Pham 347023


1: Mkhuseli_58
2: Kimba_57 + 23
3: MaCh_58 + 1
4: Saskia_58 + 1
5: Pharaoh_53
6: Refuge_56 + 1
7: Steamy_54
8: DarthPhader_54
9: Phiel_47
10: Rosalind_62 + 8
11: Anon_61
12: Anaysia_64 + 2
13: Battleship_66 + 4
14: MinecraftSteve_64 + 2
15: Oolda_65 + 1
16: LogiBear_62
17: Nedarya_60
18: PainterBoy_59
19: Lucyedi_59
20: EagleEye_60
21: 40AC_59
22: Adzzy_59
23: Benvolio_55 + 17
24: Travvers_60 + 9
25: Odin_56 + 2
26: Georgie2_59 + 3
27: L5_56 + 1
28: Larenn_57 + 1
29: Bradman_57 + 3
30: C3_56 + 3
31: Bugsy_60
32: Anselm_59 + 3
33: Miko_55
34: Rachaly_57 + 2
35: QueenB2_57 + 2
36: LionsBait_58 + 1
37: Ph8s_59
38: Herbertwm_56
39: Che12_59
40: Serenity_58
41: Journey13_52
42: SwimSquare_61
43: Acolyte_53
44: NothingSpecial_56
45: MissWhite_57
46: TipsytheTRex_54
47: FatCactus_51
48: Anthony_54
49: Anissanae_57
50: SheaKeira_56

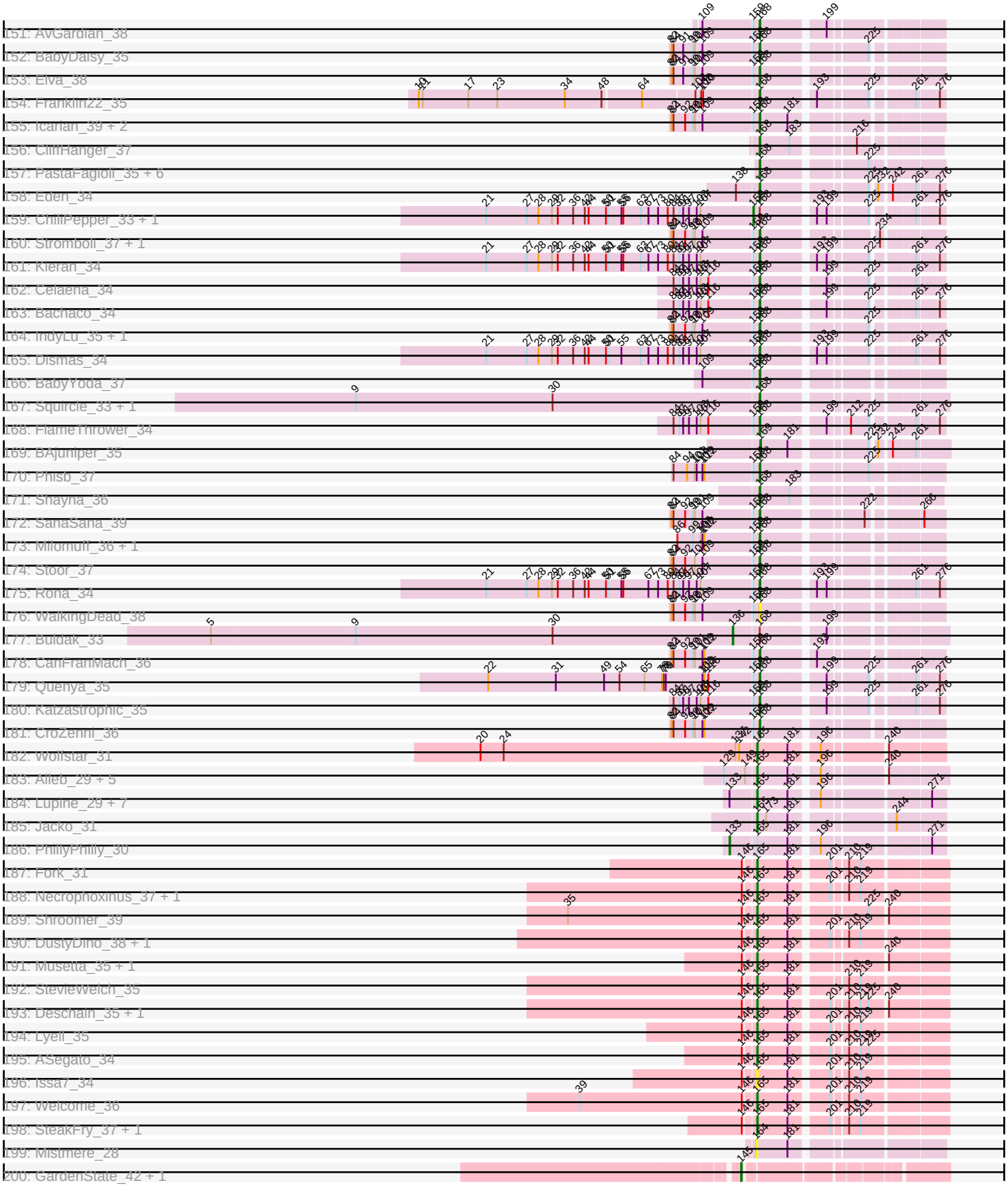
Pham 347023


51: Spouty_58 + 28
52: MegTheThird_57
53: Elephantoon_57
54: DreamTeam1_56 + 2
55: Mamimiama_57 + 1
56: CogOmlette_57 + 4
57: ExplosioNervosa_58
58: Celestialunch_56
59: LoneWolf_59
60: Darrell_60
61: Yecey3_59
62: Vanisoa_58
63: Kezlacharles14_58
64: Toaka_58
65: Indiulamithi_37
66: Onyinye_53 + 2
67: Michkear_34
68: ThursdayNight_38
69: Tutumahutu_33 + 2
70: Bernie_34
71: Nitro_33
72: Tuck_36 + 2
73: DrSierra_32
74: Adumb2043_32 + 1
75: Ascela_34
76: Amplonia_32 + 1
77: AGrandMora_34
78: Janeemi_35
79: ThorTroy_34
80: Elezi_34 + 2
81: Yang_33 + 1
82: YesChef_33 + 1
83: Lego_33
84: Joemato_33 + 2
85: ObiToo_36 + 1
86: Mudpuppy_32
87: Adolin_32
88: DrManhattan_32
89: VResidence_33
90: MaGuCo_34
91: LadyAstra_39 + 1
92: JasmineDragon_39 + 2
93: AceofSpades_40
94: Emotion_38
95: VroomVroom_39
96: FiveHead_43 + 1
97: Soondubu_31 + 1
98: AimMach_35
99: Thonko_81
100: ScoobyDoobyDoo_73

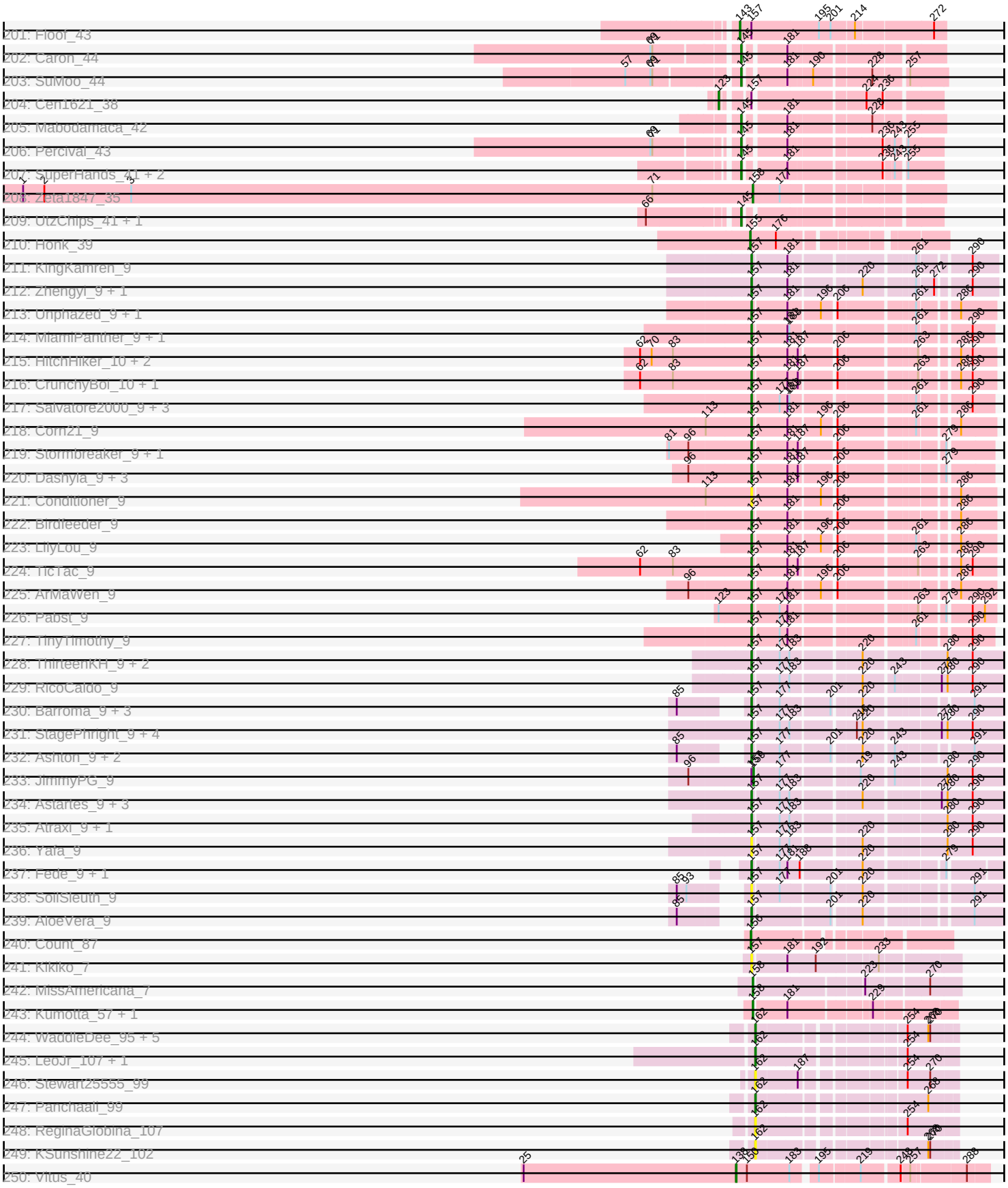
Pham 347023


I01: Greely_81 + 1
I02: Myrna_77
I03: Gollum_46 + 32
I04: Hiro_46 + 1
I05: Partridge_45
I06: RGL3_40
I07: AppleCloud_43
I08: Bachita_128 + 4
I09: Miskis_120 + 9
I10: WilliamBoone_123
I11: OneUp_110
I12: BrutonGaster_100
I13: Banquo_62
I14: Golb_64 + 3
I15: DinoDaryn_63 + 1
I16: TinaLin_62
I17: Gsput1_55
I18: Dardanus_57
I19: Schmidt_57
I20: Catfish_63
I21: JonJames_133 + 1
I22: Cardigan_131
I23: DatBoi_82
I24: Bantam_85 + 1
I25: Mollymur_85
I26: Daredevil_75 + 1
I27: CherryTomatoes_78 + 2
I28: Skog_140
I29: Keelan_118
I30: Ronaldo_118 + 4
I31: Sephiroth_110
I32: Kudeifre_114
I33: Octoblen14_110
I34: Syleon_115
I35: Neville_111
I36: LilJank_113 + 1
I37: Rabbitrun_113
I38: Stark_38 + 114
I39: Flypotenuse_35 + 21
I40: Bogg_38 + 3
I41: Phaja_37 + 2
I42: Budgie_39
I43: Gack_33
I44: Bengal_37 + 15
I45: Clayda5_34 + 2
I46: Rollins_33 + 4
I47: PondAmelia_38
I48: Kamdara_34
I49: Jabb_37 + 16
I50: SunnyD_36 + 1

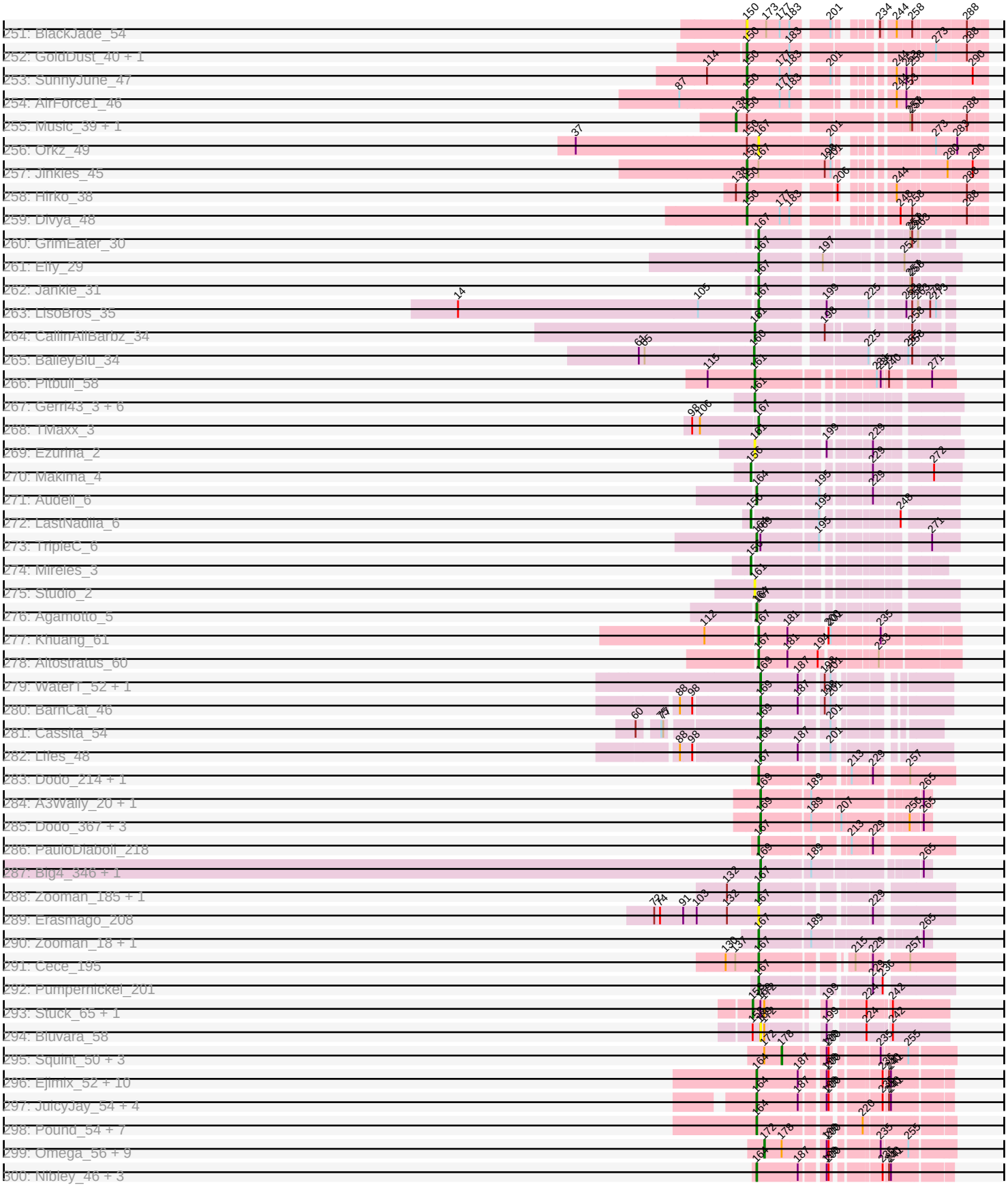
Pham 347023


151: AvGardian_38
152: BabyDaisy_35
153: Elva_38
154: Franklin22_35
155: Icarian_39 + 2
156: CliffHanger_37
157: PastaFagioli_35 + 6
158: Eden_34
159: ChiliPepper_33 + 1
160: Stromboli_37 + 1
161: Kieran_34
162: Celaena_34
163: Bachaco_34
164: IndyLu_35 + 1
165: Dismas_34
166: BabyYoda_37
167: Squircle_33 + 1
168: FlameThrower_34
169: BAjuniper_35
170: Phisb_37
171: Shayna_36
172: SanaSana_39
173: Mimomuh_36 + 1
174: Stoor_37
175: Rona_34
176: WalkingDead_38
177: Buldak_33
178: CanFranMach_36
179: Quenya_35
180: Katzastrophic_35
181: CroZenni_36
182: Wolfstar_31
183: Alleb_29 + 5
184: Lupine_29 + 7
185: Jacko_31
186: PhillyPhilly_30
187: Fork_31
188: Necrophoxinus_37 + 1
189: Shroomer_39
190: DustyDino_38 + 1
191: Musetta_35 + 1
192: StevieWelch_35
193: Deschain_35 + 1
194: Lyell_35
195: ASegato_34
196: Issa7_34
197: Welcome_36
198: SteakFry_37 + 1
199: Mistmere_28
200: GardenState_42 + 1

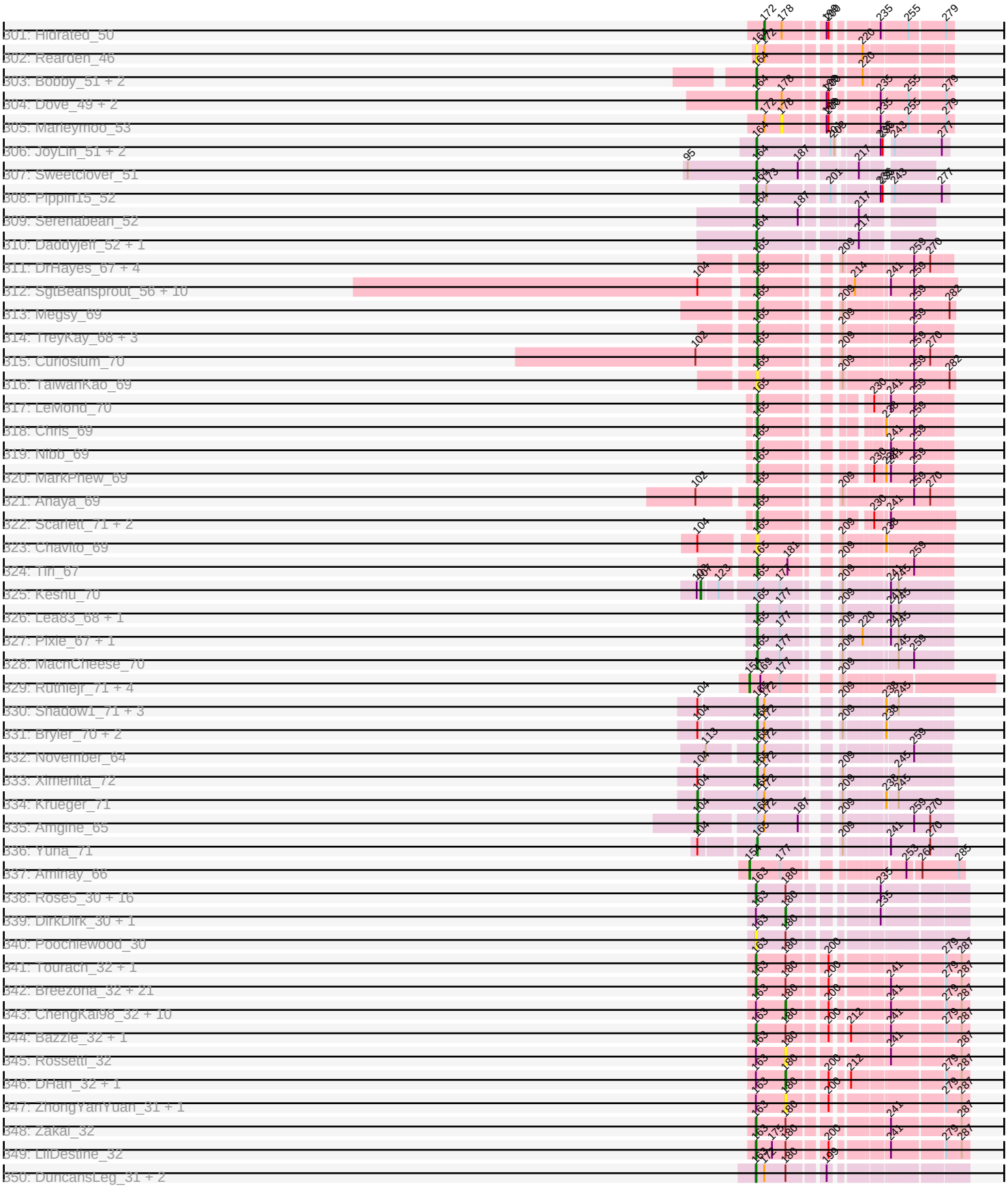
Pham 347023


201: Floof_43
202: Caron_44
203: SuMoo_44
204: Cen1621_38
205: Maboodamaca_42
206: Percival_43
207: SuperHands_41 + 2
208: Zeta1847_35
209: OtzChips_41 + 1
210: Honk_39
211: KingKamren_9
212: Zhengyi_9 + 1
213: Unphazed_9 + 1
214: MiamiPanther_9 + 1
215: HitchHiker_10 + 2
216: CrunchyBoi_10 + 1
217: Salvatore2000_9 + 3
218: Corn21_9
219: Stormbreaker_9 + 1
220: Dashyla_9 + 3
221: Conditioner_9
222: Birdfeeder_9
223: LilyLou_9
224: TicTac_9
225: ArMaWen_9
226: Pabst_9
227: TinyTimothy_9
228: ThirteenKH_9 + 2
229: RicoCaldo_9
230: Barroma_9 + 3
231: StagePhright_9 + 4
232: Ashton_9 + 2
233: JimmyPG_9
234: Astartes_9 + 3
235: Atraxi_9 + 1
236: Yara_9
237: Fede_9 + 1
238: SoilSleuth_9
239: AloeVera_9
240: Count_87
241: Kikiko_7
242: MissAmericana_7
243: Kumotta_57 + 1
244: WaddleDee_95 + 5
245: LeoJr_107 + 1
246: Stewart25555_99
247: Panchaail_99
248: ReginaGlobina_107
249: KSunshine22_102
250: Vitus_40

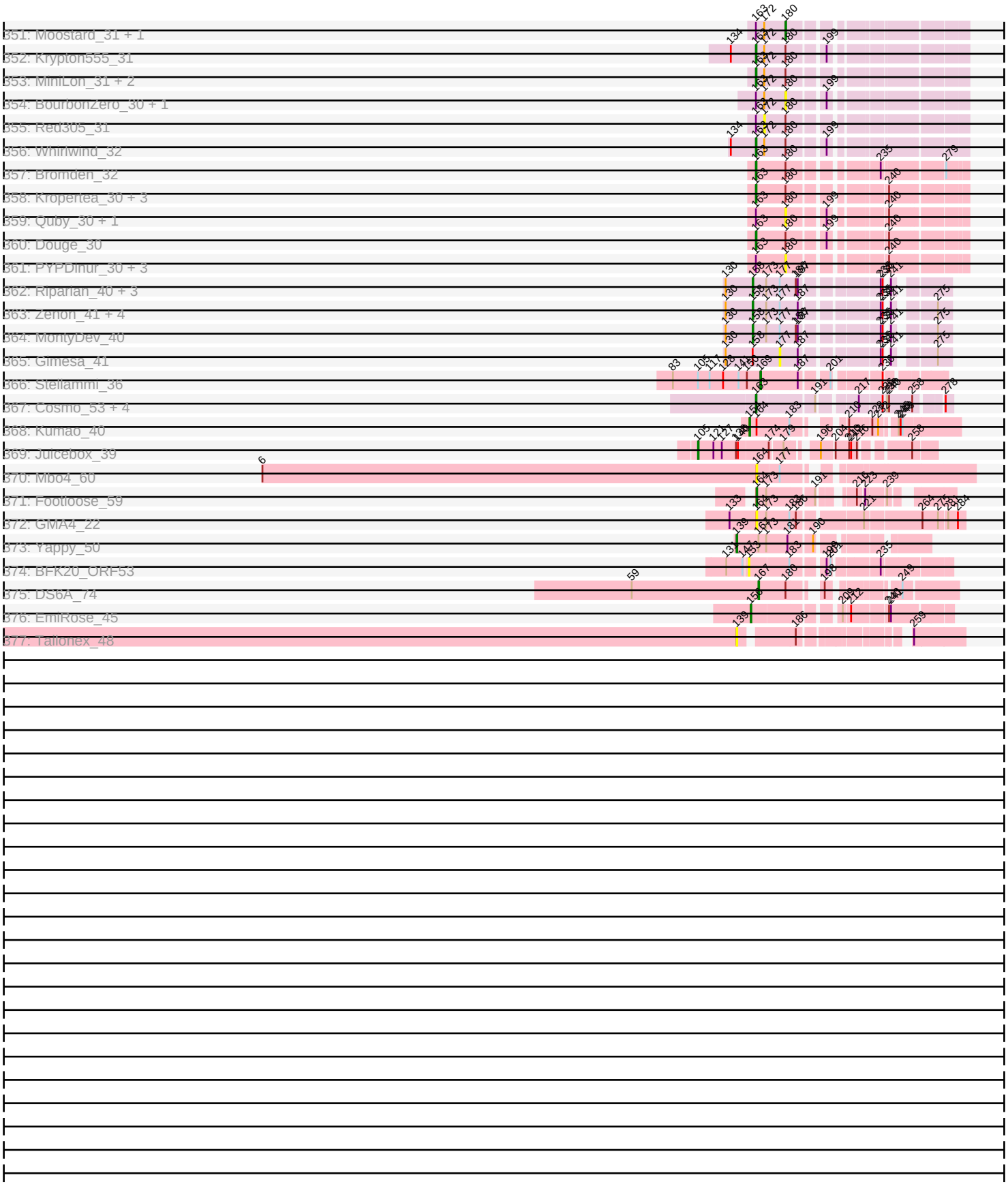
Pham 347023


251: BlackJade_54
252: GoldDust_40 + 1
253: SunnyJune_47
254: AirForce1_46
255: Music_39 + 1
256: Orkz_49
257: Jinkies_45
258: Hirko_38
259: Divya_48
260: GrimEater_30
261: Elly_29
262: Jankie_31
263: LisoBros_35
264: CallinAllBarbz_34
265: BaileyBlu_34
266: Pitbull_58
267: Gerri43_3 + 6
268: TMaxx_3
269: Ezurina_2
270: Makima_4
271: Audell_6
272: LastNadilla_6
273: TripleC_6
274: Mireles_3
275: Studio_2
276: Agamotto_5
277: Khuang_61
278: Altostratus_60
279: WaterT_52 + 1
280: BarnCat_46
281: Cassita_54
282: Lhes_48
283: Dodo_214 + 1
284: A3Wally_20 + 1
285: Dodo_367 + 3
286: PaulloDiaboli_218
287: Big4_346 + 1
288: Zooman_185 + 1
289: Erasmago_208
290: Zooman_18 + 1
291: Cece_195
292: Pumpernickel_201
293: Stuck_65 + 1
294: Bluvara_58
295: Squint_50 + 3
296: Ejimix_52 + 10
297: JuicyJay_54 + 4
298: Pound_54 + 7
299: Omega_56 + 9
300: Nibley_46 + 3

Pham 347023


301: Hidrated_50
302: Rearden_46
303: Bobby_51 + 2
304: Dove_49 + 2
305: Maneymoo_53
306: JoyLin_51 + 2
307: Sweetclover_51
308: Pippin15_52
309: Serenabean_52
310: Daddyjeff_52 + 1
311: DrHayes_67 + 4
312: SgtBeansprout_56 + 10
313: Megsy_69
314: TreyKay_68 + 3
315: Curiosium_70
316: TaiwanKao_69
317: LeMond_70
318: Chris_69
319: Nibb_69
320: MarkPhew_69
321: Anaya_69
322: Scarlett_71 + 2
323: Chavito_69
324: Tin_67
325: Keshu_70
326: Lea83_68 + 1
327: Pixie_67 + 1
328: MacnCheese_70
329: Ruthiejr_71 + 4
330: Shadow1_71 + 3
331: Bryler_70 + 2
332: November_64
333: Ximenita_72
334: Krueger_71
335: Amgine_65
336: Yuna_71
337: Aminay_66
338: Rose5_30 + 16
339: DirkDirk_30 + 1
340: Poochiewood_30
341: Tourach_32 + 1
342: Breezona_32 + 21
343: ChengKai98_32 + 10
344: Bazzle_32 + 1
345: Rossetti_32
346: DHan_32 + 1
347: ZhongYanYuan_31 + 1
348: Zakai_32
349: LilDestine_32
350: DuncansLeg_31 + 2

Pham 347023


351: Moostard_31 + 1
352: Krypton555_31
353: MiniLon_31 + 2
354: BourbonZero_30 + 1
355: Red305_31
356: Whirlwind_32
357: Bromden_32
358: Kropertea_30 + 3
359: Quby_30 + 1
360: Douge_30
361: PYPDinur_30 + 3
362: Riparian_40 + 3
363: Zenon_41 + 4
364: MontyDev_40
365: Gimesa_41
366: Stellammi_36
367: Cosmo_53 + 4
368: Kumao_40
369: Juicebox_39
370: Mibo4_60
371: Footloose_59
372: GMA4_22
373: Yappy_50
374: BFK20_ORF53
375: DS6A_74
376: EmiRose_45
377: Tallonex_48

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 347023 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 347023 has 998 members, 115 are drafts.

