: Temprado_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Temprado_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Teodoridan_1 Start: 600, Stop: 896, Start Num: 159
Candidate Starts for Teodoridan_1:
(Start: 119 @537 has 5 MA's), (Start: 136 @573 has 4 MA's), (142, 582), (Start: 159 @600 has 700 MA's), (210, 723), (234, 813), (242, 849),

Gene: Terrific_5 Start: 2620, Stop: 2916, Start Num: 159
Candidate Starts for Terrific_5:

(61, 2419), (Start: 159 @2620 has 700 MA's),

Gene: Tesla_88 Start: 48485, Stop: 48811, Start Num: 159
Candidate Starts for Tesla_88:
(138, 48458), (Start: 159 @48485 has 700 MA's), (Start: 178 @48527 has 4 MA's), (195, 48572), (212, 48632), (223, 48692), (236, 48752),

Gene: TforTroy_69 Start: 43283, Stop: 43591, Start Num: 159
Candidate Starts for TforTroy_69:
(50, 43070), (Start: 159 @43283 has 700 MA's), (222, 43466), (226, 43475), (249, 43574),

Gene: Thanksgivukkah_1 Start: 539, Stop: 766, Start Num: 188
Candidate Starts for Thanksgivukkah_1:
(Start: 188 @539 has 126 MA's), (242, 725),

Gene: TheloniousMonk_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for TheloniousMonk_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: Thestral_2 Start: 639, Stop: 953, Start Num: 159
Candidate Starts for Thestral_2:
(Start: 159 @639 has 700 MA's), (213, 783),

Gene: Thor_2 Start: 757, Stop: 1053, Start Num: 159
Candidate Starts for Thor_2:
(Start: 159 @757 has 700 MA's), (210, 880), (234, 970), (242, 1006),

Gene: ThursdayNight_74 Start: 45478, Stop: 45777, Start Num: 159
Candidate Starts for ThursdayNight_74:
(Start: 159 @45478 has 700 MA's), (Start: 188 @45544 has 126 MA's), (226, 45670), (249, 45769),

Gene: Tian_67 Start: 43915, Stop: 44217, Start Num: 159
Candidate Starts for Tian_67:
(Start: 159 @43915 has 700 MA's), (Start: 188 @43981 has 126 MA's), (206, 44032), (222, 44098), (249, 44206),

Gene: Tiffany_1 Start: 527, Stop: 820, Start Num: 159
Candidate Starts for Tiffany_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: Tiger_1 Start: 534, Stop: 833, Start Num: 156
Candidate Starts for Tiger_1:
(64, 372), (Start: 156 @534 has 31 MA's), (204, 642), (222, 714), (240, 783), (252, 828),

Gene: Timothy_4 Start: 2356, Stop: 2652, Start Num: 159
Candidate Starts for Timothy_4:
(Start: 159 @2356 has 700 MA's), (Start: 178 @2389 has 4 MA's), (196, 2446), (252, 2647),

Gene: Timshel_1 Start: 408, Stop: 704, Start Num: 159
Candidate Starts for Timshel_1:
(94, 297), (Start: 159 @408 has 700 MA's), (240, 654), (246, 672),

Gene: TinaBelcher_2 Start: 639, Stop: 953, Start Num: 159

Candidate Starts for TinaBelcher_2:
(Start: 159 @639 has 700 MA's), (213, 783),

Gene: TinaFeyge_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for TinaFeyge_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: TinyPebbles_1 Start: 518, Stop: 820, Start Num: 150
Candidate Starts for TinyPebbles_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: TinyTimmy_4 Start: 2356, Stop: 2652, Start Num: 159
Candidate Starts for TinyTimmy_4:
(Start: 159 @2356 has 700 MA's), (Start: 178 @2389 has 4 MA's), (196, 2446), (252, 2647),

Gene: TipsytheTRex_4 Start: 2326, Stop: 2622, Start Num: 159
Candidate Starts for TipsytheTRex_4:
(Start: 159 @2326 has 700 MA's),