Phages represented in each track:
• Track 1 : Mkhuseli_58
• Track 2 : Kimba_57, Bud_57, Mulciber_57, Hutc2_57, Salz_56, Munch_58, Orange_57, Gilberta_58, Wolpertinger_56, Insomnia_58, TinyTimmy_57, Et2Brutus_56, Ebony_57, Flaverint_58, Fibonacci_57, Timothy_57, Bowtie_58, Joselito_58, Jabith_58, Sham4_57, Snape_57, Aneem_58, Petersenfast_57, Lucivia_58
• Track 3 : MaCh_58, Bachome_59
• Track 4 : Saskia_58, Mabel_57
• Track 5 : Pharaoh_53
• Track 6 : Refuge_56, Zimmer_55
• Track 7 : Steamy_54
• Track 8 : DarthPhader_54
• Track 9 : Phlei_47
• Track 10 : Rosalind_62, Looper_63, LastResort_62, Strosahl_64, Waits_64, ReMo_62, JSwag_63, Remus_64, Epsocamisio_61
• Track 11 : Anon_61
• Track 12 : Anaysia_64, Boohoo_64, Nebulosus_62
• Track 13 : Battleship_66, DekHockey33_65, ShayRa_64, Switzerland_63, Soups_64
• Track 14 : MinecraftSteve_64, KatherineG_64, Ravana_66
• Track 15 : Oofda_65, Warrior24_66
• Track 16 : LogiBear_62
• Track 17 : Nedarya_60
• Track 18 : PainterBoy_59
• Track 19 : Lucyedi_59
• Track 20 : EagleEye_60
• Track 21 : 40AC_59
• Track 22 : Adzzy_59
• Track 23 : Benvolio_55, ChipMunk_60, FiringLine_58, Echild_58, Power_57, EvilGenius_60, Jerm_60, Dignity_60, Whabigail7_59, Leviathan_60, QueenBeesly_58, Agape74_60, LilTurb_59, Smeagan_61, SnapTap_58, KingCyrus_60, SemperFi_59, Crucio_58
• Track 24 : Travvers_60, Kerberos_60, Duplo_60, StarStuff_60, DBQu4n_60, Pomar16_60, D32_59, Naji_60, D29_56, Tomathan_60

• Track 25 : Odin_56, Caraxes_56, Superchunk_56
• Track 26 : Georgie2_59, AbbyPaige_60, SweetiePie_58, Turbido_59
• Track 27 : L5_56, Koduck_59
• Track 28 : Larenn_57, Malec_58
• Track 29 : Bradman_57, MajorMajor_57, Jsquared_56, Quokka_56
• Track 30 : C3_56, VC3_61, AN9_61, ANI8_61
• Track 31 : Bugsy_60
• Track 32 : Anselm_59, DudeLittle_57, Dalmatian_59, Retro23_59
• Track 33 : Miko_55
• Track 34 : Rachaly_57, BobSwaget_54, Lokk_55
• Track 35 : QueenB2_57, Fameo_58, Heffalump_57
• Track 36 : LionsBait_58, HippoHollow_58
• Track 37 : Ph8s_59
• Track 38 : Herbertwm_56
• Track 39 : Che12_59
• Track 40 : Serenity_58
• Track 41 : Journey13_52
• Track 42 : SwirlSquare_61
• Track 43 : Acolyte_53
• Track 44 : NothingSpecial_56
• Track 45 : MissWhite_57
• Track 46 : TipsytheTRex_54
• Track 47 : FatCactus_51
• Track 48 : Anthony_54
• Track 49 : Arissanae_57
• Track 50 : SheaKeira_56
• Track 51 : Spouty_58, Onglai_57, Beemo_58, Conquerage_58, Ayanochan_57, Fayely_58, Sachima_58, Lilleskat_58, Phaeder_58, Priya_58, Eidsmoe_58, Scherzo_58, Myxus_58, HortumSL17_58, Holex_58, EdogawaKiddo_58, Aliter_58, Qobbit_58, Ugenie5_55, Alma_58, Phonnegut_58, Catalina_59, Pioneer_58, Hanray_58, EmyBug_57, Jiawan_58, RyeScarlet_58, Tubs_58, PackMan_57
• Track 52 : MegTheThird_57
• Track 53 : Elephantoon_57
• Track 54 : DreamTeam1_56, Klodlith_57, Charm_56
• Track 55 : Maminiaina_57, BogosyJay_57
• Track 56 : CogOmlette_57, WorldCup_57, Rahalelujah_58, Minispark_57, Bellris_58
• Track 57 : ExplosioNervosa_58
• Track 58 : Celestialunch_56
• Track 59 : LoneWolf_59
• Track 60 : Darrell_60
• Track 61 : Yecey3_59
• Track 62 : Vanisoa_58
• Track 63 : Keziacharles14_58
• Track 64 : Toaka_58
• Track 65 : Indlulamithi_37
• Track 66 : Onyinye_53, Leopard_52, Aikoy_52
• Track 67 : Michkear_34
• Track 68 : ThursdayNight_38
• Track 69 : Tutumahutu_33, Flutur_33, Tbone_32
• Track 70 : Berrie_34
• Track 71 : Nitro_33
• Track 72 : Tuck_36, Community_34, Phives_35
• Track 73 : DrSierra_32

• Track 74 : Adumb2043_32, Turab_32
• Track 75 : Ascela_34
• Track 76 : Amploria_32, AEgle_32
• Track 77 : AGrandiflora_34
• Track 78 : Janeemi_35
• Track 79 : TforTroy_34
• Track 80 : Elezi_34, London_34, Subaru_34
• Track 81 : Yang_33, Schaffner_33
• Track 82 : YesChef_33, Powerpuff_35
• Track 83 : Lego_33
• Track 84 : Joemato_33, JohnDoe_33, Simpson_35
• Track 85 : ObiToo_36, Crewmate_37
• Track 86 : Mudpuppy_32
• Track 87 : Adolin_32
• Track 88 : DrManhattan_32
• Track 89 : VResidence_33
• Track 90 : MaGuCo_34
• Track 91 : LadyAstra_39, Origami_39
• Track 92 : JasmineDragon_39, ShakeItOph_39, MiniMommy_40
• Track 93 : AceofSpades_40
• Track 94 : Emotion_38
• Track 95 : VroomVroom_39
• Track 96 : FiveHead_43, JohnThicc_39
• Track 97 : Soondubu_31, Exile_31
• Track 98 : AinMach_35
• Track 99 : Thonko_81
• Track 100 : ScoobyDoobyDoo_73
• Track 101 : Greely_81, Phabba_83
• Track 102 : Myrna_77
• Track 103 : Gollum_46, BobbyDazzler_46, Lillie_46, Jester_45, AngryOrchard_44, RexFury_45, Erik_46, Nancinator_46, Yogi_45, StCroix_45, Espica_46, Bradshaw_46, Krishelle_46, CosmicSans_46, Dinger_45, UhSalsa_46, Natosaleda_45, Shuman_46, Naiad_45, Takoda_46, Bonanza_46, Belenaria_46, Harlequin_45, RER2_39, Rhodalysa_46, TWAMP_46, Phrankenstein_46, Alatin_45, Swann_46, Rasputin_46, Alpacados_45, Yoncess_45, Bryce_45
• Track 104 : Hiro_46, PhailMary_45
• Track 105 : Partridge_45
• Track 106 : RGL3_40
• Track 107 : AppleCloud_43
• Track 108 : Bachita_128, Cucurbita_126, Toniann_125, Engineer_127, PhinkBoden_125
• Track 109 : Miskis_120, Geeche_123, ClubL_125, Culver_125, Aphelion_125, Abscondus_124, Dusty_122, Norvs_124, Lozinak_125, Smoothie_126
• Track 110 : WilliamBoone_123
• Track 111 : OneUp_110
• Track 112 : BrutonGaster_100
• Track 113 : Banquo_62
• Track 114 : Goib_64, Splinter_63, TZGordon_64, Vendetta_63
• Track 115 : DinoDaryn_63, Huffy_63
• Track 116 : TinaLin_62
• Track 117 : Gsput1_55
• Track 118 : Dardanus_57
• Track 119 : Schmidt_57

• Track 120 : Catfish_63
• Track 121 : JonJames_133, Yvonnetastic_129
• Track 122 : Cardigan_131
• Track 123 : DatBoi_82
• Track 124 : Bantam_85, SpeedDemon_860
• Track 125 : Mollymur_85
• Track 126 : Daredevil_75, Towmatter_75
• Track 127 : CherryTomatoes_78, SCentae_76, Pupper_77
• Track 128 : Skog_140
• Track 129 : Keelan_118
• Track 130 : Ronaldo_118, Fryberger_117, Ziko_119, Guey18_121, Volt_121
• Track 131 : Sephiroth_110
• Track 132 : Kudefre_114
• Track 133 : Octobien14_110
• Track 134 : Syleon_115
• Track 135 : Neville_111
• Track 136 : LilJank_113, Trax_113
• Track 137 : Rabbitrun_113
• Track 138 : Stark_38, Maxxinista_38, Moldemort_38, Emmina_38, Gage_39, StormChicken_37, HufflyPuff_36, Nimrod_37, Petra64142_39, FireRed_37, Adnama_40, MollyToe_37, StellaBean_37, Elph10_38, TBrady12_39, Rimmer_36, Policronamos_37, Buck_36, Icee_36, FoghornLeghorn_36, RiverMonster_37, Kanye_39, TeardropMSU_36, Thresher_38, GoldenSpark_39, Thimble_37, Sassay_36, Tarkin_39, 244_39, Simpliphy_38, Lilpickle_36, HanKaySha_38, Argent26_39, MISSy_36, Rakim_38, Dumbo_37, Asriel_36, MadamMonkfish_37, BilboSwaggins_37, Myrale_37, Manda_38, Becksu_37, Ukulele_37, Kostya_38, TeamEdward_37, SophKB_37, DrDrey_38, Cactus_38, YassJohnny_38, GooberAzure_39, Hopey_39, Miniwave_37, PhatBacter_37, Command613_38, JeTaime_39, FairyPath_37, BugsBunny_35, Teaspoon_38, MPhalcon_36, Highbury_38, Kimchi_39, Livelaughbron_38, Saints25_38, Bask21_37, Stank_40, Easy2Say_39, StolenFromERC_39, Tuco_38, Quallification_38, NonchalantPear_37, Palpatine_37, NoSleep_38, Hoonter_39, Traaww1_35, Lilac_39, Filch_38, Phaux_36, Toto_37, Sotrice96_37, NelitzaMV_37, Czyszczon1_38, Terminus_37, AmericanBeauty_39, Goldilocks_38, Murphy_38, Bench_39, Gator_35, Phrux_37, CrystalP_37, Elite2014_36, Cjw1_37, Misfit_37, Inca_36, Ptowny_38, Wiggin_40, Greep_38, ChosenOne_37, ABCat_36, Bruin_37, Willez_36, Paperbeatsrock_39, Gemini_40, PaddyBaddy_38, Nala_37, Marshmallow_37, ShamWow_37, Pumpkin_39, Barbarian_36, xkcd_38, OrionPax_38, Lilizi_39, Porky_37, Xandras_39, Pharsalus_38, Murica_36
• Track 139 : Flypotenuse_35, SirDuracell_36, Harella_36, Glexan_35, ChotaBhai_37, Daikon_36, DoctorDiddles_37, Youngblood_37, Pat3_36, Dusk_36, BadStone_36, Contagion_36, Mindy_37, Mosby_36, Amao_37, BigBubba_38, Brewer_37, Tomaszewski_36, Henry_38, Holt_38, Cookies_37, Balomoji_36
• Track 140 : Bogg_38, BaboJay_37, Eureka_38, Goku_38
• Track 141 : Phaja_37, ShereKhan_39, IHOP_37
• Track 142 : Budgie_39
• Track 143 : Gack_33
• Track 144 : Bengal_37, AnnaLie_37, Albright_34, Finalfrontier_36, Softsoap_36, Burritobowl_36, LimaBean_35, Abigail_35, Arroyo_37, Avocadoman_35, BelmontSKP_37, Doobus_35, BubbaBear_35, SansAfet_37, Johnathan_35, DickRichards_35
• Track 145 : Clayda5_34, Skylord_33, Vitas_33
• Track 146 : Rollins_33, Brahms_33, Armstrong_33, Coltrane_33, Bernstein_33

• Track 147 : PondAmelia_38
• Track 148 : Kamdara_34
• Track 149 : Jabb_37, MsUbiquitous_37, QMacho_38, Albedo_36, Nicky22_37, SarBear_36, Jovita_37, Pecas_36, Slay_37, Kenzers_36, Swervy_37, Lynlen_36, Lilo27_37, SirBeanington_36, Eula_37, CupcakePrincess_37, AylexOG_38
• Track 150 : SunnyD_36, Teagster_37
• Track 151 : AvGardian_38
• Track 152 : BabyDaisy_35
• Track 153 : Elva_38
• Track 154 : Franklin22_35
• Track 155 : Icarian_39, Loviatar_37, Akino08_37
• Track 156 : CliffHanger_37
• Track 157 : PastaFagioli_35, Didgeridoo_38, Lahqtemish_35, Kate33_36, TukTuk_37, Cashington_34, PhigPhack_37
• Track 158 : Eden_34
• Track 159 : ChiliPepper_33, Sharkboy_35
• Track 160 : Stromboli_37, DirtyBubble_36
• Track 161 : Kieran_34
• Track 162 : Celaena_34
• Track 163 : Bachaco_34
• Track 164 : IndyLu_35, Grist_35
• Track 165 : Dismas_34
• Track 166 : BabyYoda_37
• Track 167 : Squircle_33, Olliecat_33
• Track 168 : FlameThrower_34
• Track 169 : BAjuniper_35
• Track 170 : Phisb_37
• Track 171 : Shayna_36
• Track 172 : SanaSana_39
• Track 173 : Milomuff_36, Solea_37
• Track 174 : Stoor_37
• Track 175 : Rona_34
• Track 176 : WalkingDead_38
• Track 177 : Buldak_33
• Track 178 : CanFranMach_36
• Track 179 : Quenya_35
• Track 180 : Katzastrophic_35
• Track 181 : CroZenni_36
• Track 182 : Wolfstar_31
• Track 183 : Alleb_29, Platte_28, Pioneer3_28, Hortus1_28, Tandem_28, OlinDD_28
• Track 184 : Lupine_29, Hubbs_30, Solimine_31, DejaVu_31, Pavlo_29, Saradis_31, Roman_30, Uterion_33
• Track 185 : Jacko_31
• Track 186 : PhillyPhilly_30
• Track 187 : Fork_31
• Track 188 : Necrophoxinus_37, Erenyeager_35
• Track 189 : Shroomer_39
• Track 190 : DustyDino_38, RunningBrook_36
• Track 191 : Musetta_35, Yuma_34
• Track 192 : StevieWelch_35
• Track 193 : Deschain_35, Casablancas_36
• Track 194 : Lyell_35
• Track 195 : ASegato_34

• Track 196 : Issa7_34
• Track 197 : Welcome_36
• Track 198 : SteakFry_37, HollowPurple_36
• Track 199 : Mistmere_28
• Track 200 : GardenState_42, IAmGroot_42
• Track 201 : Floof_43
• Track 202 : Caron_44
• Track 203 : SuMoo_44
• Track 204 : Cen1621_38
• Track 205 : Mabodamaca_42
• Track 206 : Percival_43
• Track 207 : SuperHands_41, Gretchen_42, Forester_41
• Track 208 : Zeta1847_35
• Track 209 : UtzChips_41, Barnstormer_41
• Track 210 : Honk_39
• Track 211 : KingKamren_9
• Track 212 : Zhengyi_9, EugeneKrabs_9
• Track 213 : Unphazed_9, DumpQuist_9
• Track 214 : MiamiPanther_9, JessellCookie_9
• Track 215 : HitchHiker_10, Oatly_9, Biozilla_9
• Track 216 : CrunchyBoi_10, PineapplePluto_10
• Track 217 : Salvatore2000_9, Sorvannah_9, Wesak_9, YellowPanda_9
• Track 218 : Corn21_9
• Track 219 : Stormbreaker_9, Alex44_9
• Track 220 : Dashyla_9, Xitlalli_9, SwissCheezer_9, Phogo_9
• Track 221 : Conditioner_9
• Track 222 : Birdfeeder_9
• Track 223 : LilyLou_9
• Track 224 : TicTac_9
• Track 225 : ArMaWen_9
• Track 226 : Pabst_9
• Track 227 : TinyTimothy_9
• Track 228 : ThirteenKH_9, TrippleS_9, Mazun_9
• Track 229 : RicoCaldo_9
• Track 230 : Barroma_9, Truong_9, JordanFarm_9, ShyRosie_9
• Track 231 : StagePhright_9, Fullmetal_9, Phractured_9, Phedro_9, Pharky_9
• Track 232 : Ashton_9, Waterlily_9, Akoni_9
• Track 233 : JimmyPG_9
• Track 234 : Astartes_9, PhriedRice_9, Moleficent_9, Keough_9
• Track 235 : Atraxi_9, Morrill_9
• Track 236 : Yafa_9
• Track 237 : Fede_9, Kosier_9
• Track 238 : SoilSleuth_9
• Track 239 : AloeVera_9
• Track 240 : Count_87
• Track 241 : Kikiko_7
• Track 242 : MissAmericana_7
• Track 243 : Kumotta_57, MargaretKali_53
• Track 244 : WaddleDee_95, Ellewin_96, Emmetator_100, BooTeria_98, DunneganBoMo_97, Artu_98
• Track 245 : LeoJr_107, Atuin_102
• Track 246 : Stewart25555_99
• Track 247 : Panchaali_99

• Track 248 : ReginaGlobina_107
• Track 249 : KSunshine22_102
• Track 250 : Vitus_40
• Track 251 : BlackJade_54
• Track 252 : GoldDust_40, Gooberta_40
• Track 253 : SunnyJune_47
• Track 254 : AirForce1_46
• Track 255 : Music_39, Vibaki_39
• Track 256 : Orkz_49
• Track 257 : Jinkies_45
• Track 258 : Hirko_38
• Track 259 : Divya_48
• Track 260 : GrimEater_30
• Track 261 : Elfy_29
• Track 262 : Jankie_31
• Track 263 : LisoBros_35
• Track 264 : CallinAllBarbz_34
• Track 265 : BaileyBlu_34
• Track 266 : Pitbull_58
• Track 267 : Gerri43_3, ChipsNGuac_3, CardboardBox_3, Roberts_3, Neuvillette_3, AnnabelLee_3, ChamoyPickle_3
• Track 268 : TMaxx_3
• Track 269 : Ezurina_2
• Track 270 : Makima_4
• Track 271 : Audell_6
• Track 272 : LastNadiia_6
• Track 273 : TripleC_6
• Track 274 : Mireles_3
• Track 275 : Studio_2
• Track 276 : Agamotto_5
• Track 277 : Khuang_61
• Track 278 : Altostratus_60
• Track 279 : WaterT_52, LeeroyJenkins_54
• Track 280 : BarnCat_46
• Track 281 : Cassita_54
• Track 282 : Lifes_48
• Track 283 : Dodo_214, A3Wally_218
• Track 284 : A3Wally_20, A3Wally_373
• Track 285 : Dodo_367, PauloDiaboli_20, PauloDiaboli_375, Dodo_21
• Track 286 : PauloDiaboli_218
• Track 287 : Big4_346, Big4_20
• Track 288 : Zooman_185, Big4_204
• Track 289 : Erasmago_208
• Track 290 : Zooman_18, Zooman_331
• Track 291 : Cece_195
• Track 292 : Pumpernickel_201
• Track 293 : Stuck_65, Shweta_51
• Track 294 : Bluvara_58
• Track 295 : Squint_50, Gonephishing_53, BronnyJames_44, Shaboozey_44
• Track 296 : Ejimix_52, Halley_52, HokkenD_45, EricMillard_52, Beem_52, Hughesyang_50, Bagrid_51, Yeet_50, ThreeRngTarjay_50, Kalah2_52, BAKA_56
• Track 297 : JuicyJay_54, Klein_52, DmpstrDiver_53, Schatzie_49, Odette_52

• Track 298 : Pound_54, Wanda_58, Duke13_55, Minerva_58, Bombitas_49, NihilNomen_51, Optimus_57, Phoebus_51
• Track 299 : Omega_56, Ariel_51, Lucky2013_51, LittleE_56, Porcelain_50, Courthouse_51, MiaZeal_51, Thibault_45, Nekros_50, Superphikiman_51
• Track 300 : Nibley_46, Redno2_50, Dallas_54, Zelink_53
• Track 301 : Hidrated_50
• Track 302 : Rearden_46
• Track 303 : Bobby_51, Hannaconda_48, KashFlow_45
• Track 304 : Dove_49, Constella_44, Xiaokay_47
• Track 305 : Marleymoo_53
• Track 306 : JoyLin_51, Eevee_51, Yotsuba_51
• Track 307 : Sweetclover_51
• Track 308 : Pippin15_52
• Track 309 : Serenabean_52
• Track 310 : Daddyjeff_52, AddiRose_51
• Track 311 : DrHayes_67, TiniBug_67, Urkel_67, SamuelLPlaqson_67, Anma_67
• Track 312 : SgtBeansprout_56, LilPharaoh_56, Trice_55, Enkosi_57, Amelie_55, Nutello_55, Teejan_57, Mdavu_56, Biglebops_55, Torres_58, Nikao_58
• Track 313 : Megsy_69
• Track 314 : TreyKay_68, CrimD_68, Prithvi_68, LindNT_66
• Track 315 : Curiosium_70
• Track 316 : TaiwanKao_69
• Track 317 : LeMond_70
• Track 318 : Chris_69
• Track 319 : Nibb_69
• Track 320 : MarkPhew_69
• Track 321 : Anaya_69
• Track 322 : Scarlett_71, Oscar_70, KiSi_71
• Track 323 : Chavito_69
• Track 324 : Tiri_67
• Track 325 : Keshu_70
• Track 326 : Lea83_68, Hurricane_68
• Track 327 : Pixie_67, TBond007_64
• Track 328 : MacnCheese_70
• Track 329 : Ruthiejr_71, Y10_67, OmniCritical_69, Y2_67, JF1_70
• Track 330 : Shadow1_71, Tigress9_71, Sunflower1121_72, Syra333_70
• Track 331 : Bryler_70, Cain_70, Phrank_70
• Track 332 : November_64
• Track 333 : Ximenita_72
• Track 334 : Krueger_71
• Track 335 : Amgine_65
• Track 336 : Yuna_71
• Track 337 : Aminay_66
• Track 338 : Rose5_30, Acquire49_30, Enceladus_30, Appletree2_30, OhShagHennessy_30, Calm_30, CicholasNage_30, Zaria_30, Wamburgrxpress_30, JoeDirt_30, LeBron_30, Halena_30, MAckerman_30, Wyatt2_30, AvadaKedavra_30, UPIE_30, Silverleaf_30
• Track 339 : DirkDirk_30, Tyson_30
• Track 340 : Poochiewood_30
• Track 341 : Tourach_32, Baoshan_31
• Track 342 : Breezona_32, Winky_32, Netyap_32, Vetrix_32, Gardann_32, Itos_32, Underpass_32, OverPar_32, Faith1_32, DrSeegs_32, Finemlucis_32, Wigglewiggle_32, MkaliMitinis3_32, Crossroads_32, Gabriela_32, Wilder_32,

Loadrie_32, BigCheese_32, BobsGarage_32, GuuelaD_32, Miley16_32, Nicholasp3_32
• Track 343 : ChengKai98_32, Lewan_32, Kahlid_32, Rumpelstiltskin_32, Hafay_32, Molivier_32, Soap141_32, Hiraya_32, SoJulia_33, Sarshaun_32, Lynnae_32
• Track 344 : Bazzle_32, Archie_32
• Track 345 : Rossetti_32
• Track 346 : DHan_32, Claus_32
• Track 347 : ZhongYanYuan_31, DanBing_31
• Track 348 : Zakai_32
• Track 349 : LilDestine_32
• Track 350 : DuncansLeg_31, LiyuLake_31, Ellson_31
• Track 351 : Moostard_31, Jobypre_31
• Track 352 : Krypton555_31
• Track 353 : MiniLon_31, MiniMac_31, Lolly9_31
• Track 354 : BourbonZero_30, KirDoubleO7_29
• Track 355 : Red305_31
• Track 356 : Whirlwind_32
• Track 357 : Bromden_32
• Track 358 : Kropertea_30, ChutneyChips_31, Chaser_30, DyoEdafos_31
• Track 359 : Quby_30, FarmResident_30
• Track 360 : Douge_30
• Track 361 : PYPDinur_30, BrainDrainer_31, Sheng711_30, Douzhi_30
• Track 362 : Riparian_40, Weiss13_40, Rope_40, Papyrus_40
• Track 363 : Zenon_41, Nilo_41, Yelo_40, Send513_40, Candle_40
• Track 364 : MontyDev_40
• Track 365 : Gimesa_41
• Track 366 : Stellammi_36
• Track 367 : Cosmo_53, Azrael100_52, EniyanLRS_50, Wildcat_53, MaryV_53
• Track 368 : Kumao_40
• Track 369 : Juicebox_39
• Track 370 : Mbo4_60
• Track 371 : Footloose_59
• Track 372 : GMA4_22
• Track 373 : Yappy_50
• Track 374 : BFK20_ORF53
• Track 375 : DS6A_74
• Track 376 : EmiRose_45
• Track 377 : Tailonex_48