Gene: Toaka_4 Start: 2356, Stop: 2682, Start Num: 133
Candidate Starts for Toaka_4:
(Start: 133 @2356 has 1 MA's), (Start: 159 @2389 has 700 MA's), (204, 2491), (210, 2509),

Gene: Todacoro_1 Start: 445, Stop: 741, Start Num: 159
Candidate Starts for Todacoro_1:
(Start: 159 @445 has 700 MA's), (213, 580),

Gene: Toma_2 Start: 723, Stop: 1034, Start Num: 158
Candidate Starts for Toma_2:
(Start: 68 @588 has 2 MA's), (Start: 158 @723 has 54 MA's), (190, 795), (199, 825), (210, 852), (226, 915),

Gene: Tomathan_4 Start: 2345, Stop: 2641, Start Num: 159
Candidate Starts for Tomathan_4:
(Start: 159 @2345 has 700 MA's),

Gene: Toniann_14 Start: 3268, Stop: 3576, Start Num: 168
Candidate Starts for Toniann_14:
(140, 3238), (Start: 168 @3268 has 26 MA's), (226, 3460), (242, 3532),

Gene: Topanga_1 Start: 517, Stop: 813, Start Num: 150
Candidate Starts for Topanga_1:
(Start: 150 @517 has 52 MA's),

Gene: Topgun_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Topgun_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Toro_1 Start: 396, Stop: 692, Start Num: 149
Candidate Starts for Toro_1:
(95, 300), (Start: 149 @396 has 6 MA's), (240, 642),

Gene: Tote_2 Start: 834, Stop: 1130, Start Num: 159
Candidate Starts for Tote_2:
(Start: 128 @786 has 1 MA's), (Start: 159 @834 has 700 MA's), (210, 957), (234, 1047), (242, 1083),

Gene: TouchMeNot_54 Start: 40155, Stop: 40460, Start Num: 165
Candidate Starts for TouchMeNot_54:
(Start: 165 @40155 has 3 MA's), (195, 40230), (199, 40251), (221, 40332),

Gene: Towmatter_9 Start: 2870, Stop: 3172, Start Num: 168
Candidate Starts for Towmatter_9:
(Start: 168 @2870 has 26 MA's), (187, 2927), (Start: 188 @2930 has 126 MA's), (190, 2933), (221, 3038),

Gene: Traft412_3 Start: 1245, Stop: 1541, Start Num: 159
Candidate Starts for Traft412_3:
(Start: 159 @1245 has 700 MA's), (210, 1368), (234, 1458), (242, 1494),

Gene: Travvers_4 Start: 2345, Stop: 2641, Start Num: 159
Candidate Starts for Travvers_4:
(Start: 159 @2345 has 700 MA's),

Gene: Treddle_2 Start: 750, Stop: 1046, Start Num: 159
Candidate Starts for Treddle_2:
(Start: 159 @750 has 700 MA's), (210, 873), (234, 963), (242, 999),

Gene: Tripl3t_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Tripl3t_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Tristan_4 Start: 2116, Stop: 2412, Start Num: 159
Candidate Starts for Tristan_4:
(Start: 159 @2116 has 700 MA's), (198, 2215), (228, 2311),

Gene: Triste_2 Start: 730, Stop: 1041, Start Num: 158
Candidate Starts for Triste_2:
(Start: 68 @589 has 2 MA's), (80, 628), (Start: 158 @730 has 54 MA's), (190, 802), (215, 883),

Gene: Triumph_3 Start: 679, Stop: 993, Start Num: 159
Candidate Starts for Triumph_3:
(Start: 159 @679 has 700 MA's), (213, 823),

Gene: Trixie_4 Start: 2424, Stop: 2720, Start Num: 159
Candidate Starts for Trixie_4:
(Start: 159 @2424 has 700 MA's),

Gene: Troje_71 Start: 45614, Stop: 45889, Start Num: 169
Candidate Starts for Troje_71:
(Start: 167 @45611 has 3 MA's), (Start: 169 @45614 has 27 MA's), (182, 45656), (Start: 186 @45668 has 1 MA's), (192, 45680), (214, 45728), (215, 45731), (220, 45758), (221, 45761), (226, 45779),

Gene: Trooper_5 Start: 2370, Stop: 2666, Start Num: 159
Candidate Starts for Trooper_5:

(Start: 159 @2370 has 700 MA's),

Gene: Trouble_1 Start: 534, Stop: 893, Start Num: 119
Candidate Starts for Trouble_1:
(Start: 119 @534 has 5 MA's), (Start: 136 @570 has 4 MA's), (142, 579), (Start: 159 @597 has 700 MA's), (210, 720), (234, 810), (242, 846),

Gene: TroyPia_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for TroyPia_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: TrvxScott_2 Start: 639, Stop: 953, Start Num: 159
Candidate Starts for TrvxScott_2:
(Start: 159 @639 has 700 MA's), (213, 783),

Gene: TuanPN_2 Start: 730, Stop: 1041, Start Num: 158
Candidate Starts for TuanPN_2:
(Start: 68 @589 has 2 MA's), (80, 628), (Start: 158 @730 has 54 MA's), (190, 802), (199, 832), (210, 859), (226, 922),

Gene: Tubs_4 Start: 2335, Stop: 2628, Start Num: 159
Candidate Starts for Tubs_4:
(Start: 134 @2308 has 2 MA's), (Start: 159 @2335 has 700 MA's), (204, 2437), (210, 2455),

Gene: Tuck_69 Start: 43623, Stop: 43925, Start Num: 159
Candidate Starts for Tuck_69:
(Start: 159 @43623 has 700 MA's), (Start: 188 @43689 has 126 MA's), (206, 43740), (226, 43815), (249, 43914),

Gene: Tucker_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Tucker_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Turab_67 Start: 42750, Stop: 43052, Start Num: 159
Candidate Starts for Turab_67:
(Start: 159 @42750 has 700 MA's), (182, 42801), (Start: 188 @42816 has 126 MA's), (206, 42867), (226, 42942), (249, 43041),

Gene: Turbido_5 Start: 2551, Stop: 2847, Start Num: 159
Candidate Starts for Turbido_5:
(Start: 159 @2551 has 700 MA's), (210, 2674),

Gene: Turj99_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Turj99_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Tutumahutu_71 Start: 43324, Stop: 43626, Start Num: 159
Candidate Starts for Tutumahutu_71:
(Start: 159 @43324 has 700 MA's), (182, 43375), (Start: 188 @43390 has 126 MA's), (206, 43441), (226, 43516), (249, 43615),

Gene: Tweety19_69 Start: 40496, Stop: 40801, Start Num: 159

Candidate Starts for Tweety19_69:
(Start: 159 @40496 has 700 MA's), (Start: 184 @40556 has 15 MA's), (Start: 188 @40562 has 126 MA's), (206, 40613), (249, 40787),

Gene: Twigg_1 Start: 503, Stop: 802, Start Num: 156
Candidate Starts for Twigg_1:
(64, 371), (Start: 156 @503 has 31 MA's), (204, 611), (222, 683), (240, 752), (252, 797),

Gene: Twister_1 Start: 463, Stop: 759, Start Num: 150
Candidate Starts for Twister_1:
(Start: 150 @463 has 52 MA's),

Gene: TwoPeat_2 Start: 834, Stop: 1130, Start Num: 159
Candidate Starts for TwoPeat_2:
(Start: 128 @786 has 1 MA's), (Start: 159 @834 has 700 MA's), (210, 957), (234, 1047), (242, 1083),

Gene: TygerBlood_1 Start: 540, Stop: 767, Start Num: 188
Candidate Starts for TygerBlood_1:
(Start: 188 @540 has 126 MA's), (242, 726),