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

The start number called the most often in the published annotations is 164, it was called in 174 of the 883 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 244_39, ABCat_36, AddiRose_51, Adnama_40, Agamotto_5, Aikoy_52, AinMach_35, Amao_37, AmericanBeauty_39, Argent26_39, Asriel_36, Audell_6, BAKA_56, BadStone_36, Bagrid_51, Balomoji_36, Barbarian_36, Bask21_37, Becksu_37, Beem_52, Bench_39, BigBubba_38, BilboSwaggins_37, Bobby_51, Bombitas_49, Brewer_37, Bruin_37, Buck_36, Budgie_39, BugsBunny_35,

Cactus_38, ChosenOne_37, ChotaBhai_37, Cjw1_37, Command613_38, Constella_44, Contagion_36, Cookies_37, CrystalP_37, Czyszczon1_38, Daddyjeff_52, Daikon_36, Dallas_54, DmpstrDiver_53, DoctorDiddles_37, Dove_49, DrDrey_38, Duke13_55, Dumbo_37, Dusk_36, Easy2Say_39, Eevee_51, Ejimix_52, Elite2014_36, Elph10_38, Emmina_38, EricMillard_52, FairyPath_37, Filch_38, FireRed_37, Flypotenuse_35, FoghornLeghorn_36, Footloose_59, GMA4_22, Gage_39, Gator_35, Gemini_40, Glexan_35, GoldenSpark_39, Goldilocks_38, GooberAzure_39, Greep_38, Halley_52, HanKaySha_38, Hannaconda_48, Harella_36, Henry_38, Highbury_38, HokkenD_45, Holt_38, Hoonter_39, Hopey_39, HufflyPuff_36, Hughesyang_50, Icee_36, Inca_36, Indlulamithi_37, JeTaime_39, JoyLin_51, JuicyJay_54, Kalah2_52, Kanye_39, KashFlow_45, Kimchi_39, Klein_52, Kostya_38, Leopard_52, Lilac_39, Lilizi_39, Lilpickle_36, Livelaughbron_38, MISSy_36, MPhalcon_36, MadamMonkfish_37, Manda_38, Marshmallow_37, Maxxinista_38, Mbo4_60, Michkear_34, Mindy_37, Minerva_58, Miniwave_37, Misfit_37, Mistmere_28, Moldemort_38, MollyToe_37, Mosby_36, Murica_36, Murphy_38, Myrale_37, Nala_37, NelitzaMV_37, Nibley_46, NihilNomen_51, Nimrod_37, NoSleep_38, NonchalantPear_37, Odette_52, Onyinye_53, Optimus_57, OrionPax_38, PaddyBaddy_38, Palpatine_37, Paperbeatsrock_39, Pat3_36, Petra64142_39, Pharsalus_38, PhatBacter_37, Phaux_36, Phoebus_51, Phrux_37, Pippin15_52, Policronamos_37, Porky_37, Pound_54, Ptowny_38, Pumpkin_39, Quallification_38, Rakim_38, Rearden_46, Redno2_50, Rimmer_36, RiverMonster_37, Saints25_38, Sassay_36, Schatzie_49, Serenabean_52, ShamWow_37, Simpliphy_38, SirDuracell_36, SophKB_37, Sotrice96_37, Stank_40, Stark_38, StellaBean_37, StolenFromERC_39, StormChicken_37, Sweetclover_51, TBrady12_39, Tarkin_39, TeamEdward_37, TeardropMSU_36, Teaspoon_38, Terminus_37, Thimble_37, ThreeRngTarjay_50, Thresher_38, Tomaszewski_36, Toto_37, Traaww1_35, TripleC_6, Tuco_38, Ukulele_37, Wanda_58, Wiggin_40, Willez_36, Xandras_39, Xiaokay_47, YassJohnny_38, Yeet_50, Yotsuba_51, Youngblood_37, Zelink_53, xkcd_38,

Genes that have the "Most Annotated" start but do not call it:
• IHOP_37, Kumao_40, Phaja_37, ShereKhan_39,

Genes that do not have the "Most Annotated" start:
• 40AC_59, A3Wally_20, A3Wally_218, A3Wally_373, AEgle_32, AGrandiflora_34, AN9_61, ANI8_61, ASegato_34, AbbyPaige_60, Abigail_35, Abscondus_124, AceofSpades_40, Acolyte_53, Acquire49_30, Adolin_32, Adumb2043_32, Adzzy_59, Agape74_60, AirForce1_46, Akino08_37, Akoni_9, Alatin_45, Albedo_36, Albright_34, Alex44_9, Aliter_58, Alleb_29, Alma_58, AloeVera_9, Alpacados_45, Altostratus_60, Amelie_55, Amgine_65, Aminay_66, Amploria_32, Anaya_69, Anaysia_64, Aneem_58, AngryOrchard_44, Anma_67, AnnaLie_37, AnnabelLee_3, Anon_61, Anselm_59, Anthony_54, Aphelion_125, AppleCloud_43, Appletree2_30, ArMaWen_9, Archie_32, Ariel_51, Arissanae_57, Armstrong_33, Arroyo_37, Artu_98, Ascela_34, Ashton_9, Astartes_9, Atraxi_9, Atuin_102, AvGardian_38, AvadaKedavra_30, Avocadoman_35, Ayanochan_57, AylexOG_38, Azrael100_52, BAjuniper_35, BFK20_ORF53, BaboJay_37, BabyDaisy_35, BabyYoda_37, Bachaco_34, Bachita_128, Bachome_59, BaileyBlu_34, Banquo_62, Bantam_85, Baoshan_31, BarnCat_46, Barnstormer_41, Barroma_9, Battleship_66, Bazzle_32, Beemo_58, Belenaria_46, Bellris_58, BelmontSKP_37, Bengal_37, Benvolio_55, Bernstein_33, Berrie_34, Big4_20, Big4_204, Big4_346, BigCheese_32, Biglebops_55, Biozilla_9, Birdfeeder_9, BlackJade_54, Bluvara_58, BobSwaget_54, BobbyDazzler_46, BobsGarage_32, Bogg_38, BogosyJay_57, Bonanza_46, BooTeria_98, Boohoo_64, BourbonZero_30, Bowtie_58, Bradman_57, Bradshaw_46,

Brahms_33, BrainDrainer_31, Breezona_32, Bromden_32, BronnyJames_44, BrutonGaster_100, Bryce_45, Bryler_70, BubbaBear_35, Bud_57, Bugsy_60, Buldak_33, Burritobowl_36, C3_56, Cain_70, CallinAllBarbz_34, Calm_30, CanFranMach_36, Candle_40, Caraxes_56, CardboardBox_3, Cardigan_131, Caron_44, Casablancas_36, Cashington_34, Cassita_54, Catalina_59, Catfish_63, Cece_195, Celaena_34, Celestialunch_56, Cen1621_38, ChamoyPickle_3, Charm_56, Chaser_30, Chavito_69, Che12_59, ChengKai98_32, CherryTomatoes_78, ChiliPepper_33, ChipMunk_60, ChipsNGuac_3, Chris_69, ChutneyChips_31, CicholasNage_30, Claus_32, Clayda5_34, CliffHanger_37, ClubL_125, CogOmlette_57, Coltrane_33, Community_34, Conditioner_9, Conquerage_58, Corn21_9, CosmicSans_46, Cosmo_53, Count_87, Courthouse_51, Crewmate_37, CrimD_68, CroZenni_36, Crossroads_32, Crucio_58, CrunchyBoi_10, Cucurbita_126, Culver_125, CupcakePrincess_37, Curiosium_70, D29_56, D32_59, DBQu4n_60, DHan_32, DS6A_74, Dalmatian_59, DanBing_31, Dardanus_57, Daredevil_75, Darrell_60, DarthPhader_54, Dashyla_9, DatBoi_82, DejaVu_31, DekHockey33_65, Deschain_35, DickRichards_35, Didgeridoo_38, Dignity_60, Dinger_45, DinoDaryn_63, DirkDirk_30, DirtyBubble_36, Dismas_34, Divya_48, Dodo_21, Dodo_214, Dodo_367, Doobus_35, Douge_30, Douzhi_30, DrHayes_67, DrManhattan_32, DrSeegs_32, DrSierra_32, DreamTeam1_56, DudeLittle_57, DumpQuist_9, DuncansLeg_31, DunneganBoMo_97, Duplo_60, DustyDino_38, Dusty_122, DyoEdafos_31, EagleEye_60, Ebony_57, Echild_58, Eden_34, EdogawaKiddo_58, Eidsmoe_58, Elephantoon_57, Elezi_34, Elfy_29, Ellewin_96, Ellson_31, Elva_38, EmiRose_45, Emmetator_100, Emotion_38, EmyBug_57, Enceladus_30, Engineer_127, EniyanLRS_50, Enkosi_57, Epsocamisio_61, Erasmago_208, Erenyeager_35, Erik_46, Espica_46, Et2Brutus_56, EugeneKrabs_9, Eula_37, Eureka_38, EvilGenius_60, Exile_31, ExplosioNervosa_58, Ezurina_2, Faith1_32, Fameo_58, FarmResident_30, FatCactus_51, Fayely_58, Fede_9, Fibonacci_57, Finalfrontier_36, Finemlucis_32, FiringLine_58, FiveHead_43, FlameThrower_34, Flaverint_58, Floof_43, Flutur_33, Forester_41, Fork_31, Franklin22_35, Fryberger_117, Fullmetal_9, Gabriela_32, Gack_33, Gardann_32, GardenState_42, Geeche_123, Georgie2_59, Gerri43_3, Gilberta_58, Gimesa_41, Goib_64, Goku_38, GoldDust_40, Gollum_46, Gonephishing_53, Gooberta_40, Greely_81, Gretchen_42, GrimEater_30, Grist_35, Gsput1_55, Guey18_121, GuuelaD_32, Hafay_32, Halena_30, Hanray_58, Harlequin_45, Heffalump_57, Herbertwm_56, Hidrated_50, HippoHollow_58, Hiraya_32, Hirko_38, Hiro_46, HitchHiker_10, Holex_58, HollowPurple_36, Honk_39, HortumSL17_58, Hortus1_28, Hubbs_30, Huffy_63, Hurricane_68, Hutc2_57, IAmGroot_42, Icarian_39, IndyLu_35, Insomnia_58, Issa7_34, Itos_32, JF1_70, JSwag_63, Jabb_37, Jabith_58, Jacko_31, Janeemi_35, Jankie_31, JasmineDragon_39, Jerm_60, JessellCookie_9, Jester_45, Jiawan_58, JimmyPG_9, Jinkies_45, Jobypre_31, JoeDirt_30, Joemato_33, JohnDoe_33, JohnThicc_39, Johnathan_35, JonJames_133, JordanFarm_9, Joselito_58, Journey13_52, Jovita_37, Jsquared_56, Juicebox_39, KSunshine22_102, Kahlid_32, Kamdara_34, Kate33_36, KatherineG_64, Katzastrophic_35, Keelan_118, Kenzers_36, Keough_9, Kerberos_60, Keshu_70, Keziacharles14_58, Khuang_61, KiSi_71, Kieran_34, Kikiko_7, Kimba_57, KingCyrus_60, KingKamren_9, KirDoubleO7_29, Klodlith_57, Koduck_59, Kosier_9, Krishelle_46, Kropertea_30, Krueger_71, Krypton555_31, Kudefre_114, Kumotta_57, L5_56, LadyAstra_39, Lahqtemish_35, Larenn_57, LastNadiia_6, LastResort_62, LeBron_30, LeMond_70, Lea83_68, LeeroyJenkins_54, Lego_33, LeoJr_107, Leviathan_60, Lewan_32, Lifes_48, LilDestine_32, LilJank_113, LilPharaoh_56, LilTurb_59, Lilleskat_58, Lillie_46, Lilo27_37, LilyLou_9, LimaBean_35, LindNT_66, LionsBait_58, LisoBros_35, LittleE_56, LiyuLake_31, Loadrie_32, LogiBear_62, Lokk_55, Lolly9_31, London_34, LoneWolf_59, Looper_63, Loviatar_37,

Lozinak_125, Lucivia_58, Lucky2013_51, Lucyedi_59, Lupine_29, Lyell_35, Lynlen_36, Lynnae_32, MAckerman_30, MaCh_58, MaGuCo_34, Mabel_57, Mabodamaca_42, MacnCheese_70, MajorMajor_57, Makima_4, Malec_58, Maminiaina_57, MargaretKali_53, MarkPhew_69, Marleymoo_53, MaryV_53, Mazun_9, Mdavu_56, MegTheThird_57, Megsy_69, MiaZeal_51, MiamiPanther_9, Miko_55, Miley16_32, Milomuff_36, MinecraftSteve_64, MiniLon_31, MiniMac_31, MiniMommy_40, Minispark_57, Mireles_3, Miskis_120, MissAmericana_7, MissWhite_57, MkaliMitinis3_32, Mkhuseli_58, Moleficent_9, Molivier_32, Mollymur_85, MontyDev_40, Moostard_31, Morrill_9, MsUbiquitous_37, Mudpuppy_32, Mulciber_57, Munch_58, Musetta_35, Music_39, Myrna_77, Myxus_58, Naiad_45, Naji_60, Nancinator_46, Natosaleda_45, Nebulosus_62, Necrophoxinus_37, Nedarya_60, Nekros_50, Netyap_32, Neuvillette_3, Neville_111, Nibb_69, Nicholasp3_32, Nicky22_37, Nikao_58, Nilo_41, Nitro_33, Norvs_124, NothingSpecial_56, November_64, Nutello_55, Oatly_9, ObiToo_36, Octobien14_110, Odin_56, OhShagHennessy_30, OlinDD_28, Olliecat_33, Omega_56, OmniCritical_69, OneUp_110, Onglai_57, Oofda_65, Orange_57, Origami_39, Orkz_49, Oscar_70, OverPar_32, PYPDinur_30, Pabst_9, PackMan_57, PainterBoy_59, Panchaali_99, Papyrus_40, Partridge_45, PastaFagioli_35, PauloDiaboli_20, PauloDiaboli_218, PauloDiaboli_375, Pavlo_29, Pecas_36, Percival_43, Petersenfast_57, Ph8s_59, Phabba_83, Phaeder_58, PhailMary_45, Pharaoh_53, Pharky_9, Phedro_9, PhigPhack_37, PhillyPhilly_30, PhinkBoden_125, Phisb_37, Phives_35, Phlei_47, Phogo_9, Phonnegut_58, Phractured_9, Phrank_70, Phrankenstein_46, PhriedRice_9, PineapplePluto_10, Pioneer3_28, Pioneer_58, Pitbull_58, Pixie_67, Platte_28, Pomar16_60, PondAmelia_38, Poochiewood_30, Porcelain_50, Power_57, Powerpuff_35, Prithvi_68, Priya_58, Pumpernickel_201, Pupper_77, QMacho_38, Qobbit_58, Quby_30, QueenB2_57, QueenBeesly_58, Quenya_35, Quokka_56, RER2_39, RGL3_40, Rabbitrun_113, Rachaly_57, Rahalelujah_58, Rasputin_46, Ravana_66, ReMo_62, Red305_31, Refuge_56, ReginaGlobina_107, Remus_64, Retro23_59, RexFury_45, Rhodalysa_46, RicoCaldo_9, Riparian_40, Roberts_3, Rollins_33, Roman_30, Rona_34, Ronaldo_118, Rope_40, Rosalind_62, Rose5_30, Rossetti_32, Rumpelstiltskin_32, RunningBrook_36, Ruthiejr_71, RyeScarlet_58, SCentae_76, Sachima_58, Salvatore2000_9, Salz_56, SamuelLPlaqson_67, SanaSana_39, SansAfet_37, SarBear_36, Saradis_31, Sarshaun_32, Saskia_58, Scarlett_71, Schaffner_33, Scherzo_58, Schmidt_57, ScoobyDoobyDoo_73, SemperFi_59, Send513_40, Sephiroth_110, Serenity_58, SgtBeansprout_56, Shaboozey_44, Shadow1_71, ShakeItOph_39, Sham4_57, Sharkboy_35, ShayRa_64, Shayna_36, SheaKeira_56, Sheng711_30, Shroomer_39, Shuman_46, Shweta_51, ShyRosie_9, Silverleaf_30, Simpson_35, SirBeanington_36, Skog_140, Skylord_33, Slay_37, Smeagan_61, Smoothie_126, SnapTap_58, Snape_57, SoJulia_33, Soap141_32, Softsoap_36, SoilSleuth_9, Solea_37, Solimine_31, Soondubu_31, Sorvannah_9, Soups_64, SpeedDemon_860, Splinter_63, Spouty_58, Squint_50, Squircle_33, StCroix_45, StagePhright_9, StarStuff_60, SteakFry_37, Steamy_54, Stellammi_36, StevieWelch_35, Stewart25555_99, Stoor_37, Stormbreaker_9, Stromboli_37, Strosahl_64, Stuck_65, Studio_2, SuMoo_44, Subaru_34, Sunflower1121_72, SunnyD_36, SunnyJune_47, SuperHands_41, Superchunk_56, Superphikiman_51, Swann_46, SweetiePie_58, Swervy_37, SwirlSquare_61, SwissCheezer_9, Switzerland_63, Syleon_115, Syra333_70, TBond007_64, TMaxx_3, TWAMP_46, TZGordon_64, Tailonex_48, TaiwanKao_69, Takoda_46, Tandem_28, Tbone_32, Teagster_37, Teejan_57, TforTroy_34, Thibault_45, ThirteenKH_9, Thonko_81, ThursdayNight_38, TicTac_9, Tigress9_71, Timothy_57, TinaLin_62, TiniBug_67, TinyTimmy_57, TinyTimothy_9, TipsytheTRex_54, Tiri_67, Toaka_58, Tomathan_60, Toniann_125, Torres_58, Tourach_32, Towmatter_75, Travvers_60, Trax_113,

TreyKay_68, Trice_55, TrippleS_9, Truong_9, Tubs_58, Tuck_36, TukTuk_37, Turab_32, Turbido_59, Tutumahutu_33, Tyson_30, UPIE_30, Ugenie5_55, UhSalsa_46, Underpass_32, Unphazed_9, Urkel_67, Uterion_33, UtzChips_41, VC3_61, VResidence_33, Vanisoa_58, Vendetta_63, Vetrix_32, Vibaki_39, Vitas_33, Vitus_40, Volt_121, VroomVroom_39, WaddleDee_95, Waits_64, WalkingDead_38, Wamburgrxpress_30, Warrior24_66, WaterT_52, Waterlily_9, Weiss13_40, Welcome_36, Wesak_9, Whabigail7_59, Whirlwind_32, Wigglewiggle_32, Wildcat_53, Wilder_32, WilliamBoone_123, Winky_32, Wolfstar_31, Wolpertinger_56, WorldCup_57, Wyatt2_30, Ximenita_72, Xitlalli_9, Y10_67, Y2_67, Yafa_9, Yang_33, Yappy_50, Yecey3_59, YellowPanda_9, Yelo_40, YesChef_33, Yogi_45, Yoncess_45, Yuma_34, Yuna_71, Yvonnetastic_129, Zakai_32, Zaria_30, Zenon_41, Zeta1847_35, Zhengyi_9, ZhongYanYuan_31, Ziko_119, Zimmer_55, Zooman_18, Zooman_185, Zooman_331,

Summary by start number:

Start 104:
• Found in 23 of 998 (2.3%) of genes in pham
• Manual Annotations of this start: 2 of 883
• Called 8.7% of time when present
• Phage (with cluster) where this start called: Amgine_65 (K6), Krueger_71 (K6),

Start 105:
• Found in 3 of 998 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 883
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Juicebox_39 (singleton),

Start 107:
• Found in 14 of 998 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 883
• Called 7.1% of time when present
• Phage (with cluster) where this start called: Keshu_70 (K3),

Start 121:
• Found in 16 of 998 (1.6%) of genes in pham
• Manual Annotations of this start: 12 of 883
• Called 75.0% of time when present
• Phage (with cluster) where this start called: AN9_61 (A2), ANI8_61 (A2), Adzzy_59 (A2), C3_56 (A2), Caraxes_56 (A2), Che12_59 (A2), Koduck_59 (A2), L5_56 (A2), Odin_56 (A2), Ph8s_59 (A2), Superchunk_56 (A2), VC3_61 (A2),

Start 123:
• Found in 4 of 998 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 883
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Cen1621_38 (EH),

Start 133:
• Found in 14 of 998 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 883
• Called 7.1% of time when present
• Phage (with cluster) where this start called: PhillyPhilly_30 (ED1),

Start 134:
• Found in 4 of 998 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 883
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Rabbitrun_113 (DU2),

Start 135:
• Found in 1 of 998 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 883
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ThursdayNight_38 (AZ),

Start 136:
• Found in 1 of 998 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 883
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Buldak_33 (EB),

Start 137:
• Found in 3 of 998 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 883
• Called 33.3% of time when present
• Phage (with cluster) where this start called: MaGuCo_34 (AZ2),

Start 138:
• Found in 6 of 998 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 883
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Music_39 (FL), Vibaki_39 (FL), Vitus_40 (FL),

Start 139:
• Found in 2 of 998 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 883
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tailonex_48 (singleton), Yappy_50 (singleton),

Start 140:
• Found in 7 of 998 (0.7%) of genes in pham
• Manual Annotations of this start: 6 of 883
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Bantam_85 (DL), Daredevil_75 (DL), DatBoi_82 (DL), Mollymur_85 (DL), SpeedDemon_860 (DL), Towmatter_75 (DL),

Start 141:
• Found in 161 of 998 (16.1%) of genes in pham
• Manual Annotations of this start: 140 of 883
• Called 94.4% of time when present
• Phage (with cluster) where this start called: 40AC_59 (A17), AbbyPaige_60 (A2), Acolyte_53 (A2), Agape74_60 (A2), Aliter_58 (A9), Alma_58 (A9), Aneem_58 (A11), Anselm_59 (A2), Anthony_54 (A20), Arissanae_57 (A9), Ayanochan_57 (A9),

Bachome_59 (A11), Beemo_58 (A9), Bellris_58 (A9), Benvolio_55 (A2), BobSwaget_54 (A2), BogosyJay_57 (A9), Bowtie_58 (A11), Bradman_57 (A2), BrutonGaster_100 (CQ2), Bud_57 (A11), Bugsy_60 (A2), Catalina_59 (A9), Celestialunch_56 (A9), Charm_56 (A9), ChipMunk_60 (A2), CogOmlette_57 (A9), Conquerage_58 (A9), Crucio_58 (A2), D29_56 (A2), D32_59 (A2), DBQu4n_60 (A2), Dalmatian_59 (A2), Darrell_60 (A9), DarthPhader_54 (A12), Dignity_60 (A2), DreamTeam1_56 (A9), DudeLittle_57 (A2), Duplo_60 (A2), EagleEye_60 (A16), Ebony_57 (A11), Echild_58 (A2), EdogawaKiddo_58 (A9), Eidsmoe_58 (A9), Elephantoon_57 (A9), EmyBug_57 (A9), Et2Brutus_56 (A11), EvilGenius_60 (A2), Fameo_58 (A2), FatCactus_51 (A20), Fayely_58 (A9), Fibonacci_57 (A11), FiringLine_58 (A2), Flaverint_58 (A11), Georgie2_59 (A2), Gilberta_58 (A11), Hanray_58 (A9), Heffalump_57 (A2), Herbertwm_56 (A2), HippoHollow_58 (A2), Holex_58 (A9), HortumSL17_58 (A9), Hutc2_57 (A11), Insomnia_58 (A11), Jabith_58 (A11), Jerm_60 (A2), Jiawan_58 (A9), Joselito_58 (A11), Journey13_52 (A2), Jsquared_56 (A2), Kerberos_60 (A2), Keziacharles14_58 (A9), Kimba_57 (A11), KingCyrus_60 (A2), Klodlith_57 (A9), Larenn_57 (A2), Leviathan_60 (A2), LilTurb_59 (A2), Lilleskat_58 (A9), LionsBait_58 (A2), LogiBear_62 (A15), Lokk_55 (A2), LoneWolf_59 (A9), Lucivia_58 (A11), MaCh_58 (A11), Mabel_57 (A11), MajorMajor_57 (A2), Malec_58 (A2), Maminiaina_57 (A9), MegTheThird_57 (A9), Miko_55 (A2), Minispark_57 (A9), MissWhite_57 (A2), Mulciber_57 (A11), Munch_58 (A11), Myxus_58 (A9), Naji_60 (A2), NothingSpecial_56 (A2), OneUp_110 (CQ2), Onglai_57 (A9), Orange_57 (A11), PackMan_57 (A9), PainterBoy_59 (A16), Petersenfast_57 (A11), Phaeder_58 (A9), Pharaoh_53 (A12), Phlei_47 (A13), Phonnegut_58 (A9), Pioneer_58 (A9), Pomar16_60 (A2), Power_57 (A2), Priya_58 (A9), Qobbit_58 (A9), QueenB2_57 (A2), QueenBeesly_58 (A2), Quokka_56 (A2), Rachaly_57 (A2), Rahalelujah_58 (A9), Refuge_56 (A12), Retro23_59 (A2), RyeScarlet_58 (A9), Sachima_58 (A9), Salz_56 (A11), Saskia_58 (A11), Scherzo_58 (A9), SemperFi_59 (A2), Serenity_58 (A2), Sham4_57 (A11), SheaKeira_56 (A9), Smeagan_61 (A2), SnapTap_58 (A2), Snape_57 (A11), Spouty_58 (A9), StarStuff_60 (A2), Steamy_54 (A12), SweetiePie_58 (A2), SwirlSquare_61 (A2), Timothy_57 (A11), TinyTimmy_57 (A11), TipsytheTRex_54 (A2), Toaka_58 (A9), Tomathan_60 (A2), Travvers_60 (A2), Tubs_58 (A9), Turbido_59 (A2), Ugenie5_55 (A9), Vanisoa_58 (A9), Whabigail7_59 (A2), Wolpertinger_56 (A11), WorldCup_57 (A9), Yecey3_59 (A9), Zimmer_55 (A12),

Start 143:
• Found in 2 of 998 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 883
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Floof_43 (EH),

Start 144:
• Found in 1 of 998 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 883
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nitro_33 (AZ1),

Start 145:
• Found in 19 of 998 (1.9%) of genes in pham
• Manual Annotations of this start: 16 of 883
• Called 89.5% of time when present
• Phage (with cluster) where this start called: AEgle_32 (AZ1), Adolin_32 (AZ1), Adumb2043_32 (AZ1), Amploria_32 (AZ1), Barnstormer_41 (EH), Caron_44 (EH),

DrManhattan_32 (AZ1), Forester_41 (EH), GardenState_42 (EH), Gretchen_42 (EH), IAmGroot_42 (EH), Mabodamaca_42 (EH), Percival_43 (EH), SuMoo_44 (EH), SuperHands_41 (EH), Turab_32 (AZ1), UtzChips_41 (EH),

Start 148:
• Found in 20 of 998 (2.0%) of genes in pham
• Manual Annotations of this start: 16 of 883
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AGrandiflora_34 (AZ1), Ascela_34 (AZ1), Berrie_34 (AZ1), Community_34 (AZ1), DrSierra_32 (AZ1), Elezi_34 (AZ1), Flutur_33 (AZ), Janeemi_35 (AZ1), Joemato_33 (AZ1), JohnDoe_33 (AZ1), London_34 (AZ1), Phives_35 (AZ1), Schaffner_33 (AZ1), Simpson_35 (AZ1), Subaru_34 (AZ1), Tbone_32 (AZ1), TforTroy_34 (AZ1), Tuck_36 (AZ1), Tutumahutu_33 (AZ1), Yang_33 (AZ1),