Gene: U2_2 Start: 749, Stop: 1045, Start Num: 159
Candidate Starts for U2_2:
(Start: 159 @749 has 700 MA's), (210, 872), (234, 962), (242, 998),

Gene: UnionJack_87 Start: 500, Stop: 799, Start Num: 156
Candidate Starts for UnionJack_87:
(Start: 156 @500 has 31 MA's), (Start: 167 @515 has 3 MA's), (204, 608), (222, 680), (240, 749), (252, 794),

Gene: Unstoppable_2 Start: 740, Stop: 1054, Start Num: 158
Candidate Starts for Unstoppable_2:
(70, 629), (91, 656), (Start: 158 @740 has 54 MA's), (215, 896),

Gene: Updawg_5 Start: 2624, Stop: 2920, Start Num: 159
Candidate Starts for Updawg_5:
(61, 2423), (Start: 159 @2624 has 700 MA's),

Gene: Urza_2 Start: 744, Stop: 1058, Start Num: 159
Candidate Starts for Urza_2:
(Start: 159 @744 has 700 MA's), (213, 888),

Gene: UtzChips_77 Start: 46396, Stop: 46695, Start Num: 159
Candidate Starts for UtzChips_77:
(127, 46351), (Start: 159 @46396 has 700 MA's), (202, 46504), (206, 46513),

Gene: VA6_4 Start: 2464, Stop: 2760, Start Num: 159
Candidate Starts for VA6_4:
(Start: 159 @2464 has 700 MA's), (210, 2587),

Gene: VC3_4 Start: 2344, Stop: 2640, Start Num: 159
Candidate Starts for VC3_4:
(Start: 159 @2344 has 700 MA's),

Gene: VResidence_72 Start: 41784, Stop: 42086, Start Num: 159
Candidate Starts for VResidence_72:
(55, 41574), (Start: 159 @41784 has 700 MA's), (Start: 188 @41850 has 126 MA's), (206, 41901), (249, 42075),

Gene: VWB_70 Start: 47259, Stop: 47567, Start Num: 158
Candidate Starts for VWB_70:
(20, 46878), (Start: 158 @47259 has 54 MA's), (233, 47478),

Gene: Vanisoa_4 Start: 2102, Stop: 2395, Start Num: 159
Candidate Starts for Vanisoa_4:
(Start: 159 @2102 has 700 MA's), (Start: 188 @2168 has 126 MA's), (204, 2204), (210, 2222),

Gene: VasuNzinga_90 Start: 48574, Stop: 48900, Start Num: 159
Candidate Starts for VasuNzinga_90:
(138, 48547), (Start: 159 @48574 has 700 MA's), (Start: 178 @48616 has 4 MA's), (195, 48661), (212, 48721), (223, 48781), (236, 48841),

Gene: Verabelle_3 Start: 950, Stop: 1264, Start Num: 159
Candidate Starts for Verabelle_3:
(151, 944), (Start: 159 @950 has 700 MA's), (Start: 188 @1019 has 126 MA's), (213, 1094),

Gene: Verse_2 Start: 955, Stop: 1269, Start Num: 159
Candidate Starts for Verse_2:
(54, 751), (56, 754), (96, 856), (151, 949), (Start: 159 @955 has 700 MA's), (Start: 188 @1024 has 126 MA's), (213, 1099), (221, 1132),

Gene: VieEnRose_2 Start: 744, Stop: 1058, Start Num: 159
Candidate Starts for VieEnRose_2:
(Start: 159 @744 has 700 MA's), (213, 888),

Gene: Violet_2 Start: 748, Stop: 1044, Start Num: 159
Candidate Starts for Violet_2:
(Start: 159 @748 has 700 MA's), (210, 871), (234, 961), (242, 997),

Gene: Vix_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Vix_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: VohminGhazi_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for VohminGhazi_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: VroomVroom_67 Start: 42799, Stop: 43164, Start Num: 159
Candidate Starts for VroomVroom_67:
(78, 42664), (84, 42673), (Start: 159 @42799 has 700 MA's), (Start: 184 @42868 has 15 MA's), (Start: 188 @42874 has 126 MA's), (244, 43069), (249, 43099), (254, 43111),