Start 149:
• Found in 19 of 998 (1.9%) of genes in pham
• Manual Annotations of this start: 12 of 883
• Called 68.4% of time when present
• Phage (with cluster) where this start called: Abscondus_124 (CQ1), Aphelion_125 (CQ1), Cardigan_131 (DD), ClubL_125 (CQ1), Culver_125 (CQ1), Dusty_122 (CQ1), Geeche_123 (CQ1), JonJames_133 (DD), Lozinak_125 (CQ1), Miskis_120 (CQ1), Norvs_124 (CQ1), Smoothie_126 (CQ1), Yvonnetastic_129 (DD),

Start 150:
• Found in 22 of 998 (2.2%) of genes in pham
• Manual Annotations of this start: 14 of 883
• Called 68.2% of time when present
• Phage (with cluster) where this start called: AirForce1_46 (FL), Bachita_128 (CQ1), BlackJade_54 (FL), Cucurbita_126 (CQ1), Divya_48 (FL), Engineer_127 (CQ1), GoldDust_40 (FL), Gooberta_40 (FL), Hirko_38 (FL), Jinkies_45 (FL), Nedarya_60 (A15), PhinkBoden_125 (CQ1), SunnyJune_47 (FL), Toniann_125 (CQ1), WilliamBoone_123 (CQ1),

Start 151:
• Found in 4 of 998 (0.4%) of genes in pham
• Manual Annotations of this start: 4 of 883
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CherryTomatoes_78 (DO), Pupper_77 (DO), SCentae_76 (DO), Skog_140 (DO),

Start 152:
• Found in 22 of 998 (2.2%) of genes in pham
• Manual Annotations of this start: 22 of 883
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anaysia_64 (A15), Battleship_66 (A15), Boohoo_64 (A15), DekHockey33_65 (A15), Epsocamisio_61 (A15), JSwag_63 (A15), KatherineG_64 (A15), LastResort_62 (A15), Looper_63 (A15), MinecraftSteve_64 (A15), Nebulosus_62 (A15), Oofda_65 (A15), Ravana_66 (A15), ReMo_62 (A15), Remus_64 (A15), Rosalind_62 (A15), ShayRa_64 (A15), Soups_64 (A15), Strosahl_64 (A15), Switzerland_63 (A15), Waits_64 (A15), Warrior24_66 (A15),

Start 153:

• Found in 42 of 998 (4.2%) of genes in pham
• Manual Annotations of this start: 38 of 883
• Called 97.6% of time when present
• Phage (with cluster) where this start called: Alatin_45 (CA), Alpacados_45 (CA), AngryOrchard_44 (CA), Anon_61 (A15), AppleCloud_43 (CA), BFK20_ORF53 (singleton), Belenaria_46 (CA), BobbyDazzler_46 (CA), Bonanza_46 (CA), Bradshaw_46 (CA), Bryce_45 (CA), CosmicSans_46 (CA), Dinger_45 (CA), Erik_46 (CA), Espica_46 (CA), Gollum_46 (CA), Harlequin_45 (CA), Hiro_46 (CA), Jester_45 (CA), Krishelle_46 (CA), Lillie_46 (CA), Lucyedi_59 (A16), Naiad_45 (CA), Nancinator_46 (CA), Natosaleda_45 (CA), Partridge_45 (CA), PhailMary_45 (CA), Phrankenstein_46 (CA), RER2_39 (CA), RGL3_40 (CA), Rasputin_46 (CA), RexFury_45 (CA), Rhodalysa_46 (CA), Shuman_46 (CA), StCroix_45 (CA), Swann_46 (CA), TWAMP_46 (CA), Takoda_46 (CA), UhSalsa_46 (CA), Yogi_45 (CA), Yoncess_45 (CA),

Start 154:
• Found in 18 of 998 (1.8%) of genes in pham
• Manual Annotations of this start: 15 of 883
• Called 94.4% of time when present
• Phage (with cluster) where this start called: AceofSpades_40 (AZ4), Aminay_66 (K7), Emotion_38 (AZ4), FiveHead_43 (AZ4), JF1_70 (K4), JasmineDragon_39 (AZ4), JohnThicc_39 (AZ4), Kumao_40 (singleton), LadyAstra_39 (AZ4), MiniMommy_40 (AZ4), OmniCritical_69 (K4), Origami_39 (AZ4), Ruthiejr_71 (K4), ShakeItOph_39 (AZ4), VroomVroom_39 (AZ4), Y10_67 (K4), Y2_67 (K4),

Start 155:
• Found in 1 of 998 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 883
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Honk_39 (EH),

Start 156:
• Found in 5 of 998 (0.5%) of genes in pham
• Manual Annotations of this start: 5 of 883
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Count_87 (EL), EmiRose_45 (singleton), LastNadiia_6 (FR), Makima_4 (FR), Mireles_3 (FR),

Start 157:
• Found in 69 of 998 (6.9%) of genes in pham
• Manual Annotations of this start: 56 of 883
• Called 94.2% of time when present
• Phage (with cluster) where this start called: Akoni_9 (EK2), Alex44_9 (EK1), AloeVera_9 (EK2), ArMaWen_9 (EK1), Ashton_9 (EK2), Astartes_9 (EK2), Atraxi_9 (EK2), Barroma_9 (EK2), Biozilla_9 (EK1), Birdfeeder_9 (EK1), Conditioner_9 (EK1), Corn21_9 (EK1), CrunchyBoi_10 (EK1), Dashyla_9 (EK1), DumpQuist_9 (EK1), EugeneKrabs_9 (EK), Fede_9 (EK2), Fullmetal_9 (EK2), HitchHiker_10 (EK1), JessellCookie_9 (EK1), JordanFarm_9 (EK2), Keough_9 (EK2), Kikiko_7 (EM2), KingKamren_9 (EK), Kosier_9 (EK2), Kudefre_114 (DU1), LilJank_113 (DU2), LilyLou_9 (EK1), Mazun_9 (EK2), MiamiPanther_9 (EK1), Moleficent_9 (EK2), Morrill_9 (EK2), Neville_111 (DU2), Oatly_9 (EK1), Octobien14_110 (DU1), Pabst_9 (EK1), Pharky_9 (EK2), Phedro_9 (EK2), Phogo_9 (EK1), Phractured_9 (EK2), PhriedRice_9 (EK2), PineapplePluto_10 (EK1), RicoCaldo_9 (EK2), Salvatore2000_9

(EK1), Sephiroth_110 (DU1), ShyRosie_9 (EK2), SoilSleuth_9 (EK2), Sorvannah_9 (EK1), StagePhright_9 (EK2), Stormbreaker_9 (EK1), SwissCheezer_9 (EK1), Syleon_115 (DU1), ThirteenKH_9 (EK2), TicTac_9 (EK1), TinyTimothy_9 (EK1), Trax_113 (DU2), TrippleS_9 (EK2), Truong_9 (EK2), Unphazed_9 (EK1), Waterlily_9 (EK2), Wesak_9 (EK1), Xitlalli_9 (EK1), Yafa_9 (EK2), YellowPanda_9 (EK1), Zhengyi_9 (EK),

Start 158:
• Found in 152 of 998 (15.2%) of genes in pham
• Manual Annotations of this start: 17 of 883
• Called 11.2% of time when present
• Phage (with cluster) where this start called: Candle_40 (R), ExplosioNervosa_58 (A9), Kumotta_57 (FB), MargaretKali_53 (FB), MissAmericana_7 (EM2), MontyDev_40 (R), Nilo_41 (R), Papyrus_40 (R), Riparian_40 (R), Rope_40 (R), Send513_40 (R), Shweta_51 (N), Stuck_65 (I2), Weiss13_40 (R), Yelo_40 (R), Zenon_41 (R), Zeta1847_35 (EH),

Start 159:
• Found in 41 of 998 (4.1%) of genes in pham
• Manual Annotations of this start: 8 of 883
• Called 19.5% of time when present
• Phage (with cluster) where this start called: Armstrong_33 (EB), Bernstein_33 (EB), Brahms_33 (EB), ChiliPepper_33 (EB), Coltrane_33 (EB), JimmyPG_9 (EK2), Rollins_33 (EB), Sharkboy_35 (EB),

Start 160:
• Found in 1 of 998 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 883
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaileyBlu_34 (FP),

Start 161:
• Found in 15 of 998 (1.5%) of genes in pham
• Manual Annotations of this start: 9 of 883
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnnabelLee_3 (FR), BaboJay_37 (E), Bogg_38 (E), CallinAllBarbz_34 (FP), CardboardBox_3 (FR), ChamoyPickle_3 (FR), ChipsNGuac_3 (FR), Eureka_38 (E), Ezurina_2 (FR), Gerri43_3 (FR), Goku_38 (E), Neuvillette_3 (FR), Pitbull_58 (FQ1), Roberts_3 (FR), Studio_2 (FR),

Start 162:
• Found in 15 of 998 (1.5%) of genes in pham
• Manual Annotations of this start: 9 of 883
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_98 (FC), Atuin_102 (FC), BooTeria_98 (FC), DunneganBoMo_97 (FC), Ellewin_96 (FC), Emmetator_100 (FC), Greely_81 (C2), KSunshine22_102 (FC), LeoJr_107 (FC), Myrna_77 (C2), Panchaali_99 (FC), Phabba_83 (C2), ReginaGlobina_107 (FC), Stewart25555_99 (FC), WaddleDee_95 (FC),

Start 163:
• Found in 94 of 998 (9.4%) of genes in pham
• Manual Annotations of this start: 62 of 883

• Called 69.1% of time when present
• Phage (with cluster) where this start called: Acquire49_30 (L1), Appletree2_30 (L1), Archie_32 (L2), AvadaKedavra_30 (L1), Azrael100_52 (V), Baoshan_31 (L2), Bazzle_32 (L2), BigCheese_32 (L2), BobsGarage_32 (L2), Breezona_32 (L2), Bromden_32 (L4), Calm_30 (L1), Chaser_30 (L4), ChutneyChips_31 (L4), CicholasNage_30 (L1), Cosmo_53 (V), Crossroads_32 (L2), Douge_30 (L4), DrSeegs_32 (L2), DuncansLeg_31 (L3), DyoEdafos_31 (L4), Ellson_31 (L3), Enceladus_30 (L1), EniyanLRS_50 (V), Faith1_32 (L2), Finemlucis_32 (L2), Gabriela_32 (L2), Gardann_32 (L2), GuuelaD_32 (L2), Halena_30 (L1), Itos_32 (L2), JoeDirt_30 (L1), Kropertea_30 (L4), Krypton555_31 (L3), LeBron_30 (L1), LilDestine_32 (L2), LiyuLake_31 (L3), Loadrie_32 (L2), Lolly9_31 (L3), MAckerman_30 (L1), MaryV_53 (V), Miley16_32 (L2), MiniLon_31 (L3), MiniMac_31 (L3), MkaliMitinis3_32 (L2), Netyap_32 (L2), Nicholasp3_32 (L2), OhShagHennessy_30 (L1), OverPar_32 (L2), Poochiewood_30 (L1), Rose5_30 (L1), Silverleaf_30 (L1), Tourach_32 (L2), UPIE_30 (L1), Underpass_32 (L2), Vetrix_32 (L2), Wamburgrxpress_30 (L1), Whirlwind_32 (L3), Wigglewiggle_32 (L2), Wildcat_53 (V), Wilder_32 (L2), Winky_32 (L2), Wyatt2_30 (L1), Zakai_32 (L2), Zaria_30 (L1),

Start 164:
• Found in 198 of 998 (19.8%) of genes in pham
• Manual Annotations of this start: 174 of 883
• Called 98.0% of time when present
• Phage (with cluster) where this start called: 244_39 (E), ABCat_36 (E), AddiRose_51 (JA), Adnama_40 (E), Agamotto_5 (FR), Aikoy_52 (AE), AinMach_35 (AZ7), Amao_37 (E), AmericanBeauty_39 (E), Argent26_39 (E), Asriel_36 (E), Audell_6 (FR), BAKA_56 (J), BadStone_36 (E), Bagrid_51 (J), Balomoji_36 (E), Barbarian_36 (E), Bask21_37 (E), Becksu_37 (E), Beem_52 (J), Bench_39 (E), BigBubba_38 (E), BilboSwaggins_37 (E), Bobby_51 (J), Bombitas_49 (J), Brewer_37 (E), Bruin_37 (E), Buck_36 (E), Budgie_39 (E), BugsBunny_35 (E), Cactus_38 (E), ChosenOne_37 (E), ChotaBhai_37 (E), Cjw1_37 (E), Command613_38 (E), Constella_44 (J), Contagion_36 (E), Cookies_37 (E), CrystalP_37 (E), Czyszczon1_38 (E), Daddyjeff_52 (JA), Daikon_36 (E), Dallas_54 (J), DmpstrDiver_53 (J), DoctorDiddles_37 (E), Dove_49 (J), DrDrey_38 (E), Duke13_55 (J), Dumbo_37 (E), Dusk_36 (E), Easy2Say_39 (E), Eevee_51 (JA), Ejimix_52 (J), Elite2014_36 (E), Elph10_38 (E), Emmina_38 (E), EricMillard_52 (J), FairyPath_37 (E), Filch_38 (E), FireRed_37 (E), Flypotenuse_35 (E), FoghornLeghorn_36 (E), Footloose_59 (singleton), GMA4_22 (singleton), Gage_39 (E), Gator_35 (E), Gemini_40 (E), Glexan_35 (E), GoldenSpark_39 (E), Goldilocks_38 (E), GooberAzure_39 (E), Greep_38 (E), Halley_52 (J), HanKaySha_38 (E), Hannaconda_48 (J), Harella_36 (E), Henry_38 (E), Highbury_38 (E), HokkenD_45 (J), Holt_38 (E), Hoonter_39 (E), Hopey_39 (E), HufflyPuff_36 (E), Hughesyang_50 (J), Icee_36 (E), Inca_36 (E), Indlulamithi_37 (AC), JeTaime_39 (E), JoyLin_51 (JA), JuicyJay_54 (J), Kalah2_52 (J), Kanye_39 (E), KashFlow_45 (J), Kimchi_39 (E), Klein_52 (J), Kostya_38 (E), Leopard_52 (AE), Lilac_39 (E), Lilizi_39 (E), Lilpickle_36 (E), Livelaughbron_38 (E), MISSy_36 (E), MPhalcon_36 (E), MadamMonkfish_37 (E), Manda_38 (E), Marshmallow_37 (E), Maxxinista_38 (E), Mbo4_60 (singleton), Michkear_34 (AZ), Mindy_37 (E), Minerva_58 (J), Miniwave_37 (E), Misfit_37 (E), Mistmere_28 (ED3), Moldemort_38 (E), MollyToe_37 (E), Mosby_36 (E), Murica_36 (E), Murphy_38 (E), Myrale_37 (E), Nala_37 (E), NelitzaMV_37 (E), Nibley_46 (J), NihilNomen_51 (J), Nimrod_37 (E), NoSleep_38 (E), NonchalantPear_37 (E), Odette_52 (J), Onyinye_53 (AE), Optimus_57 (J), OrionPax_38 (E), PaddyBaddy_38 (E), Palpatine_37 (E), Paperbeatsrock_39 (E), Pat3_36 (E), Petra64142_39 (E), Pharsalus_38 (E), PhatBacter_37 (E), Phaux_36 (E), Phoebus_51 (J), Phrux_37 (E),

Pippin15_52 (JA), Policronamos_37 (E), Porky_37 (E), Pound_54 (J), Ptowny_38 (E), Pumpkin_39 (E), Quallification_38 (E), Rakim_38 (E), Rearden_46 (J), Redno2_50 (J), Rimmer_36 (E), RiverMonster_37 (E), Saints25_38 (E), Sassay_36 (E), Schatzie_49 (J), Serenabean_52 (JA), ShamWow_37 (E), Simpliphy_38 (E), SirDuracell_36 (E), SophKB_37 (E), Sotrice96_37 (E), Stank_40 (E), Stark_38 (E), StellaBean_37 (E), StolenFromERC_39 (E), StormChicken_37 (E), Sweetclover_51 (JA), TBrady12_39 (E), Tarkin_39 (E), TeamEdward_37 (E), TeardropMSU_36 (E), Teaspoon_38 (E), Terminus_37 (E), Thimble_37 (E), ThreeRngTarjay_50 (J), Thresher_38 (E), Tomaszewski_36 (E), Toto_37 (E), Traaww1_35 (E), TripleC_6 (FR), Tuco_38 (E), Ukulele_37 (E), Wanda_58 (J), Wiggin_40 (E), Willez_36 (E), Xandras_39 (E), Xiaokay_47 (J), YassJohnny_38 (E), Yeet_50 (J), Yotsuba_51 (JA), Youngblood_37 (E), Zelink_53 (J), xkcd_38 (E),

Start 165:
• Found in 85 of 998 (8.5%) of genes in pham
• Manual Annotations of this start: 73 of 883
• Called 95.3% of time when present
• Phage (with cluster) where this start called: ASegato_34 (ED2), Alleb_29 (ED1), Amelie_55 (K1), Anaya_69 (K1), Anma_67 (K1), Biglebops_55 (K1), Bryler_70 (K6), Cain_70 (K6), Casablancas_36 (ED2), Chavito_69 (K1), Chris_69 (K1), CrimD_68 (K1), Curiosium_70 (K1), DejaVu_31 (ED1), Deschain_35 (ED2), DrHayes_67 (K1), DustyDino_38 (ED2), Enkosi_57 (K1), Erenyeager_35 (ED2), Fork_31 (ED2), HollowPurple_36 (ED2), Hortus1_28 (ED1), Hubbs_30 (ED1), Hurricane_68 (K3), Issa7_34 (ED2), Jacko_31 (ED1), KiSi_71 (K1), LeMond_70 (K1), Lea83_68 (K3), LilPharaoh_56 (K1), LindNT_66 (K1), Lupine_29 (ED1), Lyell_35 (ED2), MacnCheese_70 (K3), MarkPhew_69 (K1), Mdavu_56 (K1), Megsy_69 (K1), Musetta_35 (ED2), Necrophoxinus_37 (ED2), Nibb_69 (K1), Nikao_58 (K1), November_64 (K6), Nutello_55 (K1), OlinDD_28 (ED1), Oscar_70 (K1), Pavlo_29 (ED1), Phrank_70 (K6), Pioneer3_28 (ED1), Pixie_67 (K3), Platte_28 (ED1), Prithvi_68 (K1), Roman_30 (ED1), RunningBrook_36 (ED2), SamuelLPlaqson_67 (K1), Saradis_31 (ED1), Scarlett_71 (K1), SgtBeansprout_56 (K1), Shadow1_71 (K6), Shroomer_39 (ED2), Solimine_31 (ED1), SteakFry_37 (ED2), StevieWelch_35 (ED2), Sunflower1121_72 (K6), Syra333_70 (K6), TBond007_64 (K3), TaiwanKao_69 (K1), Tandem_28 (ED1), Teejan_57 (K1), Tigress9_71 (K6), TiniBug_67 (K1), Tiri_67 (K1), Torres_58 (K1), TreyKay_68 (K1), Trice_55 (K1), Urkel_67 (K1), Uterion_33 (ED1), Welcome_36 (ED2), Wolfstar_31 (ED), Ximenita_72 (K6), Yuma_34 (ED2), Yuna_71 (K6),

Start 166:
• Found in 9 of 998 (0.9%) of genes in pham
• Manual Annotations of this start: 9 of 883
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Banquo_62 (CU1), Dardanus_57 (CU3), DinoDaryn_63 (CU1), Goib_64 (CU1), Huffy_63 (CU1), Splinter_63 (CU1), TZGordon_64 (CU1), TinaLin_62 (CU1), Vendetta_63 (CU1),

Start 167:
• Found in 32 of 998 (3.2%) of genes in pham
• Manual Annotations of this start: 26 of 883
• Called 90.6% of time when present
• Phage (with cluster) where this start called: A3Wally_218 (GD1), Altostratus_60 (FS), Big4_204 (GD2), Cece_195 (GD3), Crewmate_37 (AZ1), DS6A_74 (singleton), Dodo_214 (GD1), Elfy_29 (FP), Erasmago_208 (GD2), Exile_31 (AZ6), GrimEater_30

(FP), Jankie_31 (FP), Khuang_61 (FS), Lego_33 (AZ1), LisoBros_35 (FP), Mudpuppy_32 (AZ1), ObiToo_36 (AZ1), Orkz_49 (FL), PauloDiaboli_218 (GD1), Powerpuff_35 (AZ1), Pumpernickel_201 (GD4), ScoobyDoobyDoo_73 (C2), Soondubu_31 (AZ6), TMaxx_3 (FR), VResidence_33 (AZ1), YesChef_33 (AZ1), Zooman_18 (GD2), Zooman_185 (GD2), Zooman_331 (GD2),

Start 168:
• Found in 89 of 998 (8.9%) of genes in pham
• Manual Annotations of this start: 77 of 883
• Called 91.0% of time when present
• Phage (with cluster) where this start called: Abigail_35 (EB), Akino08_37 (EB), Albedo_36 (EB), Albright_34 (EB), AnnaLie_37 (EB), Arroyo_37 (EB), AvGardian_38 (EB), Avocadoman_35 (EB), AylexOG_38 (EB), BabyDaisy_35 (EB), BabyYoda_37 (EB), Bachaco_34 (EB), BelmontSKP_37 (EB), Bengal_37 (EB), BubbaBear_35 (EB), Burritobowl_36 (EB), CanFranMach_36 (EB), Cashington_34 (EB), Celaena_34 (EB), Clayda5_34 (EB), CliffHanger_37 (EB), CroZenni_36 (EB), CupcakePrincess_37 (EB), DickRichards_35 (EB), Didgeridoo_38 (EB), DirtyBubble_36 (EB), Dismas_34 (EB), Doobus_35 (EB), Eden_34 (EB), Elva_38 (EB), Eula_37 (EB), Finalfrontier_36 (EB), FlameThrower_34 (EB), Franklin22_35 (EB), Gack_33 (EB), Grist_35 (EB), Icarian_39 (EB), IndyLu_35 (EB), Jabb_37 (EB), Johnathan_35 (EB), Jovita_37 (EB), Kamdara_34 (EB), Kate33_36 (EB), Katzastrophic_35 (EB), Kenzers_36 (EB), Kieran_34 (EB), Lahqtemish_35 (EB), Lilo27_37 (EB), LimaBean_35 (EB), Loviatar_37 (EB), Lynlen_36 (EB), Milomuff_36 (EB), MsUbiquitous_37 (EB), Nicky22_37 (EB), Olliecat_33 (EB), PastaFagioli_35 (EB), Pecas_36 (EB), PhigPhack_37 (EB), Phisb_37 (EB), PondAmelia_38 (EB), QMacho_38 (EB), Quenya_35 (EB), Rona_34 (EB), SanaSana_39 (EB), SansAfet_37 (EB), SarBear_36 (EB), Shayna_36 (EB), SirBeanington_36 (EB), Skylord_33 (EB), Slay_37 (EB), Softsoap_36 (EB), Solea_37 (EB), Squircle_33 (EB), Stoor_37 (EB), Stromboli_37 (EB), SunnyD_36 (EB), Swervy_37 (EB), Teagster_37 (EB), TukTuk_37 (EB), Vitas_33 (EB), WalkingDead_38 (EB),

Start 169:
• Found in 108 of 998 (10.8%) of genes in pham
• Manual Annotations of this start: 17 of 883
• Called 17.6% of time when present
• Phage (with cluster) where this start called: A3Wally_20 (GD1), A3Wally_373 (GD1), BAjuniper_35 (EB), BarnCat_46 (GB), Big4_20 (GD2), Big4_346 (GD2), Bluvara_58 (I3), Cassita_54 (GB), Catfish_63 (CU5), Dodo_21 (GD1), Dodo_367 (GD1), Gsput1_55 (CU2), LeeroyJenkins_54 (GB), Lifes_48 (GB), PauloDiaboli_20 (GD1), PauloDiaboli_375 (GD1), Schmidt_57 (CU4), Stellammi_36 (UNK), WaterT_52 (GB),

Start 170:
• Found in 6 of 998 (0.6%) of genes in pham
• Manual Annotations of this start: 6 of 883
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_117 (DP), Guey18_121 (DP), Keelan_118 (DP), Ronaldo_118 (DP), Volt_121 (DP), Ziko_119 (DP),

Start 172:
• Found in 142 of 998 (14.2%) of genes in pham
• Manual Annotations of this start: 11 of 883
• Called 9.9% of time when present

• Phage (with cluster) where this start called: Ariel_51 (J), Courthouse_51 (J), Hidrated_50 (J), LittleE_56 (J), Lucky2013_51 (J), MiaZeal_51 (J), Mkhuseli_58 (A1), Nekros_50 (J), Omega_56 (J), Porcelain_50 (J), Red305_31 (L3), Superphikiman_51 (J), Thibault_45 (J), Thonko_81 (B8),

Start 177:
• Found in 78 of 998 (7.8%) of genes in pham
• No Manual Annotations of this start.
• Called 1.3% of time when present
• Phage (with cluster) where this start called: Gimesa_41 (R),

Start 178:
• Found in 20 of 998 (2.0%) of genes in pham
• Manual Annotations of this start: 1 of 883
• Called 25.0% of time when present
• Phage (with cluster) where this start called: BronnyJames_44 (J), Gonephishing_53 (J), Marleymoo_53 (J), Shaboozey_44 (J), Squint_50 (J),

Start 180:
• Found in 95 of 998 (9.5%) of genes in pham
• Manual Annotations of this start: 8 of 883
• Called 29.5% of time when present
• Phage (with cluster) where this start called: BourbonZero_30 (L3), BrainDrainer_31 (L4), ChengKai98_32 (L2), Claus_32 (L2), DHan_32 (L2), DanBing_31 (L2), DirkDirk_30 (L1), Douzhi_30 (L4), FarmResident_30 (L4), Hafay_32 (L2), Hiraya_32 (L2), Jobypre_31 (L3), Kahlid_32 (L2), KirDoubleO7_29 (L3), Lewan_32 (L2), Lynnae_32 (L2), Molivier_32 (L2), Moostard_31 (L3), PYPDinur_30 (L4), Quby_30 (L4), Rossetti_32 (L2), Rumpelstiltskin_32 (L2), Sarshaun_32 (L2), Sheng711_30 (L4), SoJulia_33 (L2), Soap141_32 (L2), Tyson_30 (L1), ZhongYanYuan_31 (L2),

Start 186:
• Found in 152 of 998 (15.2%) of genes in pham
• Manual Annotations of this start: 3 of 883
• Called 2.0% of time when present
• Phage (with cluster) where this start called: IHOP_37 (E), Phaja_37 (E), ShereKhan_39 (E),

Summary by clusters:

There are 76 clusters represented in this pham: FP, GD1, GD2, FS, GD4, DO, DL, DD, V, FR, ED2, ED3, K1, ED1, K7, K6, CU4, GD3, AE, FL, JA, DP, A15, CU5, A16, A11, CU2, CU1, A12, I3, I2, A1, A2, A13, A9, C2, CQ1, EL, AC, E, EH, EK, ED, CA, J, A17, EB, L4, R, L2, L3, L1, CU3, singleton, UNK, DU2, A20, K3, CQ2, AZ7, K4, B8, FB, AZ, DU1, N, FC, AZ6, EM2, AZ1, AZ2, FQ1, AZ4, EK2, EK1, GB,

Info for manual annotations of cluster A11:
•Start number 141 was manually annotated 28 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 141 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A15:
•Start number 150 was manually annotated 1 time for cluster A15.
•Start number 152 was manually annotated 22 times for cluster A15.
•Start number 153 was manually annotated 1 time for cluster A15.

Info for manual annotations of cluster A16:
•Start number 141 was manually annotated 2 times for cluster A16.
•Start number 153 was manually annotated 1 time for cluster A16.

Info for manual annotations of cluster A2:
•Start number 121 was manually annotated 12 times for cluster A2.
•Start number 141 was manually annotated 56 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 141 was manually annotated 2 times for cluster A20.

Info for manual annotations of cluster A9:
•Start number 141 was manually annotated 45 times for cluster A9.
•Start number 158 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AC:
•Start number 164 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster AE:
•Start number 164 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster AZ:
•Start number 135 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:
•Start number 144 was manually annotated 1 time for cluster AZ1.
•Start number 145 was manually annotated 5 times for cluster AZ1.
•Start number 148 was manually annotated 16 times for cluster AZ1.
•Start number 167 was manually annotated 7 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 137 was manually annotated 1 time for cluster AZ2.

Info for manual annotations of cluster AZ4:
•Start number 154 was manually annotated 8 times for cluster AZ4.

Info for manual annotations of cluster AZ6:
•Start number 167 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster B8:
•Start number 172 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster C2:
•Start number 162 was manually annotated 2 times for cluster C2.
•Start number 167 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster CA:
•Start number 153 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CQ1:
•Start number 149 was manually annotated 9 times for cluster CQ1.
•Start number 150 was manually annotated 6 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 141 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CU1:
•Start number 166 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 166 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 169 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 169 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster DD:
•Start number 149 was manually annotated 3 times for cluster DD.

Info for manual annotations of cluster DL:
•Start number 140 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DO:
•Start number 151 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster DP:
•Start number 170 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DU1:
•Start number 157 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 134 was manually annotated 1 time for cluster DU2.
•Start number 157 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster E:
•Start number 161 was manually annotated 3 times for cluster E.
•Start number 164 was manually annotated 128 times for cluster E.
•Start number 186 was manually annotated 3 times for cluster E.

Info for manual annotations of cluster EB:
•Start number 136 was manually annotated 1 time for cluster EB.
•Start number 159 was manually annotated 7 times for cluster EB.
•Start number 168 was manually annotated 77 times for cluster EB.
•Start number 169 was manually annotated 1 time for cluster EB.

Info for manual annotations of cluster ED:
•Start number 165 was manually annotated 1 time for cluster ED.

Info for manual annotations of cluster ED1:
•Start number 133 was manually annotated 1 time for cluster ED1.
•Start number 165 was manually annotated 13 times for cluster ED1.

Info for manual annotations of cluster ED2:
•Start number 165 was manually annotated 15 times for cluster ED2.

Info for manual annotations of cluster EH:
•Start number 123 was manually annotated 1 time for cluster EH.
•Start number 143 was manually annotated 1 time for cluster EH.
•Start number 145 was manually annotated 11 times for cluster EH.
•Start number 155 was manually annotated 1 time for cluster EH.
•Start number 158 was manually annotated 1 time for cluster EH.

Info for manual annotations of cluster EK:
•Start number 157 was manually annotated 3 times for cluster EK.

Info for manual annotations of cluster EK1:
•Start number 157 was manually annotated 24 times for cluster EK1.

Info for manual annotations of cluster EK2:
•Start number 157 was manually annotated 22 times for cluster EK2.
•Start number 159 was manually annotated 1 time for cluster EK2.

Info for manual annotations of cluster EL:
•Start number 156 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster EM2:
•Start number 158 was manually annotated 1 time for cluster EM2.

Info for manual annotations of cluster FB:
•Start number 158 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FC:
•Start number 162 was manually annotated 7 times for cluster FC.

Info for manual annotations of cluster FL:
•Start number 138 was manually annotated 2 times for cluster FL.
•Start number 150 was manually annotated 7 times for cluster FL.

Info for manual annotations of cluster FP:
•Start number 160 was manually annotated 1 time for cluster FP.
•Start number 161 was manually annotated 1 time for cluster FP.
•Start number 167 was manually annotated 4 times for cluster FP.

Info for manual annotations of cluster FQ1:
•Start number 161 was manually annotated 1 time for cluster FQ1.

Info for manual annotations of cluster FR:

•Start number 156 was manually annotated 3 times for cluster FR.
•Start number 161 was manually annotated 4 times for cluster FR.
•Start number 164 was manually annotated 3 times for cluster FR.
•Start number 167 was manually annotated 1 time for cluster FR.

Info for manual annotations of cluster FS:
•Start number 167 was manually annotated 2 times for cluster FS.

Info for manual annotations of cluster GB:
•Start number 169 was manually annotated 5 times for cluster GB.

Info for manual annotations of cluster GD1:
•Start number 167 was manually annotated 3 times for cluster GD1.
•Start number 169 was manually annotated 6 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 167 was manually annotated 4 times for cluster GD2.
•Start number 169 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 167 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:
•Start number 167 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster I2:
•Start number 158 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster J:
•Start number 164 was manually annotated 30 times for cluster J.
•Start number 172 was manually annotated 10 times for cluster J.
•Start number 178 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster JA:
•Start number 164 was manually annotated 8 times for cluster JA.

Info for manual annotations of cluster K1:
•Start number 165 was manually annotated 29 times for cluster K1.

Info for manual annotations of cluster K3:
•Start number 107 was manually annotated 1 time for cluster K3.
•Start number 165 was manually annotated 5 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 154 was manually annotated 5 times for cluster K4.

Info for manual annotations of cluster K6:
•Start number 104 was manually annotated 2 times for cluster K6.
•Start number 165 was manually annotated 10 times for cluster K6.

Info for manual annotations of cluster K7:
•Start number 154 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster L1:
•Start number 163 was manually annotated 17 times for cluster L1.
•Start number 180 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 163 was manually annotated 28 times for cluster L2.
•Start number 180 was manually annotated 4 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 163 was manually annotated 6 times for cluster L3.
•Start number 180 was manually annotated 2 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 163 was manually annotated 6 times for cluster L4.

Info for manual annotations of cluster N:
•Start number 158 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster R:
•Start number 158 was manually annotated 10 times for cluster R.

Info for manual annotations of cluster UNK:
•Start number 169 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster V:
•Start number 163 was manually annotated 5 times for cluster V.

Gene Information:

Gene: 244_39 Start: 33415, Stop: 33660, Start Num: 164
Candidate Starts for 244_39:
(Start: 164 @33415 has 174 MA's), (Start: 186 @33472 has 3 MA's), (199, 33505), (201, 33511), (231, 33565), (240, 33577),

Gene: 40AC_59 Start: 39531, Stop: 39259, Start Num: 141
Candidate Starts for 40AC_59:
(Start: 141 @39531 has 140 MA's), (Start: 169 @39510 has 17 MA's), (Start: 172 @39504 has 11 MA's), (205, 39417), (220, 39381), (240, 39351),

Gene: A3Wally_218 Start: 118317, Stop: 118063, Start Num: 167
Candidate Starts for A3Wally_218:
(Start: 167 @118317 has 26 MA's), (213, 118203), (229, 118176), (257, 118131),

Gene: A3Wally_20 Start: 7196, Stop: 7426, Start Num: 169
Candidate Starts for A3Wally_20:
(Start: 169 @7196 has 17 MA's), (189, 7268), (265, 7415),

Gene: A3Wally_373 Start: 186417, Stop: 186647, Start Num: 169
Candidate Starts for A3Wally_373:
(Start: 169 @186417 has 17 MA's), (189, 186489), (265, 186636),

Gene: ABCat_36 Start: 33127, Stop: 33372, Start Num: 164
Candidate Starts for ABCat_36:
(Start: 164 @33127 has 174 MA's), (Start: 186 @33184 has 3 MA's), (199, 33217), (201, 33223), (231, 33277), (240, 33289),

Gene: AEgle_32 Start: 24443, Stop: 24685, Start Num: 145
Candidate Starts for AEgle_32:
(Start: 145 @24443 has 16 MA's),

Gene: AGrandiflora_34 Start: 24670, Stop: 24936, Start Num: 148
Candidate Starts for AGrandiflora_34:
(38, 24412), (47, 24448), (Start: 148 @24670 has 16 MA's), (236, 24853),

Gene: AN9_61 Start: 38705, Stop: 38394, Start Num: 121
Candidate Starts for AN9_61:
(Start: 121 @38705 has 12 MA's), (Start: 141 @38666 has 140 MA's), (Start: 158 @38657 has 17 MA's), (198, 38564), (220, 38516), (240, 38486),

Gene: ANI8_61 Start: 38705, Stop: 38394, Start Num: 121
Candidate Starts for ANI8_61:
(Start: 121 @38705 has 12 MA's), (Start: 141 @38666 has 140 MA's), (Start: 158 @38657 has 17 MA's), (198, 38564), (220, 38516), (240, 38486),

Gene: ASegato_34 Start: 9990, Stop: 10244, Start Num: 165
Candidate Starts for ASegato_34:
(146, 9975), (Start: 165 @9990 has 73 MA's), (181, 10035), (201, 10086), (210, 10104), (219, 10122), (225, 10134),

Gene: AbbyPaige_60 Start: 38775, Stop: 38503, Start Num: 141
Candidate Starts for AbbyPaige_60:
(Start: 141 @38775 has 140 MA's), (Start: 158 @38766 has 17 MA's), (Start: 169 @38754 has 17 MA's), (Start: 172 @38748 has 11 MA's),

Gene: Abigail_35 Start: 24992, Stop: 25222, Start Num: 168
Candidate Starts for Abigail_35:
(Start: 168 @24992 has 77 MA's),

Gene: Abscondus_124 Start: 70975, Stop: 71268, Start Num: 149
Candidate Starts for Abscondus_124:
(Start: 149 @70975 has 12 MA's), (177, 71023), (235, 71152),

Gene: AceofSpades_40 Start: 26694, Stop: 27029, Start Num: 154
Candidate Starts for AceofSpades_40:
(63, 26532), (Start: 154 @26694 has 15 MA's),

Gene: Acolyte_53 Start: 37597, Stop: 37325, Start Num: 141
Candidate Starts for Acolyte_53:
(Start: 141 @37597 has 140 MA's), (Start: 158 @37588 has 17 MA's), (Start: 169 @37576 has 17 MA's), (Start: 172 @37570 has 11 MA's), (183, 37534), (199, 37492), (220, 37447),

Gene: Acquire49_30 Start: 27690, Stop: 27959, Start Num: 163
Candidate Starts for Acquire49_30:

(Start: 163 @27690 has 62 MA's), (Start: 180 @27735 has 8 MA's), (235, 27843),

Gene: AddiRose_51 Start: 34005, Stop: 34238, Start Num: 164
Candidate Starts for AddiRose_51:
(Start: 164 @34005 has 174 MA's), (217, 34140),

Gene: Adnama_40 Start: 33642, Stop: 33887, Start Num: 164
Candidate Starts for Adnama_40:
(Start: 164 @33642 has 174 MA's), (Start: 186 @33699 has 3 MA's), (199, 33732), (201, 33738), (231, 33792), (240, 33804),

Gene: Adolin_32 Start: 23104, Stop: 23349, Start Num: 145
Candidate Starts for Adolin_32:
(24, 22735), (38, 22849), (47, 22885), (Start: 145 @23104 has 16 MA's),

Gene: Adumb2043_32 Start: 24438, Stop: 24704, Start Num: 145
Candidate Starts for Adumb2043_32:
(13, 23982), (38, 24183), (47, 24219), (Start: 145 @24438 has 16 MA's), (236, 24621),

Gene: Adzzy_59 Start: 37247, Stop: 36975, Start Num: 121
Candidate Starts for Adzzy_59:
(Start: 121 @37247 has 12 MA's), (183, 37184), (201, 37136), (220, 37097), (229, 37085), (240, 37067),

Gene: Agamotto_5 Start: 4114, Stop: 4374, Start Num: 164
Candidate Starts for Agamotto_5:
(Start: 164 @4114 has 174 MA's), (Start: 167 @4117 has 26 MA's),

Gene: Agape74_60 Start: 38769, Stop: 38497, Start Num: 141
Candidate Starts for Agape74_60:
(Start: 141 @38769 has 140 MA's), (Start: 158 @38760 has 17 MA's), (Start: 169 @38748 has 17 MA's), (Start: 172 @38742 has 11 MA's), (220, 38619),

Gene: Aikoy_52 Start: 39434, Stop: 39189, Start Num: 164
Candidate Starts for Aikoy_52:
(Start: 164 @39434 has 174 MA's), (187, 39374), (198, 39347), (217, 39308), (231, 39284), (235, 39278), (240, 39272), (251, 39248),

Gene: AinMach_35 Start: 25558, Stop: 25839, Start Num: 164
Candidate Starts for AinMach_35:
(67, 25390), (Start: 145 @25534 has 16 MA's), (Start: 164 @25558 has 174 MA's), (237, 25723),

Gene: AirForce1_46 Start: 33134, Stop: 33424, Start Num: 150
Candidate Starts for AirForce1_46:
(87, 33035), (Start: 150 @33134 has 14 MA's), (177, 33185), (183, 33200), (244, 33302), (253, 33314),

Gene: Akino08_37 Start: 27416, Stop: 27649, Start Num: 168
Candidate Starts for Akino08_37:
(82, 27287), (84, 27290), (92, 27308), (99, 27320), (101, 27323), (109, 27332), (Start: 159 @27407 has 8 MA's), (Start: 168 @27416 has 77 MA's), (181, 27458),

Gene: Akoni_9 Start: 6089, Stop: 5751, Start Num: 157
Candidate Starts for Akoni_9:

(85, 6161), (Start: 157 @6089 has 56 MA's), (177, 6050), (201, 5978), (220, 5939), (243, 5897), (291, 5798),

Gene: Alatin_45 Start: 34365, Stop: 34069, Start Num: 153
Candidate Starts for Alatin_45:
(Start: 153 @34365 has 38 MA's), (Start: 169 @34347 has 17 MA's), (Start: 172 @34341 has 11 MA's), (217, 34224), (236, 34191), (241, 34185), (274, 34125), (289, 34077),

Gene: Albedo_36 Start: 25530, Stop: 25772, Start Num: 168
Candidate Starts for Albedo_36:
(Start: 168 @25530 has 77 MA's), (276, 25764),

Gene: Albright_34 Start: 24694, Stop: 24924, Start Num: 168
Candidate Starts for Albright_34:
(Start: 168 @24694 has 77 MA's),

Gene: Alex44_9 Start: 6356, Stop: 6036, Start Num: 157
Candidate Starts for Alex44_9:
(81, 6476), (96, 6446), (Start: 157 @6356 has 56 MA's), (181, 6305), (187, 6290), (206, 6242), (279, 6101),

Gene: Aliter_58 Start: 38153, Stop: 37881, Start Num: 141
Candidate Starts for Aliter_58:
(Start: 141 @38153 has 140 MA's), (Start: 158 @38144 has 17 MA's), (184, 38087), (198, 38051), (216, 38012), (231, 37985), (240, 37973),

Gene: Alleb_29 Start: 9182, Stop: 9436, Start Num: 165
Candidate Starts for Alleb_29:
(129, 9134), (Start: 149 @9167 has 12 MA's), (Start: 165 @9182 has 73 MA's), (181, 9227), (196, 9263), (240, 9350),

Gene: Alma_58 Start: 38528, Stop: 38256, Start Num: 141
Candidate Starts for Alma_58:
(Start: 141 @38528 has 140 MA's), (Start: 158 @38519 has 17 MA's), (184, 38462), (198, 38426), (216, 38387), (231, 38360), (240, 38348),

Gene: AloeVera_9 Start: 6089, Stop: 5751, Start Num: 157
Candidate Starts for AloeVera_9:
(85, 6161), (Start: 157 @6089 has 56 MA's), (201, 5978), (220, 5939), (291, 5798),

Gene: Alpacados_45 Start: 34270, Stop: 33974, Start Num: 153
Candidate Starts for Alpacados_45:
(Start: 153 @34270 has 38 MA's), (Start: 169 @34252 has 17 MA's), (Start: 172 @34246 has 11 MA's), (217, 34129), (236, 34096), (241, 34090), (274, 34030), (289, 33982),

Gene: Altostratus_60 Start: 35532, Stop: 35810, Start Num: 167
Candidate Starts for Altostratus_60:
(Start: 167 @35532 has 26 MA's), (181, 35577), (194, 35622), (233, 35697),

Gene: Amao_37 Start: 32339, Stop: 32584, Start Num: 164
Candidate Starts for Amao_37:
(Start: 164 @32339 has 174 MA's), (Start: 186 @32396 has 3 MA's), (199, 32429), (201, 32435), (229, 32483), (231, 32489), (240, 32501),

Gene: Amelie_55 Start: 40941, Stop: 41186, Start Num: 165
Candidate Starts for Amelie_55:
(Start: 104 @40869 has 2 MA's), (Start: 165 @40941 has 73 MA's), (214, 41046), (241, 41088), (259, 41124),

Gene: AmericanBeauty_39 Start: 33122, Stop: 33367, Start Num: 164
Candidate Starts for AmericanBeauty_39:
(Start: 164 @33122 has 174 MA's), (Start: 186 @33179 has 3 MA's), (199, 33212), (201, 33218), (231, 33272), (240, 33284),

Gene: Amgine_65 Start: 44496, Stop: 44807, Start Num: 104
Candidate Starts for Amgine_65:
(Start: 104 @44496 has 2 MA's), (Start: 165 @44565 has 73 MA's), (Start: 172 @44574 has 11 MA's), (187, 44625), (209, 44655), (259, 44751), (270, 44775),

Gene: Aminay_66 Start: 43144, Stop: 43401, Start Num: 154
Candidate Starts for Aminay_66:
(Start: 154 @43144 has 15 MA's), (177, 43189), (253, 43321), (264, 43339), (285, 43393),

Gene: Amploria_32 Start: 24442, Stop: 24684, Start Num: 145
Candidate Starts for Amploria_32:
(Start: 145 @24442 has 16 MA's),

Gene: Anaya_69 Start: 44458, Stop: 44700, Start Num: 165
Candidate Starts for Anaya_69:
(102, 44380), (Start: 165 @44458 has 73 MA's), (209, 44548), (259, 44644), (270, 44668),

Gene: Anaysia_64 Start: 37667, Stop: 37398, Start Num: 152
Candidate Starts for Anaysia_64:
(15, 38111), (19, 38087), (26, 38009), (Start: 152 @37667 has 22 MA's), (240, 37490), (262, 37451),

Gene: Aneem_58 Start: 37786, Stop: 37514, Start Num: 141
Candidate Starts for Aneem_58:
(Start: 141 @37786 has 140 MA's), (Start: 158 @37777 has 17 MA's), (240, 37606),

Gene: AngryOrchard_44 Start: 34430, Stop: 34134, Start Num: 153
Candidate Starts for AngryOrchard_44:
(Start: 153 @34430 has 38 MA's), (Start: 169 @34412 has 17 MA's), (Start: 172 @34406 has 11 MA's), (217, 34289), (236, 34256), (241, 34250), (274, 34190), (289, 34142),

Gene: Anma_67 Start: 44362, Stop: 44604, Start Num: 165
Candidate Starts for Anma_67:
(Start: 165 @44362 has 73 MA's), (209, 44452), (259, 44548), (270, 44572),

Gene: AnnaLie_37 Start: 25815, Stop: 26045, Start Num: 168
Candidate Starts for AnnaLie_37:
(Start: 168 @25815 has 77 MA's),

Gene: AnnabelLee_3 Start: 977, Stop: 1246, Start Num: 161
Candidate Starts for AnnabelLee_3:
(Start: 161 @977 has 9 MA's),

Gene: Anon_61 Start: 37216, Stop: 36947, Start Num: 153
Candidate Starts for Anon_61:
(Start: 153 @37216 has 38 MA's), (217, 37075), (252, 37018), (271, 36982),

Gene: Anselm_59 Start: 38676, Stop: 38404, Start Num: 141
Candidate Starts for Anselm_59:
(Start: 141 @38676 has 140 MA's), (Start: 158 @38667 has 17 MA's), (Start: 169 @38655 has 17 MA's), (Start: 172 @38649 has 11 MA's), (220, 38526), (240, 38496),

Gene: Anthony_54 Start: 36233, Stop: 35961, Start Num: 141
Candidate Starts for Anthony_54:
(Start: 141 @36233 has 140 MA's), (Start: 158 @36224 has 17 MA's), (Start: 172 @36206 has 11 MA's), (177, 36185), (240, 36053),

Gene: Aphelion_125 Start: 72038, Stop: 72331, Start Num: 149
Candidate Starts for Aphelion_125:
(Start: 149 @72038 has 12 MA's), (177, 72086), (235, 72215),

Gene: AppleCloud_43 Start: 34089, Stop: 33793, Start Num: 153
Candidate Starts for AppleCloud_43:
(Start: 153 @34089 has 38 MA's), (Start: 169 @34071 has 17 MA's), (Start: 172 @34065 has 11 MA's), (216, 33951), (217, 33948), (236, 33915), (241, 33909),

Gene: Appletree2_30 Start: 27633, Stop: 27902, Start Num: 163
Candidate Starts for Appletree2_30:
(Start: 163 @27633 has 62 MA's), (Start: 180 @27678 has 8 MA's), (235, 27786),

Gene: ArMaWen_9 Start: 6356, Stop: 6033, Start Num: 157
Candidate Starts for ArMaWen_9:
(96, 6446), (Start: 157 @6356 has 56 MA's), (181, 6305), (196, 6260), (206, 6242), (286, 6086),

Gene: Archie_32 Start: 28911, Stop: 29177, Start Num: 163
Candidate Starts for Archie_32:
(Start: 163 @28911 has 62 MA's), (Start: 180 @28956 has 8 MA's), (200, 29007), (212, 29025), (241, 29073), (279, 29145), (287, 29166),

Gene: Argent26_39 Start: 33125, Stop: 33370, Start Num: 164
Candidate Starts for Argent26_39:
(Start: 164 @33125 has 174 MA's), (Start: 186 @33182 has 3 MA's), (199, 33215), (201, 33221), (231, 33275), (240, 33287),

Gene: Ariel_51 Start: 40408, Stop: 40647, Start Num: 172
Candidate Starts for Ariel_51:
(Start: 172 @40408 has 11 MA's), (Start: 178 @40435 has 1 MA's), (199, 40489), (200, 40492), (235, 40549), (255, 40585),

Gene: Arissanae_57 Start: 38844, Stop: 38572, Start Num: 141
Candidate Starts for Arissanae_57:
(Start: 141 @38844 has 140 MA's), (Start: 158 @38835 has 17 MA's), (183, 38781), (198, 38742), (220, 38694),

Gene: Armstrong_33 Start: 23408, Stop: 23647, Start Num: 159
Candidate Starts for Armstrong_33:

(45, 23165), (53, 23195), (Start: 159 @23408 has 8 MA's), (Start: 168 @23417 has 77 MA's), (199, 23504), (261, 23609), (276, 23639),

Gene: Arroyo_37 Start: 25853, Stop: 26083, Start Num: 168
Candidate Starts for Arroyo_37:
(Start: 168 @25853 has 77 MA's),

Gene: Artu_98 Start: 83547, Stop: 83807, Start Num: 162
Candidate Starts for Artu_98:
(Start: 162 @83547 has 9 MA's), (254, 83736), (268, 83766), (270, 83769),

Gene: Ascela_34 Start: 24798, Stop: 25064, Start Num: 148
Candidate Starts for Ascela_34:
(Start: 148 @24798 has 16 MA's), (236, 24981),

Gene: Ashton_9 Start: 6093, Stop: 5755, Start Num: 157
Candidate Starts for Ashton_9:
(85, 6165), (Start: 157 @6093 has 56 MA's), (177, 6054), (201, 5982), (220, 5943), (243, 5901), (291, 5802),

Gene: Asriel_36 Start: 31996, Stop: 32241, Start Num: 164
Candidate Starts for Asriel_36:
(Start: 164 @31996 has 174 MA's), (Start: 186 @32053 has 3 MA's), (199, 32086), (201, 32092), (231, 32146), (240, 32158),

Gene: Astartes_9 Start: 6131, Stop: 5775, Start Num: 157
Candidate Starts for Astartes_9:
(Start: 157 @6131 has 56 MA's), (177, 6092), (183, 6077), (220, 5981), (277, 5873), (280, 5864), (290, 5825),

Gene: Atraxi_9 Start: 6096, Stop: 5740, Start Num: 157
Candidate Starts for Atraxi_9:
(Start: 157 @6096 has 56 MA's), (177, 6057), (183, 6042), (280, 5829), (290, 5790),

Gene: Atuin_102 Start: 87057, Stop: 87320, Start Num: 162
Candidate Starts for Atuin_102:
(Start: 162 @87057 has 9 MA's), (254, 87246),

Gene: Audell_6 Start: 4387, Stop: 4647, Start Num: 164
Candidate Starts for Audell_6:
(Start: 164 @4387 has 174 MA's), (195, 4477), (229, 4534),

Gene: AvGardian_38 Start: 25976, Stop: 26215, Start Num: 168
Candidate Starts for AvGardian_38:
(109, 25892), (Start: 159 @25967 has 8 MA's), (Start: 168 @25976 has 77 MA's), (199, 26063),

Gene: AvadaKedavra_30 Start: 27700, Stop: 27969, Start Num: 163
Candidate Starts for AvadaKedavra_30:
(Start: 163 @27700 has 62 MA's), (Start: 180 @27745 has 8 MA's), (235, 27853),

Gene: Avocadoman_35 Start: 24931, Stop: 25161, Start Num: 168
Candidate Starts for Avocadoman_35:
(Start: 168 @24931 has 77 MA's),

Gene: Ayanochan_57 Start: 38311, Stop: 38039, Start Num: 141
Candidate Starts for Ayanochan_57:
(Start: 141 @38311 has 140 MA's), (Start: 158 @38302 has 17 MA's), (184, 38245), (198, 38209), (216, 38170), (231, 38143), (240, 38131),

Gene: AylexOG_38 Start: 25876, Stop: 26118, Start Num: 168
Candidate Starts for AylexOG_38:
(Start: 168 @25876 has 77 MA's), (276, 26110),

Gene: Azrael100_52 Start: 39360, Stop: 39608, Start Num: 163
Candidate Starts for Azrael100_52:
(Start: 163 @39360 has 62 MA's), (191, 39441), (217, 39489), (236, 39522), (239, 39525), (240, 39528), (258, 39561), (278, 39597),

Gene: BAKA_56 Start: 44234, Stop: 44479, Start Num: 164
Candidate Starts for BAKA_56:
(Start: 164 @44234 has 174 MA's), (187, 44297), (199, 44327), (200, 44330), (236, 44390), (240, 44393), (241, 44396),

Gene: BAjuniper_35 Start: 26652, Stop: 26891, Start Num: 169
Candidate Starts for BAjuniper_35:
(Start: 169 @26652 has 17 MA's), (181, 26694), (225, 26793), (232, 26799), (242, 26814), (261, 26844),

Gene: BFK20_ORF53 Start: 41569, Stop: 41835, Start Num: 153
Candidate Starts for BFK20_ORF53:
(131, 41539), (147, 41563), (Start: 153 @41569 has 38 MA's), (183, 41629), (199, 41671), (201, 41677), (235, 41737),

Gene: BaboJay_37 Start: 33214, Stop: 33462, Start Num: 161
Candidate Starts for BaboJay_37:
(118, 33145), (120, 33148), (Start: 133 @33175 has 1 MA's), (Start: 161 @33214 has 9 MA's), (Start: 186 @33274 has 3 MA's), (199, 33307), (201, 33313), (231, 33367), (240, 33379),

Gene: BabyDaisy_35 Start: 25454, Stop: 25684, Start Num: 168
Candidate Starts for BabyDaisy_35:
(82, 25325), (84, 25328), (91, 25343), (99, 25358), (101, 25361), (109, 25370), (Start: 159 @25445 has 8 MA's), (Start: 168 @25454 has 77 MA's), (225, 25595),