Gene: Waits_4 Start: 2278, Stop: 2574, Start Num: 159
Candidate Starts for Waits_4:
(Start: 159 @2278 has 700 MA's), (196, 2368),

Gene: WalterMcMickey_1 Start: 463, Stop: 759, Start Num: 150

Candidate Starts for WalterMcMickey_1:
(Start: 150 @463 has 52 MA's),

Gene: Wander_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Wander_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Warda_70 Start: 43423, Stop: 43725, Start Num: 159
Candidate Starts for Warda_70:
(Start: 159 @43423 has 700 MA's), (182, 43474), (Start: 188 @43489 has 126 MA's), (206, 43540), (226, 43615), (249, 43714),

Gene: Warrior24_4 Start: 2282, Stop: 2578, Start Num: 159
Candidate Starts for Warrior24_4:
(106, 2186), (Start: 159 @2282 has 700 MA's), (196, 2372),

Gene: Watermelon_2 Start: 736, Stop: 1044, Start Num: 159
Candidate Starts for Watermelon_2:
(Start: 159 @736 has 700 MA's), (210, 859), (234, 949), (242, 985),

Gene: Watson_1 Start: 526, Stop: 819, Start Num: 159
Candidate Starts for Watson_1:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: WeiHuaDA_5 Start: 2558, Stop: 2854, Start Num: 159
Candidate Starts for WeiHuaDA_5:
(Start: 159 @2558 has 700 MA's), (210, 2681),

Gene: Werner_2 Start: 730, Stop: 1041, Start Num: 158
Candidate Starts for Werner_2:
(Start: 68 @589 has 2 MA's), (80, 628), (Start: 158 @730 has 54 MA's), (190, 802), (215, 883),

Gene: Whabigail7_5 Start: 2548, Stop: 2844, Start Num: 159
Candidate Starts for Whabigail7_5:
(Start: 159 @2548 has 700 MA's), (210, 2671),

Gene: Whatever_2 Start: 589, Stop: 1041, Start Num: 68
Candidate Starts for Whatever_2:
(Start: 68 @589 has 2 MA's), (80, 628), (Start: 158 @730 has 54 MA's), (190, 802), (215, 883),

Gene: Wheeler_2 Start: 833, Stop: 1129, Start Num: 159
Candidate Starts for Wheeler_2:
(Start: 128 @785 has 1 MA's), (Start: 159 @833 has 700 MA's), (210, 956), (234, 1046), (242, 1082),

Gene: Whitspit_2 Start: 747, Stop: 1043, Start Num: 159
Candidate Starts for Whitspit_2:
(Start: 159 @747 has 700 MA's), (210, 870), (234, 960), (242, 996),

Gene: Whitty_58 Start: 40896, Stop: 41195, Start Num: 82
Candidate Starts for Whitty_58:
(Start: 82 @40896 has 6 MA's), (215, 41019),

Gene: WideWale_5 Start: 2624, Stop: 2920, Start Num: 159

Candidate Starts for WideWale_5:
(61, 2423), (Start: 159 @2624 has 700 MA's),

Gene: Wiks_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Wiks_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Wilbur_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for Wilbur_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Wildwest_65 Start: 43282, Stop: 43584, Start Num: 159
Candidate Starts for Wildwest_65:
(Start: 159 @43282 has 700 MA's), (Start: 184 @43342 has 15 MA's), (206, 43399), (226, 43474), (249, 43573),

Gene: Wile_1 Start: 543, Stop: 770, Start Num: 188
Candidate Starts for Wile_1:
(Start: 188 @543 has 126 MA's), (213, 609), (242, 729),

Gene: Wilkins_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Wilkins_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: WilliamBoone_12 Start: 2893, Stop: 3201, Start Num: 168
Candidate Starts for WilliamBoone_12:
(140, 2863), (Start: 168 @2893 has 26 MA's), (242, 3157),