Gene: BabyYoda_37 Start: 26596, Stop: 26829, Start Num: 168
Candidate Starts for BabyYoda_37:
(109, 26512), (Start: 159 @26587 has 8 MA's), (Start: 168 @26596 has 77 MA's),

Gene: Bachaco_34 Start: 26614, Stop: 26844, Start Num: 168
Candidate Starts for Bachaco_34:
(84, 26485), (87, 26494), (91, 26500), (97, 26509), (103, 26521), (Start: 107 @26527 has 1 MA's), (116, 26539), (Start: 159 @26605 has 8 MA's), (Start: 168 @26614 has 77 MA's), (199, 26701), (225, 26755), (261, 26806), (276, 26836),

Gene: Bachita_128 Start: 71997, Stop: 72287, Start Num: 150
Candidate Starts for Bachita_128:
(86, 71889), (94, 71904), (122, 71949), (Start: 150 @71997 has 14 MA's), (177, 72042), (235, 72171),

Gene: Bachome_59 Start: 37766, Stop: 37494, Start Num: 141
Candidate Starts for Bachome_59:
(Start: 141 @37766 has 140 MA's), (Start: 158 @37757 has 17 MA's), (220, 37616),

Gene: BadStone_36 Start: 33127, Stop: 33372, Start Num: 164
Candidate Starts for BadStone_36:
(Start: 164 @33127 has 174 MA's), (Start: 186 @33184 has 3 MA's), (199, 33217), (201, 33223), (229, 33271), (231, 33277), (240, 33289),

Gene: Bagrid_51 Start: 43567, Stop: 43812, Start Num: 164
Candidate Starts for Bagrid_51:
(Start: 164 @43567 has 174 MA's), (187, 43630), (199, 43660), (200, 43663), (236, 43723), (240, 43726), (241, 43729),

Gene: BaileyBlu_34 Start: 24331, Stop: 24588, Start Num: 160
Candidate Starts for BaileyBlu_34:
(61, 24157), (65, 24166), (Start: 160 @24331 has 1 MA's), (225, 24487), (255, 24529), (258, 24535),

Gene: Balomoji_36 Start: 32861, Stop: 33106, Start Num: 164
Candidate Starts for Balomoji_36:
(Start: 164 @32861 has 174 MA's), (Start: 186 @32918 has 3 MA's), (199, 32951), (201, 32957), (229, 33005), (231, 33011), (240, 33023),

Gene: Banquo_62 Start: 38905, Stop: 39129, Start Num: 166
Candidate Starts for Banquo_62:
(Start: 166 @38905 has 9 MA's), (181, 38947), (199, 38992), (202, 39001), (231, 39052), (236, 39061), (249, 39082),

Gene: Bantam_85 Start: 57381, Stop: 57115, Start Num: 140
Candidate Starts for Bantam_85:
(Start: 140 @57381 has 6 MA's), (176, 57333),

Gene: Baoshan_31 Start: 28243, Stop: 28509, Start Num: 163
Candidate Starts for Baoshan_31:
(Start: 163 @28243 has 62 MA's), (Start: 180 @28288 has 8 MA's), (200, 28339), (279, 28477), (287, 28498),

Gene: Barbarian_36 Start: 31996, Stop: 32241, Start Num: 164
Candidate Starts for Barbarian_36:
(Start: 164 @31996 has 174 MA's), (Start: 186 @32053 has 3 MA's), (199, 32086), (201, 32092), (231, 32146), (240, 32158),

Gene: BarnCat_46 Start: 30635, Stop: 30874, Start Num: 169
Candidate Starts for BarnCat_46:
(88, 30518), (98, 30536), (Start: 169 @30635 has 17 MA's), (187, 30692), (198, 30719), (201, 30728),

Gene: Barnstormer_41 Start: 26907, Stop: 27167, Start Num: 145
Candidate Starts for Barnstormer_41:
(66, 26781), (Start: 145 @26907 has 16 MA's),

Gene: Barroma_9 Start: 6089, Stop: 5751, Start Num: 157
Candidate Starts for Barroma_9:

(85, 6161), (Start: 157 @6089 has 56 MA's), (177, 6050), (201, 5978), (220, 5939), (291, 5798),

Gene: Bask21_37 Start: 32313, Stop: 32558, Start Num: 164
Candidate Starts for Bask21_37:
(Start: 164 @32313 has 174 MA's), (Start: 186 @32370 has 3 MA's), (199, 32403), (201, 32409), (231, 32463), (240, 32475),

Gene: Battleship_66 Start: 37873, Stop: 37604, Start Num: 152
Candidate Starts for Battleship_66:
(15, 38317), (26, 38215), (Start: 152 @37873 has 22 MA's), (240, 37696),

Gene: Bazzle_32 Start: 28660, Stop: 28926, Start Num: 163
Candidate Starts for Bazzle_32:
(Start: 163 @28660 has 62 MA's), (Start: 180 @28705 has 8 MA's), (200, 28756), (212, 28774), (241, 28822), (279, 28894), (287, 28915),

Gene: Becksu_37 Start: 33318, Stop: 33563, Start Num: 164
Candidate Starts for Becksu_37:
(Start: 164 @33318 has 174 MA's), (Start: 186 @33375 has 3 MA's), (199, 33408), (201, 33414), (231, 33468), (240, 33480),

Gene: Beem_52 Start: 44133, Stop: 44378, Start Num: 164
Candidate Starts for Beem_52:
(Start: 164 @44133 has 174 MA's), (187, 44196), (199, 44226), (200, 44229), (236, 44289), (240, 44292), (241, 44295),

Gene: Beemo_58 Start: 38323, Stop: 38051, Start Num: 141
Candidate Starts for Beemo_58:
(Start: 141 @38323 has 140 MA's), (Start: 158 @38314 has 17 MA's), (184, 38257), (198, 38221), (216, 38182), (231, 38155), (240, 38143),

Gene: Belenaria_46 Start: 34231, Stop: 33935, Start Num: 153
Candidate Starts for Belenaria_46:
(Start: 153 @34231 has 38 MA's), (Start: 169 @34213 has 17 MA's), (Start: 172 @34207 has 11 MA's), (217, 34090), (236, 34057), (241, 34051), (274, 33991), (289, 33943),

Gene: Bellris_58 Start: 37989, Stop: 37717, Start Num: 141
Candidate Starts for Bellris_58:
(Start: 141 @37989 has 140 MA's), (Start: 158 @37980 has 17 MA's), (184, 37923), (198, 37887), (220, 37839),

Gene: BelmontSKP_37 Start: 25815, Stop: 26045, Start Num: 168
Candidate Starts for BelmontSKP_37:
(Start: 168 @25815 has 77 MA's),

Gene: Bench_39 Start: 32995, Stop: 33240, Start Num: 164
Candidate Starts for Bench_39:
(Start: 164 @32995 has 174 MA's), (Start: 186 @33052 has 3 MA's), (199, 33085), (201, 33091), (231, 33145), (240, 33157),

Gene: Bengal_37 Start: 25443, Stop: 25673, Start Num: 168
Candidate Starts for Bengal_37:
(Start: 168 @25443 has 77 MA's),

Gene: Benvolio_55 Start: 37700, Stop: 37428, Start Num: 141
Candidate Starts for Benvolio_55:
(Start: 141 @37700 has 140 MA's), (Start: 158 @37691 has 17 MA's), (Start: 169 @37679 has 17 MA's), (Start: 172 @37673 has 11 MA's), (220, 37550),

Gene: Bernstein_33 Start: 23463, Stop: 23702, Start Num: 159
Candidate Starts for Bernstein_33:
(45, 23220), (53, 23250), (Start: 159 @23463 has 8 MA's), (Start: 168 @23472 has 77 MA's), (199, 23559), (261, 23664), (276, 23694),

Gene: Berrie_34 Start: 25682, Stop: 25942, Start Num: 148
Candidate Starts for Berrie_34:
(38, 25445), (43, 25454), (Start: 148 @25682 has 16 MA's),

Gene: Big4_346 Start: 183627, Stop: 183857, Start Num: 169
Candidate Starts for Big4_346:
(Start: 169 @183627 has 17 MA's), (189, 183699), (265, 183846),

Gene: Big4_20 Start: 8933, Stop: 9163, Start Num: 169
Candidate Starts for Big4_20:
(Start: 169 @8933 has 17 MA's), (189, 9005), (265, 9152),

Gene: Big4_204 Start: 114726, Stop: 114472, Start Num: 167
Candidate Starts for Big4_204:
(132, 114774), (Start: 167 @114726 has 26 MA's),

Gene: BigBubba_38 Start: 32898, Stop: 33143, Start Num: 164
Candidate Starts for BigBubba_38:
(Start: 164 @32898 has 174 MA's), (Start: 186 @32955 has 3 MA's), (199, 32988), (201, 32994), (229, 33042), (231, 33048), (240, 33060),

Gene: BigCheese_32 Start: 28422, Stop: 28688, Start Num: 163
Candidate Starts for BigCheese_32:
(Start: 163 @28422 has 62 MA's), (Start: 180 @28467 has 8 MA's), (200, 28518), (241, 28584), (279, 28656), (287, 28677),

Gene: Biglebops_55 Start: 40941, Stop: 41186, Start Num: 165
Candidate Starts for Biglebops_55:
(Start: 104 @40869 has 2 MA's), (Start: 165 @40941 has 73 MA's), (214, 41046), (241, 41088), (259, 41124),

Gene: BilboSwaggins_37 Start: 33135, Stop: 33380, Start Num: 164
Candidate Starts for BilboSwaggins_37:
(Start: 164 @33135 has 174 MA's), (Start: 186 @33192 has 3 MA's), (199, 33225), (201, 33231), (231, 33285), (240, 33297),

Gene: Biozilla_9 Start: 6310, Stop: 5987, Start Num: 157
Candidate Starts for Biozilla_9:
(62, 6478), (70, 6460), (83, 6427), (Start: 157 @6310 has 56 MA's), (181, 6259), (187, 6244), (206, 6196), (263, 6088), (286, 6040), (290, 6022),

Gene: Birdfeeder_9 Start: 6368, Stop: 6045, Start Num: 157

Candidate Starts for Birdfeeder_9:
(Start: 157 @6368 has 56 MA's), (181, 6317), (206, 6254), (286, 6098),

Gene: BlackJade_54 Start: 34939, Stop: 35229, Start Num: 150
Candidate Starts for BlackJade_54:
(Start: 150 @34939 has 14 MA's), (173, 34969), (177, 34990), (183, 35005), (201, 35053), (234, 35089), (244, 35107), (258, 35128), (288, 35203),

Gene: Bluvara_58 Start: 40303, Stop: 40536, Start Num: 169
Candidate Starts for Bluvara_58:
(Start: 158 @40291 has 17 MA's), (Start: 169 @40303 has 17 MA's), (Start: 172 @40309 has 11 MA's), (199, 40375), (224, 40420), (242, 40450),

Gene: BobSwaget_54 Start: 37176, Stop: 36904, Start Num: 141
Candidate Starts for BobSwaget_54:
(Start: 141 @37176 has 140 MA's), (Start: 172 @37149 has 11 MA's), (220, 37026), (240, 36996),

Gene: Bobby_51 Start: 42712, Stop: 42957, Start Num: 164
Candidate Starts for Bobby_51:
(Start: 164 @42712 has 174 MA's), (220, 42844),

Gene: BobbyDazzler_46 Start: 34344, Stop: 34048, Start Num: 153
Candidate Starts for BobbyDazzler_46:
(Start: 153 @34344 has 38 MA's), (Start: 169 @34326 has 17 MA's), (Start: 172 @34320 has 11 MA's), (217, 34203), (236, 34170), (241, 34164), (274, 34104), (289, 34056),

Gene: BobsGarage_32 Start: 28422, Stop: 28688, Start Num: 163
Candidate Starts for BobsGarage_32:
(Start: 163 @28422 has 62 MA's), (Start: 180 @28467 has 8 MA's), (200, 28518), (241, 28584), (279, 28656), (287, 28677),

Gene: Bogg_38 Start: 32564, Stop: 32812, Start Num: 161
Candidate Starts for Bogg_38:
(118, 32495), (120, 32498), (Start: 133 @32525 has 1 MA's), (Start: 161 @32564 has 9 MA's), (Start: 186 @32624 has 3 MA's), (199, 32657), (201, 32663), (231, 32717), (240, 32729),

Gene: BogosyJay_57 Start: 38245, Stop: 37973, Start Num: 141
Candidate Starts for BogosyJay_57:
(Start: 141 @38245 has 140 MA's), (Start: 158 @38236 has 17 MA's), (184, 38179), (198, 38143), (240, 38065),

Gene: Bombitas_49 Start: 43727, Stop: 43975, Start Num: 164
Candidate Starts for Bombitas_49:
(Start: 164 @43727 has 174 MA's), (220, 43859),

Gene: Bonanza_46 Start: 34272, Stop: 33976, Start Num: 153
Candidate Starts for Bonanza_46:
(Start: 153 @34272 has 38 MA's), (Start: 169 @34254 has 17 MA's), (Start: 172 @34248 has 11 MA's), (217, 34131), (236, 34098), (241, 34092), (274, 34032), (289, 33984),

Gene: BooTeria_98 Start: 83660, Stop: 83920, Start Num: 162
Candidate Starts for BooTeria_98:
(Start: 162 @83660 has 9 MA's), (254, 83849), (268, 83879), (270, 83882),

Gene: Boohoo_64 Start: 37667, Stop: 37398, Start Num: 152
Candidate Starts for Boohoo_64:
(15, 38111), (19, 38087), (26, 38009), (Start: 152 @37667 has 22 MA's), (240, 37490), (262, 37451),

Gene: BourbonZero_30 Start: 28780, Stop: 29001, Start Num: 180
Candidate Starts for BourbonZero_30:
(Start: 163 @28735 has 62 MA's), (Start: 172 @28747 has 11 MA's), (Start: 180 @28780 has 8 MA's), (199, 28828),

Gene: Bowtie_58 Start: 37793, Stop: 37521, Start Num: 141
Candidate Starts for Bowtie_58:
(Start: 141 @37793 has 140 MA's), (Start: 158 @37784 has 17 MA's), (240, 37613),

Gene: Bradman_57 Start: 37421, Stop: 37149, Start Num: 141
Candidate Starts for Bradman_57:
(Start: 141 @37421 has 140 MA's), (Start: 169 @37400 has 17 MA's), (Start: 172 @37394 has 11 MA's), (220, 37271), (229, 37259),

Gene: Bradshaw_46 Start: 34298, Stop: 34002, Start Num: 153
Candidate Starts for Bradshaw_46:
(Start: 153 @34298 has 38 MA's), (Start: 169 @34280 has 17 MA's), (Start: 172 @34274 has 11 MA's), (217, 34157), (236, 34124), (241, 34118), (274, 34058), (289, 34010),

Gene: Brahms_33 Start: 23410, Stop: 23649, Start Num: 159
Candidate Starts for Brahms_33:
(45, 23167), (53, 23197), (Start: 159 @23410 has 8 MA's), (Start: 168 @23419 has 77 MA's), (199, 23506), (261, 23611), (276, 23641),

Gene: BrainDrainer_31 Start: 27763, Stop: 27981, Start Num: 180
Candidate Starts for BrainDrainer_31:
(Start: 163 @27718 has 62 MA's), (Start: 180 @27763 has 8 MA's), (240, 27877),

Gene: Breezona_32 Start: 28422, Stop: 28688, Start Num: 163
Candidate Starts for Breezona_32:
(Start: 163 @28422 has 62 MA's), (Start: 180 @28467 has 8 MA's), (200, 28518), (241, 28584), (279, 28656), (287, 28677),

Gene: Brewer_37 Start: 33383, Stop: 33628, Start Num: 164
Candidate Starts for Brewer_37:
(Start: 164 @33383 has 174 MA's), (Start: 186 @33440 has 3 MA's), (199, 33473), (201, 33479), (229, 33527), (231, 33533), (240, 33545),

Gene: Bromden_32 Start: 28137, Stop: 28400, Start Num: 163
Candidate Starts for Bromden_32:
(Start: 163 @28137 has 62 MA's), (Start: 180 @28182 has 8 MA's), (235, 28290), (279, 28371),

Gene: BronnyJames_44 Start: 38020, Stop: 38232, Start Num: 178
Candidate Starts for BronnyJames_44:
(Start: 172 @37993 has 11 MA's), (Start: 178 @38020 has 1 MA's), (199, 38074), (200, 38077), (235, 38134), (255, 38170),

Gene: Bruin_37 Start: 33155, Stop: 33400, Start Num: 164

Candidate Starts for Bruin_37:
(Start: 164 @33155 has 174 MA's), (Start: 186 @33212 has 3 MA's), (199, 33245), (201, 33251), (231, 33305), (240, 33317),

Gene: BrutonGaster_100 Start: 65316, Stop: 65621, Start Num: 141
Candidate Starts for BrutonGaster_100:
(89, 65226), (Start: 141 @65316 has 140 MA's), (Start: 150 @65328 has 14 MA's), (231, 65496), (272, 65574),

Gene: Bryce_45 Start: 34052, Stop: 33756, Start Num: 153
Candidate Starts for Bryce_45:
(Start: 153 @34052 has 38 MA's), (Start: 169 @34034 has 17 MA's), (Start: 172 @34028 has 11 MA's), (217, 33911), (236, 33878), (241, 33872), (274, 33812), (289, 33764),

Gene: Bryler_70 Start: 43476, Stop: 43715, Start Num: 165
Candidate Starts for Bryler_70:
(Start: 104 @43392 has 2 MA's), (Start: 165 @43476 has 73 MA's), (Start: 172 @43485 has 11 MA's), (209, 43566), (238, 43620),

Gene: BubbaBear_35 Start: 25387, Stop: 25617, Start Num: 168
Candidate Starts for BubbaBear_35:
(Start: 168 @25387 has 77 MA's),

Gene: Buck_36 Start: 33091, Stop: 33336, Start Num: 164
Candidate Starts for Buck_36:
(Start: 164 @33091 has 174 MA's), (Start: 186 @33148 has 3 MA's), (199, 33181), (201, 33187), (231, 33241), (240, 33253),

Gene: Bud_57 Start: 37340, Stop: 37068, Start Num: 141
Candidate Starts for Bud_57:
(Start: 141 @37340 has 140 MA's), (Start: 158 @37331 has 17 MA's), (240, 37160),

Gene: Budgie_39 Start: 32682, Stop: 32927, Start Num: 164
Candidate Starts for Budgie_39:
(Start: 164 @32682 has 174 MA's), (Start: 186 @32739 has 3 MA's), (201, 32778), (231, 32832), (235, 32838), (243, 32853),

Gene: BugsBunny_35 Start: 32724, Stop: 32969, Start Num: 164
Candidate Starts for BugsBunny_35:
(Start: 164 @32724 has 174 MA's), (Start: 186 @32781 has 3 MA's), (199, 32814), (201, 32820), (231, 32874), (240, 32886),

Gene: Bugsy_60 Start: 38826, Stop: 38554, Start Num: 141
Candidate Starts for Bugsy_60:
(41, 39066), (52, 39027), (Start: 141 @38826 has 140 MA's), (Start: 158 @38817 has 17 MA's), (Start: 169 @38805 has 17 MA's), (Start: 172 @38799 has 11 MA's), (220, 38676),

Gene: Buldak_33 Start: 24218, Stop: 24493, Start Num: 136
Candidate Starts for Buldak_33:
(5, 23414), (9, 23633), (30, 23939), (Start: 136 @24218 has 1 MA's), (Start: 168 @24254 has 77 MA's), (199, 24341),

Gene: Burritobowl_36 Start: 25388, Stop: 25618, Start Num: 168

Candidate Starts for Burritobowl_36:
(Start: 168 @25388 has 77 MA's),

Gene: C3_56 Start: 38705, Stop: 38394, Start Num: 121
Candidate Starts for C3_56:
(Start: 121 @38705 has 12 MA's), (Start: 141 @38666 has 140 MA's), (Start: 158 @38657 has 17 MA's), (198, 38564), (220, 38516), (240, 38486),

Gene: Cactus_38 Start: 32346, Stop: 32591, Start Num: 164
Candidate Starts for Cactus_38:
(Start: 164 @32346 has 174 MA's), (Start: 186 @32403 has 3 MA's), (199, 32436), (201, 32442), (231, 32496), (240, 32508),

Gene: Cain_70 Start: 43464, Stop: 43703, Start Num: 165
Candidate Starts for Cain_70:
(Start: 104 @43380 has 2 MA's), (Start: 165 @43464 has 73 MA's), (Start: 172 @43473 has 11 MA's), (209, 43554), (238, 43608),

Gene: CallinAllBarbz_34 Start: 24734, Stop: 24985, Start Num: 161
Candidate Starts for CallinAllBarbz_34:
(Start: 161 @24734 has 9 MA's), (198, 24827), (258, 24932),

Gene: Calm_30 Start: 27704, Stop: 27973, Start Num: 163
Candidate Starts for Calm_30:
(Start: 163 @27704 has 62 MA's), (Start: 180 @27749 has 8 MA's), (235, 27857),

Gene: CanFranMach_36 Start: 25473, Stop: 25703, Start Num: 168
Candidate Starts for CanFranMach_36:
(82, 25344), (84, 25347), (92, 25365), (99, 25377), (101, 25380), (109, 25389), (112, 25392), (Start: 159 @25464 has 8 MA's), (Start: 168 @25473 has 77 MA's), (193, 25545),

Gene: Candle_40 Start: 36392, Stop: 36637, Start Num: 158
Candidate Starts for Candle_40:
(130, 36350), (Start: 158 @36392 has 17 MA's), (173, 36413), (177, 36434), (187, 36461), (235, 36560), (236, 36563), (241, 36566), (275, 36617),

Gene: Caraxes_56 Start: 36944, Stop: 36672, Start Num: 121
Candidate Starts for Caraxes_56:
(Start: 121 @36944 has 12 MA's), (Start: 172 @36917 has 11 MA's), (220, 36794), (229, 36782),

Gene: CardboardBox_3 Start: 977, Stop: 1246, Start Num: 161
Candidate Starts for CardboardBox_3:
(Start: 161 @977 has 9 MA's),

Gene: Cardigan_131 Start: 76224, Stop: 76523, Start Num: 149
Candidate Starts for Cardigan_131:
(Start: 149 @76224 has 12 MA's), (181, 76284), (195, 76326), (201, 76335), (216, 76371), (235, 76401), (257, 76431),

Gene: Caron_44 Start: 27999, Stop: 28262, Start Num: 145
Candidate Starts for Caron_44:
(69, 27885), (71, 27888), (Start: 145 @27999 has 16 MA's), (181, 28053),

Gene: Casablancas_36 Start: 10074, Stop: 10328, Start Num: 165
Candidate Starts for Casablancas_36:
(146, 10059), (Start: 165 @10074 has 73 MA's), (181, 10119), (201, 10170), (210, 10188), (219, 10206), (225, 10218), (240, 10242),

Gene: Cashington_34 Start: 24734, Stop: 24964, Start Num: 168
Candidate Starts for Cashington_34:
(Start: 168 @24734 has 77 MA's), (225, 24875),

Gene: Cassita_54 Start: 33514, Stop: 33735, Start Num: 169
Candidate Starts for Cassita_54:
(60, 33349), (75, 33376), (77, 33379), (Start: 169 @33514 has 17 MA's), (201, 33607),

Gene: Catalina_59 Start: 38226, Stop: 37954, Start Num: 141
Candidate Starts for Catalina_59:
(Start: 141 @38226 has 140 MA's), (Start: 158 @38217 has 17 MA's), (184, 38160), (198, 38124), (216, 38085), (231, 38058), (240, 38046),

Gene: Catfish_63 Start: 40933, Stop: 41151, Start Num: 169
Candidate Starts for Catfish_63:
(Start: 169 @40933 has 17 MA's), (Start: 178 @40966 has 1 MA's), (218, 41056),

Gene: Cece_195 Start: 119232, Stop: 118984, Start Num: 167
Candidate Starts for Cece_195:
(130, 119280), (Start: 137 @119265 has 1 MA's), (Start: 167 @119232 has 26 MA's), (215, 119118), (229, 119097), (257, 119052),

Gene: Celaena_34 Start: 26364, Stop: 26594, Start Num: 168
Candidate Starts for Celaena_34:
(84, 26235), (87, 26244), (91, 26250), (97, 26259), (103, 26271), (Start: 107 @26277 has 1 MA's), (116, 26289), (Start: 159 @26355 has 8 MA's), (Start: 168 @26364 has 77 MA's), (199, 26451), (225, 26505), (261, 26556),

Gene: Celestialunch_56 Start: 38031, Stop: 37759, Start Num: 141
Candidate Starts for Celestialunch_56:
(Start: 141 @38031 has 140 MA's), (Start: 158 @38022 has 17 MA's), (198, 37929), (220, 37881), (231, 37863), (240, 37851), (266, 37806),

Gene: Cen1621_38 Start: 25188, Stop: 25475, Start Num: 123
Candidate Starts for Cen1621_38:
(Start: 123 @25188 has 1 MA's), (Start: 157 @25215 has 56 MA's), (224, 25371), (236, 25395),

Gene: ChamoyPickle_3 Start: 977, Stop: 1246, Start Num: 161
Candidate Starts for ChamoyPickle_3:
(Start: 161 @977 has 9 MA's),

Gene: Charm_56 Start: 38090, Stop: 37818, Start Num: 141
Candidate Starts for Charm_56:
(Start: 141 @38090 has 140 MA's), (184, 38024), (198, 37988), (231, 37922), (240, 37910), (243, 37901),

Gene: Chaser_30 Start: 27536, Stop: 27799, Start Num: 163
Candidate Starts for Chaser_30:

(Start: 163 @27536 has 62 MA's), (Start: 180 @27581 has 8 MA's), (240, 27695),

Gene: Chavito_69 Start: 44664, Stop: 44903, Start Num: 165
Candidate Starts for Chavito_69:
(Start: 104 @44589 has 2 MA's), (Start: 165 @44664 has 73 MA's), (209, 44754), (238, 44808),

Gene: Che12_59 Start: 37385, Stop: 37113, Start Num: 121
Candidate Starts for Che12_59:
(Start: 121 @37385 has 12 MA's), (Start: 172 @37358 has 11 MA's), (183, 37322), (201, 37274), (220, 37235), (229, 37223), (240, 37205),

Gene: ChengKai98_32 Start: 28469, Stop: 28690, Start Num: 180
Candidate Starts for ChengKai98_32:
(Start: 163 @28424 has 62 MA's), (Start: 180 @28469 has 8 MA's), (200, 28520), (241, 28586), (279, 28658), (287, 28679),

Gene: CherryTomatoes_78 Start: 28836, Stop: 29102, Start Num: 151
Candidate Starts for CherryTomatoes_78:
(Start: 151 @28836 has 4 MA's), (Start: 180 @28884 has 8 MA's), (239, 29004), (271, 29064),

Gene: ChiliPepper_33 Start: 25809, Stop: 26048, Start Num: 159
Candidate Starts for ChiliPepper_33:
(21, 25398), (27, 25461), (28, 25479), (29, 25500), (32, 25509), (36, 25533), (42, 25551), (44, 25557), (50, 25584), (51, 25587), (55, 25608), (56, 25611), (63, 25638), (67, 25650), (73, 25665), (80, 25680), (84, 25689), (87, 25698), (91, 25704), (97, 25713), (103, 25725), (Start: 107 @25731 has 1 MA's), (Start: 159 @25809 has 8 MA's), (Start: 168 @25818 has 77 MA's), (193, 25890), (199, 25905), (225, 25959), (261, 26010), (276, 26040),

Gene: ChipMunk_60 Start: 40026, Stop: 39754, Start Num: 141
Candidate Starts for ChipMunk_60:
(Start: 141 @40026 has 140 MA's), (Start: 158 @40017 has 17 MA's), (Start: 169 @40005 has 17 MA's), (Start: 172 @39999 has 11 MA's), (220, 39876),

Gene: ChipsNGuac_3 Start: 977, Stop: 1246, Start Num: 161
Candidate Starts for ChipsNGuac_3:
(Start: 161 @977 has 9 MA's),

Gene: ChosenOne_37 Start: 32343, Stop: 32588, Start Num: 164
Candidate Starts for ChosenOne_37:
(Start: 164 @32343 has 174 MA's), (Start: 186 @32400 has 3 MA's), (199, 32433), (201, 32439), (231, 32493), (240, 32505),

Gene: ChotaBhai_37 Start: 32381, Stop: 32626, Start Num: 164
Candidate Starts for ChotaBhai_37:
(Start: 164 @32381 has 174 MA's), (Start: 186 @32438 has 3 MA's), (199, 32471), (201, 32477), (229, 32525), (231, 32531), (240, 32543),

Gene: Chris_69 Start: 44665, Stop: 44892, Start Num: 165
Candidate Starts for Chris_69:
(Start: 165 @44665 has 73 MA's), (238, 44797), (259, 44836),

Gene: ChutneyChips_31 Start: 27716, Stop: 27979, Start Num: 163
Candidate Starts for ChutneyChips_31:

(Start: 163 @27716 has 62 MA's), (Start: 180 @27761 has 8 MA's), (240, 27875),

Gene: CicholasNage_30 Start: 27692, Stop: 27961, Start Num: 163
Candidate Starts for CicholasNage_30:
(Start: 163 @27692 has 62 MA's), (Start: 180 @27737 has 8 MA's), (235, 27845),

Gene: Cjw1_37 Start: 33895, Stop: 34140, Start Num: 164
Candidate Starts for Cjw1_37:
(Start: 164 @33895 has 174 MA's), (Start: 186 @33952 has 3 MA's), (199, 33985), (201, 33991), (231, 34045), (240, 34057),

Gene: Claus_32 Start: 28444, Stop: 28665, Start Num: 180
Candidate Starts for Claus_32:
(Start: 163 @28399 has 62 MA's), (Start: 180 @28444 has 8 MA's), (200, 28495), (212, 28513), (279, 28633), (287, 28654),

Gene: Clayda5_34 Start: 23406, Stop: 23636, Start Num: 168
Candidate Starts for Clayda5_34:
(45, 23154), (53, 23184), (Start: 159 @23397 has 8 MA's), (Start: 168 @23406 has 77 MA's), (199, 23493), (261, 23598), (276, 23628),

Gene: CliffHanger_37 Start: 24318, Stop: 24548, Start Num: 168
Candidate Starts for CliffHanger_37:
(Start: 168 @24318 has 77 MA's), (183, 24363), (216, 24441),

Gene: ClubL_125 Start: 70565, Stop: 70858, Start Num: 149
Candidate Starts for ClubL_125:
(Start: 149 @70565 has 12 MA's), (177, 70613), (235, 70742),

Gene: CogOmlette_57 Start: 37986, Stop: 37714, Start Num: 141
Candidate Starts for CogOmlette_57:
(Start: 141 @37986 has 140 MA's), (Start: 158 @37977 has 17 MA's), (184, 37920), (198, 37884), (220, 37836),

Gene: Coltrane_33 Start: 23410, Stop: 23649, Start Num: 159
Candidate Starts for Coltrane_33:
(45, 23167), (53, 23197), (Start: 159 @23410 has 8 MA's), (Start: 168 @23419 has 77 MA's), (199, 23506), (261, 23611), (276, 23641),

Gene: Command613_38 Start: 33402, Stop: 33647, Start Num: 164
Candidate Starts for Command613_38:
(Start: 164 @33402 has 174 MA's), (Start: 186 @33459 has 3 MA's), (199, 33492), (201, 33498), (231, 33552), (240, 33564),

Gene: Community_34 Start: 26806, Stop: 27072, Start Num: 148
Candidate Starts for Community_34:
(38, 26569), (43, 26578), (Start: 148 @26806 has 16 MA's),

Gene: Conditioner_9 Start: 6356, Stop: 6033, Start Num: 157
Candidate Starts for Conditioner_9:
(113, 6422), (Start: 157 @6356 has 56 MA's), (181, 6305), (196, 6260), (206, 6242), (286, 6086),

Gene: Conquerage_58 Start: 38297, Stop: 38025, Start Num: 141

Candidate Starts for Conquerage_58:
(Start: 141 @38297 has 140 MA's), (Start: 158 @38288 has 17 MA's), (184, 38231), (198, 38195), (216, 38156), (231, 38129), (240, 38117),

Gene: Constella_44 Start: 40270, Stop: 40518, Start Num: 164
Candidate Starts for Constella_44:
(Start: 164 @40270 has 174 MA's), (Start: 178 @40309 has 1 MA's), (199, 40363), (200, 40366), (235, 40423), (255, 40459), (279, 40507),

Gene: Contagion_36 Start: 32639, Stop: 32884, Start Num: 164
Candidate Starts for Contagion_36:
(Start: 164 @32639 has 174 MA's), (Start: 186 @32696 has 3 MA's), (199, 32729), (201, 32735), (229, 32783), (231, 32789), (240, 32801),

Gene: Cookies_37 Start: 33004, Stop: 33249, Start Num: 164
Candidate Starts for Cookies_37:
(Start: 164 @33004 has 174 MA's), (Start: 186 @33061 has 3 MA's), (199, 33094), (201, 33100), (229, 33148), (231, 33154), (240, 33166),

Gene: Corn21_9 Start: 6384, Stop: 6061, Start Num: 157
Candidate Starts for Corn21_9:
(113, 6450), (Start: 157 @6384 has 56 MA's), (181, 6333), (196, 6288), (206, 6270), (261, 6165), (286, 6114),

Gene: CosmicSans_46 Start: 34298, Stop: 34002, Start Num: 153
Candidate Starts for CosmicSans_46:
(Start: 153 @34298 has 38 MA's), (Start: 169 @34280 has 17 MA's), (Start: 172 @34274 has 11 MA's), (217, 34157), (236, 34124), (241, 34118), (274, 34058), (289, 34010),

Gene: Cosmo_53 Start: 39361, Stop: 39609, Start Num: 163
Candidate Starts for Cosmo_53:
(Start: 163 @39361 has 62 MA's), (191, 39442), (217, 39490), (236, 39523), (239, 39526), (240, 39529), (258, 39562), (278, 39598),

Gene: Count_87 Start: 57913, Stop: 58173, Start Num: 156
Candidate Starts for Count_87:
(Start: 156 @57913 has 5 MA's),

Gene: Courthouse_51 Start: 40812, Stop: 41051, Start Num: 172
Candidate Starts for Courthouse_51:
(Start: 172 @40812 has 11 MA's), (Start: 178 @40839 has 1 MA's), (199, 40893), (200, 40896), (235, 40953), (255, 40989),

Gene: Crewmate_37 Start: 25536, Stop: 25778, Start Num: 167
Candidate Starts for Crewmate_37:
(38, 25278), (47, 25314), (Start: 167 @25536 has 26 MA's),

Gene: CrimD_68 Start: 44444, Stop: 44686, Start Num: 165
Candidate Starts for CrimD_68:
(Start: 165 @44444 has 73 MA's), (209, 44534), (259, 44630),

Gene: CroZenni_36 Start: 25278, Stop: 25508, Start Num: 168
Candidate Starts for CroZenni_36:

(82, 25149), (84, 25152), (92, 25170), (99, 25182), (101, 25185), (109, 25194), (112, 25197), (Start: 159 @25269 has 8 MA's), (Start: 168 @25278 has 77 MA's),

Gene: Crossroads_32 Start: 28422, Stop: 28688, Start Num: 163
Candidate Starts for Crossroads_32:
(Start: 163 @28422 has 62 MA's), (Start: 180 @28467 has 8 MA's), (200, 28518), (241, 28584), (279, 28656), (287, 28677),

Gene: Crucio_58 Start: 38443, Stop: 38171, Start Num: 141
Candidate Starts for Crucio_58:
(Start: 141 @38443 has 140 MA's), (Start: 158 @38434 has 17 MA's), (Start: 169 @38422 has 17 MA's), (Start: 172 @38416 has 11 MA's), (220, 38293),

Gene: CrunchyBoi_10 Start: 6445, Stop: 6122, Start Num: 157
Candidate Starts for CrunchyBoi_10:
(62, 6613), (83, 6562), (Start: 157 @6445 has 56 MA's), (181, 6394), (187, 6379), (206, 6331), (263, 6223), (286, 6175), (290, 6157),

Gene: CrystalP_37 Start: 33135, Stop: 33380, Start Num: 164
Candidate Starts for CrystalP_37:
(Start: 164 @33135 has 174 MA's), (Start: 186 @33192 has 3 MA's), (199, 33225), (201, 33231), (231, 33285), (240, 33297),

Gene: Cucurbita_126 Start: 72310, Stop: 72600, Start Num: 150
Candidate Starts for Cucurbita_126:
(86, 72202), (94, 72217), (122, 72262), (Start: 150 @72310 has 14 MA's), (177, 72355), (235, 72484),

Gene: Culver_125 Start: 70325, Stop: 70618, Start Num: 149
Candidate Starts for Culver_125:
(Start: 149 @70325 has 12 MA's), (177, 70373), (235, 70502),

Gene: CupcakePrincess_37 Start: 25564, Stop: 25806, Start Num: 168
Candidate Starts for CupcakePrincess_37:
(Start: 168 @25564 has 77 MA's), (276, 25798),

Gene: Curiosium_70 Start: 43138, Stop: 43380, Start Num: 165
Candidate Starts for Curiosium_70:
(102, 43060), (Start: 165 @43138 has 73 MA's), (209, 43228), (259, 43324), (270, 43348),

Gene: Czyszczon1_38 Start: 32880, Stop: 33125, Start Num: 164
Candidate Starts for Czyszczon1_38:
(Start: 164 @32880 has 174 MA's), (Start: 186 @32937 has 3 MA's), (199, 32970), (201, 32976), (231, 33030), (240, 33042),

Gene: D29_56 Start: 38269, Stop: 37997, Start Num: 141
Candidate Starts for D29_56:
(Start: 141 @38269 has 140 MA's), (Start: 158 @38260 has 17 MA's), (198, 38167), (240, 38089), (270, 38035),

Gene: D32_59 Start: 38269, Stop: 37997, Start Num: 141
Candidate Starts for D32_59:
(Start: 141 @38269 has 140 MA's), (Start: 158 @38260 has 17 MA's), (198, 38167), (240, 38089), (270, 38035),

Gene: DBQu4n_60 Start: 38250, Stop: 37978, Start Num: 141
Candidate Starts for DBQu4n_60:
(Start: 141 @38250 has 140 MA's), (Start: 158 @38241 has 17 MA's), (198, 38148), (240, 38070), (270, 38016),

Gene: DHan_32 Start: 28380, Stop: 28601, Start Num: 180
Candidate Starts for DHan_32:
(Start: 163 @28335 has 62 MA's), (Start: 180 @28380 has 8 MA's), (200, 28431), (212, 28449), (279, 28569), (287, 28590),

Gene: DS6A_74 Start: 48826, Stop: 49065, Start Num: 167
Candidate Starts for DS6A_74:
(59, 48631), (Start: 167 @48826 has 26 MA's), (Start: 180 @48868 has 8 MA's), (198, 48901), (249, 48985),

Gene: Daddyjeff_52 Start: 34278, Stop: 34511, Start Num: 164
Candidate Starts for Daddyjeff_52:
(Start: 164 @34278 has 174 MA's), (217, 34413),

Gene: Daikon_36 Start: 32873, Stop: 33118, Start Num: 164
Candidate Starts for Daikon_36:
(Start: 164 @32873 has 174 MA's), (Start: 186 @32930 has 3 MA's), (199, 32963), (201, 32969), (229, 33017), (231, 33023), (240, 33035),

Gene: Dallas_54 Start: 43667, Stop: 43912, Start Num: 164
Candidate Starts for Dallas_54:
(Start: 164 @43667 has 174 MA's), (187, 43730), (199, 43760), (200, 43763), (236, 43823), (240, 43826), (241, 43829),

Gene: Dalmatian_59 Start: 38649, Stop: 38377, Start Num: 141
Candidate Starts for Dalmatian_59:
(Start: 141 @38649 has 140 MA's), (Start: 158 @38640 has 17 MA's), (Start: 169 @38628 has 17 MA's), (Start: 172 @38622 has 11 MA's), (220, 38499), (240, 38469),

Gene: DanBing_31 Start: 28284, Stop: 28505, Start Num: 180
Candidate Starts for DanBing_31:
(Start: 163 @28239 has 62 MA's), (Start: 180 @28284 has 8 MA's), (200, 28335), (279, 28473), (287, 28494),

Gene: Dardanus_57 Start: 37159, Stop: 37398, Start Num: 166
Candidate Starts for Dardanus_57:
(90, 37051), (Start: 166 @37159 has 9 MA's), (181, 37201), (201, 37252), (202, 37255), (231, 37306), (236, 37315), (249, 37336),

Gene: Daredevil_75 Start: 52964, Stop: 52707, Start Num: 140
Candidate Starts for Daredevil_75:
(111, 53015), (Start: 121 @53000 has 12 MA's), (124, 52991), (126, 52988), (Start: 140 @52964 has 6 MA's), (236, 52793),

Gene: Darrell_60 Start: 38922, Stop: 38650, Start Num: 141
Candidate Starts for Darrell_60:

(Start: 141 @38922 has 140 MA's), (Start: 158 @38913 has 17 MA's), (184, 38856), (198, 38820), (220, 38772), (247, 38730),

Gene: DarthPhader_54 Start: 39183, Stop: 38911, Start Num: 141
Candidate Starts for DarthPhader_54:
(Start: 141 @39183 has 140 MA's), (Start: 158 @39174 has 17 MA's), (198, 39081), (220, 39033), (235, 39009), (240, 39003),

Gene: Dashyla_9 Start: 6362, Stop: 6042, Start Num: 157
Candidate Starts for Dashyla_9:
(96, 6452), (Start: 157 @6362 has 56 MA's), (181, 6311), (187, 6296), (206, 6248), (279, 6107),

Gene: DatBoi_82 Start: 57093, Stop: 56827, Start Num: 140
Candidate Starts for DatBoi_82:
(Start: 123 @57123 has 1 MA's), (125, 57120), (Start: 140 @57093 has 6 MA's),

Gene: DejaVu_31 Start: 9377, Stop: 9625, Start Num: 165
Candidate Starts for DejaVu_31:
(Start: 133 @9338 has 1 MA's), (Start: 165 @9377 has 73 MA's), (181, 9422), (196, 9458), (271, 9605),

Gene: DekHockey33_65 Start: 37959, Stop: 37690, Start Num: 152
Candidate Starts for DekHockey33_65:
(15, 38403), (26, 38301), (Start: 152 @37959 has 22 MA's), (240, 37782),

Gene: Deschain_35 Start: 10738, Stop: 10992, Start Num: 165
Candidate Starts for Deschain_35:
(146, 10723), (Start: 165 @10738 has 73 MA's), (181, 10783), (201, 10834), (210, 10852), (219, 10870), (225, 10882), (240, 10906),

Gene: DickRichards_35 Start: 25717, Stop: 25947, Start Num: 168
Candidate Starts for DickRichards_35:
(Start: 168 @25717 has 77 MA's),

Gene: Didgeridoo_38 Start: 25851, Stop: 26093, Start Num: 168
Candidate Starts for Didgeridoo_38:
(Start: 168 @25851 has 77 MA's), (225, 25992),

Gene: Dignity_60 Start: 38849, Stop: 38577, Start Num: 141
Candidate Starts for Dignity_60:
(Start: 141 @38849 has 140 MA's), (Start: 158 @38840 has 17 MA's), (Start: 169 @38828 has 17 MA's), (Start: 172 @38822 has 11 MA's), (220, 38699),

Gene: Dinger_45 Start: 34431, Stop: 34135, Start Num: 153
Candidate Starts for Dinger_45:
(Start: 153 @34431 has 38 MA's), (Start: 169 @34413 has 17 MA's), (Start: 172 @34407 has 11 MA's), (217, 34290), (236, 34257), (241, 34251), (274, 34191), (289, 34143),

Gene: DinoDaryn_63 Start: 39006, Stop: 39230, Start Num: 166
Candidate Starts for DinoDaryn_63:
(Start: 166 @39006 has 9 MA's), (181, 39048), (199, 39093), (202, 39102), (231, 39153), (236, 39162), (249, 39183),

Gene: DirkDirk_30 Start: 27718, Stop: 27942, Start Num: 180

Candidate Starts for DirkDirk_30:
(Start: 163 @27673 has 62 MA's), (Start: 180 @27718 has 8 MA's), (235, 27826),

Gene: DirtyBubble_36 Start: 26244, Stop: 26477, Start Num: 168
Candidate Starts for DirtyBubble_36:
(82, 26115), (84, 26118), (92, 26136), (99, 26148), (101, 26151), (109, 26160), (Start: 159 @26235 has 8 MA's), (Start: 168 @26244 has 77 MA's), (234, 26394),

Gene: Dismas_34 Start: 25989, Stop: 26219, Start Num: 168
Candidate Starts for Dismas_34:
(21, 25569), (27, 25632), (28, 25650), (29, 25671), (32, 25680), (36, 25704), (42, 25722), (44, 25728), (50, 25755), (51, 25758), (55, 25779), (63, 25809), (67, 25821), (73, 25836), (80, 25851), (84, 25860), (87, 25869), (91, 25875), (97, 25884), (103, 25896), (Start: 107 @25902 has 1 MA's), (Start: 159 @25980 has 8 MA's), (Start: 168 @25989 has 77 MA's), (193, 26061), (199, 26076), (225, 26130), (261, 26181), (276, 26211),

Gene: Divya_48 Start: 34038, Stop: 34328, Start Num: 150
Candidate Starts for Divya_48:
(Start: 150 @34038 has 14 MA's), (177, 34089), (183, 34104), (248, 34212), (258, 34227), (288, 34302),

Gene: DmpstrDiver_53 Start: 43660, Stop: 43905, Start Num: 164
Candidate Starts for DmpstrDiver_53:
(Start: 164 @43660 has 174 MA's), (187, 43723), (199, 43753), (200, 43756), (236, 43816), (240, 43819), (241, 43822),

Gene: DoctorDiddles_37 Start: 32297, Stop: 32542, Start Num: 164
Candidate Starts for DoctorDiddles_37:
(Start: 164 @32297 has 174 MA's), (Start: 186 @32354 has 3 MA's), (199, 32387), (201, 32393), (229, 32441), (231, 32447), (240, 32459),

Gene: Dodo_214 Start: 118119, Stop: 117865, Start Num: 167
Candidate Starts for Dodo_214:
(Start: 167 @118119 has 26 MA's), (213, 118005), (229, 117978), (257, 117933),

Gene: Dodo_367 Start: 185243, Stop: 185473, Start Num: 169
Candidate Starts for Dodo_367:
(Start: 169 @185243 has 17 MA's), (189, 185315), (207, 185357), (256, 185444), (265, 185462),

Gene: Dodo_21 Start: 7043, Stop: 7273, Start Num: 169
Candidate Starts for Dodo_21:
(Start: 169 @7043 has 17 MA's), (189, 7115), (207, 7157), (256, 7244), (265, 7262),

Gene: Doobus_35 Start: 25098, Stop: 25328, Start Num: 168
Candidate Starts for Doobus_35:
(Start: 168 @25098 has 77 MA's),

Gene: Douge_30 Start: 27474, Stop: 27737, Start Num: 163
Candidate Starts for Douge_30:
(Start: 163 @27474 has 62 MA's), (Start: 180 @27519 has 8 MA's), (199, 27567), (240, 27633),

Gene: Douzhi_30 Start: 27624, Stop: 27842, Start Num: 180
Candidate Starts for Douzhi_30:

(Start: 163 @27579 has 62 MA's), (Start: 180 @27624 has 8 MA's), (240, 27738),

Gene: Dove_49 Start: 43194, Stop: 43442, Start Num: 164
Candidate Starts for Dove_49:
(Start: 164 @43194 has 174 MA's), (Start: 178 @43233 has 1 MA's), (199, 43287), (200, 43290), (235, 43347), (255, 43383), (279, 43431),

Gene: DrDrey_38 Start: 33627, Stop: 33872, Start Num: 164
Candidate Starts for DrDrey_38:
(Start: 164 @33627 has 174 MA's), (Start: 186 @33684 has 3 MA's), (199, 33717), (201, 33723), (231, 33777), (240, 33789),

Gene: DrHayes_67 Start: 44362, Stop: 44604, Start Num: 165
Candidate Starts for DrHayes_67:
(Start: 165 @44362 has 73 MA's), (209, 44452), (259, 44548), (270, 44572),

Gene: DrManhattan_32 Start: 23095, Stop: 23340, Start Num: 145
Candidate Starts for DrManhattan_32:
(24, 22726), (38, 22840), (47, 22876), (Start: 145 @23095 has 16 MA's),

Gene: DrSeegs_32 Start: 28422, Stop: 28688, Start Num: 163
Candidate Starts for DrSeegs_32:
(Start: 163 @28422 has 62 MA's), (Start: 180 @28467 has 8 MA's), (200, 28518), (241, 28584), (279, 28656), (287, 28677),

Gene: DrSierra_32 Start: 23583, Stop: 23849, Start Num: 148
Candidate Starts for DrSierra_32:
(38, 23325), (47, 23361), (97, 23499), (Start: 148 @23583 has 16 MA's), (236, 23766),

Gene: DreamTeam1_56 Start: 37922, Stop: 37650, Start Num: 141
Candidate Starts for DreamTeam1_56:
(Start: 141 @37922 has 140 MA's), (184, 37856), (198, 37820), (231, 37754), (240, 37742), (243, 37733),

Gene: DudeLittle_57 Start: 38415, Stop: 38143, Start Num: 141
Candidate Starts for DudeLittle_57:
(Start: 141 @38415 has 140 MA's), (Start: 158 @38406 has 17 MA's), (Start: 169 @38394 has 17 MA's), (Start: 172 @38388 has 11 MA's), (220, 38265), (240, 38235),

Gene: Duke13_55 Start: 43999, Stop: 44247, Start Num: 164
Candidate Starts for Duke13_55:
(Start: 164 @43999 has 174 MA's), (220, 44131),

Gene: Dumbo_37 Start: 32602, Stop: 32847, Start Num: 164
Candidate Starts for Dumbo_37:
(Start: 164 @32602 has 174 MA's), (Start: 186 @32659 has 3 MA's), (199, 32692), (201, 32698), (231, 32752), (240, 32764),

Gene: DumpQuist_9 Start: 6359, Stop: 6036, Start Num: 157
Candidate Starts for DumpQuist_9:
(Start: 157 @6359 has 56 MA's), (181, 6308), (196, 6263), (206, 6245), (261, 6140), (286, 6089),

Gene: DuncansLeg_31 Start: 28758, Stop: 29024, Start Num: 163

Candidate Starts for DuncansLeg_31:
(Start: 163 @28758 has 62 MA's), (Start: 172 @28770 has 11 MA's), (Start: 180 @28803 has 8 MA's), (199, 28851),

Gene: DunneganBoMo_97 Start: 82929, Stop: 83189, Start Num: 162
Candidate Starts for DunneganBoMo_97:
(Start: 162 @82929 has 9 MA's), (254, 83118), (268, 83148), (270, 83151),

Gene: Duplo_60 Start: 38306, Stop: 38034, Start Num: 141
Candidate Starts for Duplo_60:
(Start: 141 @38306 has 140 MA's), (Start: 158 @38297 has 17 MA's), (198, 38204), (240, 38126), (270, 38072),

Gene: Dusk_36 Start: 32787, Stop: 33032, Start Num: 164
Candidate Starts for Dusk_36:
(Start: 164 @32787 has 174 MA's), (Start: 186 @32844 has 3 MA's), (199, 32877), (201, 32883), (229, 32931), (231, 32937), (240, 32949),

Gene: Dusty_122 Start: 70537, Stop: 70830, Start Num: 149
Candidate Starts for Dusty_122:
(Start: 149 @70537 has 12 MA's), (177, 70585), (235, 70714),

Gene: DustyDino_38 Start: 10938, Stop: 11192, Start Num: 165
Candidate Starts for DustyDino_38:
(146, 10923), (Start: 165 @10938 has 73 MA's), (181, 10983), (201, 11034), (210, 11052), (219, 11070),

Gene: DyoEdafos_31 Start: 27675, Stop: 27938, Start Num: 163
Candidate Starts for DyoEdafos_31:
(Start: 163 @27675 has 62 MA's), (Start: 180 @27720 has 8 MA's), (240, 27834),

Gene: EagleEye_60 Start: 38143, Stop: 37871, Start Num: 141
Candidate Starts for EagleEye_60:
(100, 38212), (Start: 141 @38143 has 140 MA's), (Start: 153 @38140 has 38 MA's), (Start: 158 @38134 has 17 MA's), (198, 38041), (217, 37999), (220, 37993), (240, 37963),

Gene: Easy2Say_39 Start: 34385, Stop: 34630, Start Num: 164
Candidate Starts for Easy2Say_39:
(Start: 164 @34385 has 174 MA's), (Start: 186 @34442 has 3 MA's), (199, 34475), (201, 34481), (231, 34535), (240, 34547),

Gene: Ebony_57 Start: 37357, Stop: 37085, Start Num: 141
Candidate Starts for Ebony_57:
(Start: 141 @37357 has 140 MA's), (Start: 158 @37348 has 17 MA's), (240, 37177),

Gene: Echild_58 Start: 37724, Stop: 37452, Start Num: 141
Candidate Starts for Echild_58:
(Start: 141 @37724 has 140 MA's), (Start: 158 @37715 has 17 MA's), (Start: 169 @37703 has 17 MA's), (Start: 172 @37697 has 11 MA's), (220, 37574),

Gene: Eden_34 Start: 24202, Stop: 24432, Start Num: 168
Candidate Starts for Eden_34:

(Start: 138 @24169 has 2 MA's), (Start: 168 @24202 has 77 MA's), (225, 24343), (232, 24349), (242, 24364), (261, 24394), (276, 24424),

Gene: EdogawaKiddo_58 Start: 38274, Stop: 38002, Start Num: 141
Candidate Starts for EdogawaKiddo_58:
(Start: 141 @38274 has 140 MA's), (Start: 158 @38265 has 17 MA's), (184, 38208), (198, 38172), (216, 38133), (231, 38106), (240, 38094),

Gene: Eevee_51 Start: 37090, Stop: 37338, Start Num: 164
Candidate Starts for Eevee_51:
(Start: 164 @37090 has 174 MA's), (201, 37189), (203, 37195), (235, 37249), (236, 37252), (243, 37258), (277, 37327),

Gene: Eidsmoe_58 Start: 38289, Stop: 38017, Start Num: 141
Candidate Starts for Eidsmoe_58:
(Start: 141 @38289 has 140 MA's), (Start: 158 @38280 has 17 MA's), (184, 38223), (198, 38187), (216, 38148), (231, 38121), (240, 38109),

Gene: Ejimix_52 Start: 44918, Stop: 45163, Start Num: 164
Candidate Starts for Ejimix_52:
(Start: 164 @44918 has 174 MA's), (187, 44981), (199, 45011), (200, 45014), (236, 45074), (240, 45077), (241, 45080),