Gene: Wizard007_1 Start: 540, Stop: 767, Start Num: 188
Candidate Starts for Wizard007_1:
(Start: 188 @540 has 126 MA's), (242, 726),

Gene: Wolfwood_67 Start: 44987, Stop: 45304, Start Num: 169
Candidate Starts for Wolfwood_67:
(Start: 169 @44987 has 27 MA's), (215, 45125), (233, 45194),

Gene: Wooldri_3 Start: 517, Stop: 819, Start Num: 150
Candidate Starts for Wooldri_3:
(Start: 150 @517 has 52 MA's), (Start: 159 @526 has 700 MA's), (Start: 188 @592 has 126 MA's),

Gene: Wrigley_81 Start: 51527, Stop: 51817, Start Num: 174
Candidate Starts for Wrigley_81:
(Start: 136 @51470 has 4 MA's), (141, 51476), (Start: 174 @51527 has 22 MA's),

Gene: WunderPhul_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for WunderPhul_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Xena_1 Start: 542, Stop: 769, Start Num: 188
Candidate Starts for Xena_1:
(Start: 188 @542 has 126 MA's), (213, 608), (242, 728),

Gene: XianYue_4 Start: 2391, Stop: 2687, Start Num: 159
Candidate Starts for XianYue_4:
(Start: 159 @2391 has 700 MA's), (208, 2508),

Gene: Yakult_74 Start: 46869, Stop: 47177, Start Num: 169
Candidate Starts for Yakult_74:
(123, 46794), (Start: 148 @46839 has 1 MA's), (164, 46860), (Start: 169 @46869 has 27 MA's), (183, 46914), (196, 46953), (205, 46977), (207, 46983), (215, 47016),

Gene: Yang_68 Start: 42836, Stop: 43144, Start Num: 159
Candidate Starts for Yang_68:
(Start: 159 @42836 has 700 MA's), (Start: 188 @42902 has 126 MA's), (226, 43028), (249, 43127),

Gene: Yasdnil_2 Start: 729, Stop: 1040, Start Num: 158
Candidate Starts for Yasdnil_2:
(80, 627), (Start: 158 @729 has 54 MA's), (190, 801), (199, 831), (210, 858), (226, 921),

Gene: Yecey3_4 Start: 2101, Stop: 2394, Start Num: 159
Candidate Starts for Yecey3_4:
(Start: 159 @2101 has 700 MA's),

Gene: YesChef_69 Start: 43140, Stop: 43442, Start Num: 159
Candidate Starts for YesChef_69:
(Start: 159 @43140 has 700 MA's), (182, 43191), (Start: 188 @43206 has 126 MA's), (206, 43257), (226, 43332), (249, 43431),

Gene: YoSam321_1 Start: 538, Stop: 765, Start Num: 188
Candidate Starts for YoSam321_1:
(Start: 188 @538 has 126 MA's), (242, 724),

Gene: Yokurt_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Yokurt_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: Yosif_3 Start: 954, Stop: 1265, Start Num: 159
Candidate Starts for Yosif_3:
(71, 816), (113, 888), (126, 906), (Start: 159 @954 has 700 MA's), (221, 1128),

Gene: Yucky_74 Start: 47485, Stop: 47799, Start Num: 157
Candidate Starts for Yucky_74:
(Start: 148 @47473 has 1 MA's), (Start: 157 @47485 has 8 MA's), (170, 47509), (198, 47578), (233, 47695),

Gene: Yummy_71 Start: 45636, Stop: 45857, Start Num: 186
Candidate Starts for Yummy_71:
(Start: 167 @45579 has 3 MA's), (Start: 169 @45582 has 27 MA's), (182, 45624), (Start: 186 @45636 has 1 MA's), (192, 45648), (215, 45699), (220, 45726), (221, 45729),

Gene: Yvonnetastic_14 Start: 3602, Stop: 3910, Start Num: 168
Candidate Starts for Yvonnetastic_14:
(Start: 168 @3602 has 26 MA's), (221, 3776), (226, 3794), (233, 3815), (249, 3902),

Gene: Zainub_3 Start: 1037, Stop: 1351, Start Num: 159

Candidate Starts for Zainub_3:
(80, 911), (Start: 108 @965 has 1 MA's), (Start: 150 @1031 has 52 MA's), (Start: 159 @1037 has 700 MA's), (Start: 188 @1106 has 126 MA's), (213, 1181),

Gene: Zaka_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Zaka_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: ZamZam_2 Start: 936, Stop: 1250, Start Num: 159
Candidate Starts for ZamZam_2:
(151, 927), (Start: 154 @930 has 2 MA's), (Start: 159 @936 has 700 MA's), (213, 1080),

Gene: Zareef_67 Start: 44991, Stop: 45311, Start Num: 169
Candidate Starts for Zareef_67:
(Start: 169 @44991 has 27 MA's), (215, 45132), (233, 45201),

Gene: Zeeculate_1 Start: 596, Stop: 892, Start Num: 159
Candidate Starts for Zeeculate_1:
(Start: 119 @533 has 5 MA's), (Start: 136 @569 has 4 MA's), (142, 578), (Start: 159 @596 has 700 MA's), (210, 719), (234, 809), (242, 845),

Gene: Zemlya_2 Start: 703, Stop: 1014, Start Num: 158
Candidate Starts for Zemlya_2:
(1, 34), (2, 40), (3, 43), (4, 70), (7, 142), (30, 406), (41, 463), (46, 487), (52, 496), (117, 652), (Start: 136 @682 has 4 MA's), (Start: 158 @703 has 54 MA's), (197, 799), (199, 805), (210, 832),

Gene: ZenTime222_65 Start: 41847, Stop: 42146, Start Num: 82
Candidate Starts for ZenTime222_65:
(Start: 82 @41847 has 6 MA's), (215, 41970),

Gene: Zephyr_1 Start: 598, Stop: 894, Start Num: 159
Candidate Starts for Zephyr_1:
(Start: 119 @535 has 5 MA's), (Start: 136 @571 has 4 MA's), (142, 580), (Start: 159 @598 has 700 MA's), (210, 721), (234, 811), (242, 847),

Gene: Zeta1847_76 Start: 47529, Stop: 47834, Start Num: 159
Candidate Starts for Zeta1847_76:
(73, 47376), (Start: 74 @47379 has 1 MA's), (76, 47382), (Start: 159 @47529 has 700 MA's), (253, 47829),

Gene: Zetzy_1 Start: 518, Stop: 820, Start Num: 150
Candidate Starts for Zetzy_1:
(Start: 150 @518 has 52 MA's), (Start: 159 @527 has 700 MA's), (Start: 188 @593 has 126 MA's),

Gene: Zeuska_1 Start: 599, Stop: 895, Start Num: 159
Candidate Starts for Zeuska_1:
(Start: 119 @536 has 5 MA's), (Start: 136 @572 has 4 MA's), (142, 581), (Start: 154 @596 has 2 MA's), (Start: 159 @599 has 700 MA's), (210, 722), (234, 812), (242, 848),

Gene: Zimmer_4 Start: 2256, Stop: 2552, Start Num: 156
Candidate Starts for Zimmer_4:
(42, 1998), (57, 2043), (71, 2094), (Start: 156 @2256 has 31 MA's),

Gene: Zulu_4 Start: 2143, Stop: 2439, Start Num: 159
Candidate Starts for Zulu_4:
(Start: 159 @2143 has 700 MA's), (213, 2278),

Gene: phiHau3_1 Start: 591, Stop: 905, Start Num: 159
Candidate Starts for phiHau3_1:
(Start: 159 @591 has 700 MA's), (205, 708), (213, 735), (236, 837), (255, 900),