Gene: Elephantoon_57 Start: 37664, Stop: 37392, Start Num: 141
Candidate Starts for Elephantoon_57:
(Start: 141 @37664 has 140 MA's), (Start: 158 @37655 has 17 MA's), (184, 37598), (198, 37562), (216, 37523), (231, 37496), (240, 37484),

Gene: Elezi_34 Start: 26623, Stop: 26880, Start Num: 148
Candidate Starts for Elezi_34:
(38, 26386), (43, 26395), (Start: 148 @26623 has 16 MA's), (181, 26671), (239, 26788),

Gene: Elfy_29 Start: 22644, Stop: 22913, Start Num: 167
Candidate Starts for Elfy_29:
(Start: 167 @22644 has 26 MA's), (197, 22728), (251, 22830),

Gene: Elite2014_36 Start: 32342, Stop: 32587, Start Num: 164
Candidate Starts for Elite2014_36:
(Start: 164 @32342 has 174 MA's), (Start: 186 @32399 has 3 MA's), (199, 32432), (201, 32438), (231, 32492), (240, 32504),

Gene: Ellewin_96 Start: 82340, Stop: 82600, Start Num: 162
Candidate Starts for Ellewin_96:
(Start: 162 @82340 has 9 MA's), (254, 82529), (268, 82559), (270, 82562),

Gene: Ellson_31 Start: 28745, Stop: 29011, Start Num: 163
Candidate Starts for Ellson_31:
(Start: 163 @28745 has 62 MA's), (Start: 172 @28757 has 11 MA's), (Start: 180 @28790 has 8 MA's), (199, 28838),

Gene: Elph10_38 Start: 32605, Stop: 32850, Start Num: 164
Candidate Starts for Elph10_38:

(Start: 164 @32605 has 174 MA's), (Start: 186 @32662 has 3 MA's), (199, 32695), (201, 32701), (231, 32755), (240, 32767),

Gene: Elva_38 Start: 26309, Stop: 26539, Start Num: 168
Candidate Starts for Elva_38:
(82, 26177), (84, 26180), (91, 26195), (99, 26210), (101, 26213), (109, 26225), (Start: 159 @26300 has 8 MA's), (Start: 168 @26309 has 77 MA's),

Gene: EmiRose_45 Start: 36642, Stop: 36902, Start Num: 156
Candidate Starts for EmiRose_45:
(Start: 156 @36642 has 5 MA's), (209, 36756), (212, 36765), (240, 36816), (241, 36819),

Gene: Emmetator_100 Start: 82884, Stop: 83144, Start Num: 162
Candidate Starts for Emmetator_100:
(Start: 162 @82884 has 9 MA's), (254, 83073), (268, 83103), (270, 83106),

Gene: Emmina_38 Start: 32963, Stop: 33208, Start Num: 164
Candidate Starts for Emmina_38:
(Start: 164 @32963 has 174 MA's), (Start: 186 @33020 has 3 MA's), (199, 33053), (201, 33059), (231, 33113), (240, 33125),

Gene: Emotion_38 Start: 26311, Stop: 26598, Start Num: 154
Candidate Starts for Emotion_38:
(Start: 121 @26266 has 12 MA's), (Start: 154 @26311 has 15 MA's),

Gene: EmyBug_57 Start: 38291, Stop: 38019, Start Num: 141
Candidate Starts for EmyBug_57:
(Start: 141 @38291 has 140 MA's), (Start: 158 @38282 has 17 MA's), (184, 38225), (198, 38189), (216, 38150), (231, 38123), (240, 38111),

Gene: Enceladus_30 Start: 27674, Stop: 27943, Start Num: 163
Candidate Starts for Enceladus_30:
(Start: 163 @27674 has 62 MA's), (Start: 180 @27719 has 8 MA's), (235, 27827),

Gene: Engineer_127 Start: 71970, Stop: 72260, Start Num: 150
Candidate Starts for Engineer_127:
(86, 71862), (94, 71877), (122, 71922), (Start: 150 @71970 has 14 MA's), (177, 72015), (235, 72144),

Gene: EniyanLRS_50 Start: 39059, Stop: 39307, Start Num: 163
Candidate Starts for EniyanLRS_50:
(Start: 163 @39059 has 62 MA's), (191, 39140), (217, 39188), (236, 39221), (239, 39224), (240, 39227), (258, 39260), (278, 39296),

Gene: Enkosi_57 Start: 43554, Stop: 43799, Start Num: 165
Candidate Starts for Enkosi_57:
(Start: 104 @43482 has 2 MA's), (Start: 165 @43554 has 73 MA's), (214, 43659), (241, 43701), (259, 43737),

Gene: Epsocamisio_61 Start: 37202, Stop: 36933, Start Num: 152
Candidate Starts for Epsocamisio_61:
(15, 37646), (19, 37622), (26, 37544), (Start: 152 @37202 has 22 MA's), (240, 37025),

Gene: Erasmago_208 Start: 112982, Stop: 112728, Start Num: 167

Candidate Starts for Erasmago_208:
(72, 113141), (74, 113132), (91, 113096), (103, 113075), (132, 113030), (Start: 167 @112982 has 26 MA's), (229, 112841),

Gene: Erenyeager_35 Start: 10332, Stop: 10586, Start Num: 165
Candidate Starts for Erenyeager_35:
(146, 10317), (Start: 165 @10332 has 73 MA's), (181, 10377), (201, 10428), (210, 10446), (219, 10464),

Gene: EricMillard_52 Start: 44419, Stop: 44664, Start Num: 164
Candidate Starts for EricMillard_52:
(Start: 164 @44419 has 174 MA's), (187, 44482), (199, 44512), (200, 44515), (236, 44575), (240, 44578), (241, 44581),

Gene: Erik_46 Start: 34230, Stop: 33934, Start Num: 153
Candidate Starts for Erik_46:
(Start: 153 @34230 has 38 MA's), (Start: 169 @34212 has 17 MA's), (Start: 172 @34206 has 11 MA's), (217, 34089), (236, 34056), (241, 34050), (274, 33990), (289, 33942),

Gene: Espica_46 Start: 34231, Stop: 33935, Start Num: 153
Candidate Starts for Espica_46:
(Start: 153 @34231 has 38 MA's), (Start: 169 @34213 has 17 MA's), (Start: 172 @34207 has 11 MA's), (217, 34090), (236, 34057), (241, 34051), (274, 33991), (289, 33943),

Gene: Et2Brutus_56 Start: 37320, Stop: 37048, Start Num: 141
Candidate Starts for Et2Brutus_56:
(Start: 141 @37320 has 140 MA's), (Start: 158 @37311 has 17 MA's), (240, 37140),

Gene: EugeneKrabs_9 Start: 6127, Stop: 5798, Start Num: 157
Candidate Starts for EugeneKrabs_9:
(Start: 157 @6127 has 56 MA's), (181, 6073), (220, 5974), (261, 5905), (272, 5881), (290, 5836),

Gene: Eula_37 Start: 25477, Stop: 25719, Start Num: 168
Candidate Starts for Eula_37:
(Start: 168 @25477 has 77 MA's), (276, 25711),

Gene: Eureka_38 Start: 33647, Stop: 33895, Start Num: 161
Candidate Starts for Eureka_38:
(118, 33578), (120, 33581), (Start: 133 @33608 has 1 MA's), (Start: 161 @33647 has 9 MA's), (Start: 186 @33707 has 3 MA's), (199, 33740), (201, 33746), (231, 33800), (240, 33812),

Gene: EvilGenius_60 Start: 40027, Stop: 39755, Start Num: 141
Candidate Starts for EvilGenius_60:
(Start: 141 @40027 has 140 MA's), (Start: 158 @40018 has 17 MA's), (Start: 169 @40006 has 17 MA's), (Start: 172 @40000 has 11 MA's), (220, 39877),

Gene: Exile_31 Start: 26521, Stop: 26784, Start Num: 167
Candidate Starts for Exile_31:
(Start: 167 @26521 has 26 MA's), (258, 26719), (273, 26752),

Gene: ExplosioNervosa_58 Start: 38348, Stop: 38085, Start Num: 158
Candidate Starts for ExplosioNervosa_58:

(Start: 141 @38357 has 140 MA's), (Start: 158 @38348 has 17 MA's), (184, 38291), (198, 38255), (216, 38216), (231, 38189), (240, 38177),

Gene: Ezurina_2 Start: 591, Stop: 860, Start Num: 161
Candidate Starts for Ezurina_2:
(Start: 161 @591 has 9 MA's), (199, 687), (229, 741),

Gene: FairyPath_37 Start: 33330, Stop: 33575, Start Num: 164
Candidate Starts for FairyPath_37:
(Start: 164 @33330 has 174 MA's), (Start: 186 @33387 has 3 MA's), (199, 33420), (201, 33426), (231, 33480), (240, 33492),

Gene: Faith1_32 Start: 28422, Stop: 28688, Start Num: 163
Candidate Starts for Faith1_32:
(Start: 163 @28422 has 62 MA's), (Start: 180 @28467 has 8 MA's), (200, 28518), (241, 28584), (279, 28656), (287, 28677),

Gene: Fameo_58 Start: 38774, Stop: 38502, Start Num: 141
Candidate Starts for Fameo_58:
(Start: 141 @38774 has 140 MA's), (Start: 158 @38765 has 17 MA's), (Start: 169 @38753 has 17 MA's), (Start: 172 @38747 has 11 MA's), (220, 38624), (240, 38594),

Gene: FarmResident_30 Start: 27563, Stop: 27781, Start Num: 180
Candidate Starts for FarmResident_30:
(Start: 163 @27518 has 62 MA's), (Start: 180 @27563 has 8 MA's), (199, 27611), (240, 27677),

Gene: FatCactus_51 Start: 35904, Stop: 35632, Start Num: 141
Candidate Starts for FatCactus_51:
(Start: 141 @35904 has 140 MA's), (Start: 158 @35895 has 17 MA's), (220, 35754), (240, 35724),

Gene: Fayely_58 Start: 38258, Stop: 37986, Start Num: 141
Candidate Starts for Fayely_58:
(Start: 141 @38258 has 140 MA's), (Start: 158 @38249 has 17 MA's), (184, 38192), (198, 38156), (216, 38117), (231, 38090), (240, 38078),

Gene: Fede_9 Start: 6342, Stop: 6010, Start Num: 157
Candidate Starts for Fede_9:
(Start: 157 @6342 has 56 MA's), (177, 6303), (181, 6291), (188, 6273), (220, 6192), (279, 6087),

Gene: Fibonacci_57 Start: 37326, Stop: 37054, Start Num: 141
Candidate Starts for Fibonacci_57:
(Start: 141 @37326 has 140 MA's), (Start: 158 @37317 has 17 MA's), (240, 37146),

Gene: Filch_38 Start: 32893, Stop: 33138, Start Num: 164
Candidate Starts for Filch_38:
(Start: 164 @32893 has 174 MA's), (Start: 186 @32950 has 3 MA's), (199, 32983), (201, 32989), (231, 33043), (240, 33055),

Gene: Finalfrontier_36 Start: 26101, Stop: 26331, Start Num: 168
Candidate Starts for Finalfrontier_36:
(Start: 168 @26101 has 77 MA's),

Gene: Finemlucis_32 Start: 28698, Stop: 28964, Start Num: 163

Candidate Starts for Finemlucis_32:
(Start: 163 @28698 has 62 MA's), (Start: 180 @28743 has 8 MA's), (200, 28794), (241, 28860), (279, 28932), (287, 28953),

Gene: FireRed_37 Start: 33163, Stop: 33408, Start Num: 164
Candidate Starts for FireRed_37:
(Start: 164 @33163 has 174 MA's), (Start: 186 @33220 has 3 MA's), (199, 33253), (201, 33259), (231, 33313), (240, 33325),

Gene: FiringLine_58 Start: 38424, Stop: 38152, Start Num: 141
Candidate Starts for FiringLine_58:
(Start: 141 @38424 has 140 MA's), (Start: 158 @38415 has 17 MA's), (Start: 169 @38403 has 17 MA's), (Start: 172 @38397 has 11 MA's), (220, 38274),

Gene: FiveHead_43 Start: 26555, Stop: 26893, Start Num: 154
Candidate Starts for FiveHead_43:
(68, 26408), (Start: 154 @26555 has 15 MA's),

Gene: FlameThrower_34 Start: 25814, Stop: 26044, Start Num: 168
Candidate Starts for FlameThrower_34:
(84, 25685), (87, 25694), (91, 25700), (97, 25709), (103, 25721), (Start: 107 @25727 has 1 MA's), (116, 25739), (Start: 159 @25805 has 8 MA's), (Start: 168 @25814 has 77 MA's), (199, 25901), (212, 25928), (225, 25955), (261, 26006), (276, 26036),

Gene: Flaverint_58 Start: 37784, Stop: 37512, Start Num: 141
Candidate Starts for Flaverint_58:
(Start: 141 @37784 has 140 MA's), (Start: 158 @37775 has 17 MA's), (240, 37604),

Gene: Floof_43 Start: 27647, Stop: 27949, Start Num: 143
Candidate Starts for Floof_43:
(Start: 143 @27647 has 1 MA's), (Start: 157 @27665 has 56 MA's), (195, 27767), (201, 27785), (214, 27818), (272, 27932),

Gene: Flutur_33 Start: 24982, Stop: 25248, Start Num: 148
Candidate Starts for Flutur_33:
(38, 24724), (47, 24760), (Start: 148 @24982 has 16 MA's), (236, 25165),

Gene: Flypotenuse_35 Start: 32731, Stop: 32976, Start Num: 164
Candidate Starts for Flypotenuse_35:
(Start: 164 @32731 has 174 MA's), (Start: 186 @32788 has 3 MA's), (199, 32821), (201, 32827), (229, 32875), (231, 32881), (240, 32893),

Gene: FoghornLeghorn_36 Start: 32639, Stop: 32884, Start Num: 164
Candidate Starts for FoghornLeghorn_36:
(Start: 164 @32639 has 174 MA's), (Start: 186 @32696 has 3 MA's), (199, 32729), (201, 32735), (231, 32789), (240, 32801),

Gene: Footloose_59 Start: 33811, Stop: 34044, Start Num: 164
Candidate Starts for Footloose_59:
(Start: 164 @33811 has 174 MA's), (173, 33826), (191, 33895), (216, 33931), (223, 33940), (239, 33967),

Gene: Forester_41 Start: 28747, Stop: 29004, Start Num: 145

Candidate Starts for Forester_41:
(Start: 145 @28747 has 16 MA's), (181, 28801), (236, 28927), (243, 28939), (255, 28951),

Gene: Fork_31 Start: 9648, Stop: 9902, Start Num: 165
Candidate Starts for Fork_31:
(146, 9633), (Start: 165 @9648 has 73 MA's), (181, 9693), (201, 9744), (210, 9762), (219, 9780),

Gene: Franklin22_35 Start: 24188, Stop: 24418, Start Num: 168
Candidate Starts for Franklin22_35:
(10, 23681), (11, 23687), (17, 23756), (23, 23801), (34, 23906), (48, 23963), (64, 24020), (102, 24095), (108, 24104), (110, 24107), (Start: 168 @24188 has 77 MA's), (193, 24260), (225, 24329), (261, 24380), (276, 24410),

Gene: Fryberger_117 Start: 56141, Stop: 56380, Start Num: 170
Candidate Starts for Fryberger_117:
(Start: 170 @56141 has 6 MA's), (219, 56264), (260, 56336), (262, 56339),

Gene: Fullmetal_9 Start: 6128, Stop: 5772, Start Num: 157
Candidate Starts for Fullmetal_9:
(Start: 157 @6128 has 56 MA's), (177, 6089), (183, 6074), (216, 5987), (220, 5978), (277, 5870), (280, 5861), (290, 5822),

Gene: GMA4_22 Start: 21398, Stop: 21685, Start Num: 164
Candidate Starts for GMA4_22:
(Start: 133 @21356 has 1 MA's), (Start: 164 @21398 has 174 MA's), (173, 21413), (183, 21449), (Start: 186 @21458 has 3 MA's), (221, 21545), (264, 21623), (275, 21647), (281, 21659), (284, 21674),

Gene: Gabriela_32 Start: 28684, Stop: 28950, Start Num: 163
Candidate Starts for Gabriela_32:
(Start: 163 @28684 has 62 MA's), (Start: 180 @28729 has 8 MA's), (200, 28780), (241, 28846), (279, 28918), (287, 28939),

Gene: Gack_33 Start: 23939, Stop: 24169, Start Num: 168
Candidate Starts for Gack_33:
(4, 23093), (7, 23219), (8, 23249), (17, 23507), (23, 23552), (34, 23657), (48, 23714), (64, 23771), (108, 23855), (110, 23858), (Start: 159 @23930 has 8 MA's), (Start: 168 @23939 has 77 MA's), (193, 24011), (212, 24053), (261, 24131),

Gene: Gage_39 Start: 33125, Stop: 33370, Start Num: 164
Candidate Starts for Gage_39:
(Start: 164 @33125 has 174 MA's), (Start: 186 @33182 has 3 MA's), (199, 33215), (201, 33221), (231, 33275), (240, 33287),

Gene: Gardann_32 Start: 28424, Stop: 28690, Start Num: 163
Candidate Starts for Gardann_32:
(Start: 163 @28424 has 62 MA's), (Start: 180 @28469 has 8 MA's), (200, 28520), (241, 28586), (279, 28658), (287, 28679),

Gene: GardenState_42 Start: 27075, Stop: 27341, Start Num: 145
Candidate Starts for GardenState_42:
(Start: 145 @27075 has 16 MA's),

Gene: Gator_35 Start: 32743, Stop: 32988, Start Num: 164

Candidate Starts for Gator_35:
(Start: 164 @32743 has 174 MA's), (Start: 186 @32800 has 3 MA's), (199, 32833), (201, 32839), (231, 32893), (240, 32905),

Gene: Geeche_123 Start: 70760, Stop: 71053, Start Num: 149
Candidate Starts for Geeche_123:
(Start: 149 @70760 has 12 MA's), (177, 70808), (235, 70937),

Gene: Gemini_40 Start: 33642, Stop: 33887, Start Num: 164
Candidate Starts for Gemini_40:
(Start: 164 @33642 has 174 MA's), (Start: 186 @33699 has 3 MA's), (199, 33732), (201, 33738), (231, 33792), (240, 33804),

Gene: Georgie2_59 Start: 38469, Stop: 38197, Start Num: 141
Candidate Starts for Georgie2_59:
(Start: 141 @38469 has 140 MA's), (Start: 158 @38460 has 17 MA's), (Start: 169 @38448 has 17 MA's), (Start: 172 @38442 has 11 MA's),

Gene: Gerri43_3 Start: 977, Stop: 1246, Start Num: 161
Candidate Starts for Gerri43_3:
(Start: 161 @977 has 9 MA's),

Gene: Gilberta_58 Start: 37777, Stop: 37505, Start Num: 141
Candidate Starts for Gilberta_58:
(Start: 141 @37777 has 140 MA's), (Start: 158 @37768 has 17 MA's), (240, 37597),

Gene: Gimesa_41 Start: 36233, Stop: 36436, Start Num: 177
Candidate Starts for Gimesa_41:
(130, 36149), (Start: 158 @36191 has 17 MA's), (177, 36233), (187, 36260), (235, 36359), (236, 36362), (241, 36365), (275, 36416),

Gene: Glexan_35 Start: 32731, Stop: 32976, Start Num: 164
Candidate Starts for Glexan_35:
(Start: 164 @32731 has 174 MA's), (Start: 186 @32788 has 3 MA's), (199, 32821), (201, 32827), (229, 32875), (231, 32881), (240, 32893),

Gene: Goib_64 Start: 40122, Stop: 40346, Start Num: 166
Candidate Starts for Goib_64:
(Start: 166 @40122 has 9 MA's), (181, 40164), (199, 40209), (202, 40218), (231, 40269), (236, 40278),

Gene: Goku_38 Start: 33376, Stop: 33624, Start Num: 161
Candidate Starts for Goku_38:
(118, 33307), (120, 33310), (Start: 133 @33337 has 1 MA's), (Start: 161 @33376 has 9 MA's), (Start: 186 @33436 has 3 MA's), (199, 33469), (201, 33475), (231, 33529), (240, 33541),

Gene: GoldDust_40 Start: 33666, Stop: 33986, Start Num: 150
Candidate Starts for GoldDust_40:
(Start: 150 @33666 has 14 MA's), (183, 33732), (273, 33912), (288, 33957),

Gene: GoldenSpark_39 Start: 33125, Stop: 33370, Start Num: 164
Candidate Starts for GoldenSpark_39:
(Start: 164 @33125 has 174 MA's), (Start: 186 @33182 has 3 MA's), (199, 33215), (201, 33221), (231, 33275), (240, 33287),

Gene: Goldilocks_38 Start: 32545, Stop: 32790, Start Num: 164
Candidate Starts for Goldilocks_38:
(Start: 164 @32545 has 174 MA's), (Start: 186 @32602 has 3 MA's), (199, 32635), (201, 32641), (231, 32695), (240, 32707),

Gene: Gollum_46 Start: 34296, Stop: 34000, Start Num: 153
Candidate Starts for Gollum_46:
(Start: 153 @34296 has 38 MA's), (Start: 169 @34278 has 17 MA's), (Start: 172 @34272 has 11 MA's), (217, 34155), (236, 34122), (241, 34116), (274, 34056), (289, 34008),

Gene: Gonephishing_53 Start: 42117, Stop: 42329, Start Num: 178
Candidate Starts for Gonephishing_53:
(Start: 172 @42090 has 11 MA's), (Start: 178 @42117 has 1 MA's), (199, 42171), (200, 42174), (235, 42231), (255, 42267),

Gene: GooberAzure_39 Start: 33125, Stop: 33370, Start Num: 164
Candidate Starts for GooberAzure_39:
(Start: 164 @33125 has 174 MA's), (Start: 186 @33182 has 3 MA's), (199, 33215), (201, 33221), (231, 33275), (240, 33287),

Gene: Gooberta_40 Start: 33665, Stop: 33985, Start Num: 150
Candidate Starts for Gooberta_40:
(Start: 150 @33665 has 14 MA's), (183, 33731), (273, 33911), (288, 33956),

Gene: Greely_81 Start: 31000, Stop: 31251, Start Num: 162
Candidate Starts for Greely_81:
(Start: 162 @31000 has 9 MA's), (182, 31045), (216, 31126),

Gene: Greep_38 Start: 33455, Stop: 33700, Start Num: 164
Candidate Starts for Greep_38:
(Start: 164 @33455 has 174 MA's), (Start: 186 @33512 has 3 MA's), (199, 33545), (201, 33551), (231, 33605), (240, 33617),

Gene: Gretchen_42 Start: 28431, Stop: 28688, Start Num: 145
Candidate Starts for Gretchen_42:
(Start: 145 @28431 has 16 MA's), (181, 28485), (236, 28611), (243, 28623), (255, 28635),

Gene: GrimEater_30 Start: 23740, Stop: 23991, Start Num: 167
Candidate Starts for GrimEater_30:
(Start: 167 @23740 has 26 MA's), (257, 23935), (258, 23938), (263, 23947),

Gene: Grist_35 Start: 25278, Stop: 25508, Start Num: 168
Candidate Starts for Grist_35:
(82, 25149), (84, 25152), (92, 25170), (99, 25182), (101, 25185), (109, 25194), (Start: 159 @25269 has 8 MA's), (Start: 168 @25278 has 77 MA's), (225, 25419),

Gene: Gsput1_55 Start: 37586, Stop: 37813, Start Num: 169
Candidate Starts for Gsput1_55:
(Start: 169 @37586 has 17 MA's), (181, 37628), (198, 37670), (236, 37739), (243, 37748), (267, 37796),

Gene: Guey18_121 Start: 57464, Stop: 57703, Start Num: 170

Candidate Starts for Guey18_121:
(Start: 170 @57464 has 6 MA's), (219, 57587), (260, 57659), (262, 57662),

Gene: GuuelaD_32 Start: 28456, Stop: 28722, Start Num: 163
Candidate Starts for GuuelaD_32:
(Start: 163 @28456 has 62 MA's), (Start: 180 @28501 has 8 MA's), (200, 28552), (241, 28618), (279, 28690), (287, 28711),

Gene: Hafay_32 Start: 28500, Stop: 28721, Start Num: 180
Candidate Starts for Hafay_32:
(Start: 163 @28455 has 62 MA's), (Start: 180 @28500 has 8 MA's), (200, 28551), (241, 28617), (279, 28689), (287, 28710),

Gene: Halena_30 Start: 27701, Stop: 27970, Start Num: 163
Candidate Starts for Halena_30:
(Start: 163 @27701 has 62 MA's), (Start: 180 @27746 has 8 MA's), (235, 27854),

Gene: Halley_52 Start: 44132, Stop: 44377, Start Num: 164
Candidate Starts for Halley_52:
(Start: 164 @44132 has 174 MA's), (187, 44195), (199, 44225), (200, 44228), (236, 44288), (240, 44291), (241, 44294),

Gene: HanKaySha_38 Start: 32877, Stop: 33122, Start Num: 164
Candidate Starts for HanKaySha_38:
(Start: 164 @32877 has 174 MA's), (Start: 186 @32934 has 3 MA's), (199, 32967), (201, 32973), (231, 33027), (240, 33039),

Gene: Hannaconda_48 Start: 38620, Stop: 38868, Start Num: 164
Candidate Starts for Hannaconda_48:
(Start: 164 @38620 has 174 MA's), (220, 38752),

Gene: Hanray_58 Start: 38278, Stop: 38006, Start Num: 141
Candidate Starts for Hanray_58:
(Start: 141 @38278 has 140 MA's), (Start: 158 @38269 has 17 MA's), (184, 38212), (198, 38176), (216, 38137), (231, 38110), (240, 38098),

Gene: Harella_36 Start: 33247, Stop: 33492, Start Num: 164
Candidate Starts for Harella_36:
(Start: 164 @33247 has 174 MA's), (Start: 186 @33304 has 3 MA's), (199, 33337), (201, 33343), (229, 33391), (231, 33397), (240, 33409),

Gene: Harlequin_45 Start: 34082, Stop: 33786, Start Num: 153
Candidate Starts for Harlequin_45:
(Start: 153 @34082 has 38 MA's), (Start: 169 @34064 has 17 MA's), (Start: 172 @34058 has 11 MA's), (217, 33941), (236, 33908), (241, 33902), (274, 33842), (289, 33794),

Gene: Heffalump_57 Start: 39242, Stop: 38970, Start Num: 141
Candidate Starts for Heffalump_57:
(Start: 141 @39242 has 140 MA's), (Start: 158 @39233 has 17 MA's), (Start: 169 @39221 has 17 MA's), (Start: 172 @39215 has 11 MA's), (220, 39092), (240, 39062),

Gene: Henry_38 Start: 33135, Stop: 33380, Start Num: 164
Candidate Starts for Henry_38:

(Start: 164 @33135 has 174 MA's), (Start: 186 @33192 has 3 MA's), (199, 33225), (201, 33231), (229, 33279), (231, 33285), (240, 33297),

Gene: Herbertwm_56 Start: 38206, Stop: 37934, Start Num: 141
Candidate Starts for Herbertwm_56:
(52, 38407), (Start: 141 @38206 has 140 MA's), (Start: 158 @38197 has 17 MA's), (Start: 169 @38185 has 17 MA's), (181, 38146), (183, 38143), (199, 38101), (201, 38095), (220, 38056), (240, 38026),

Gene: Hidrated_50 Start: 43928, Stop: 44164, Start Num: 172
Candidate Starts for Hidrated_50:
(Start: 172 @43928 has 11 MA's), (Start: 178 @43955 has 1 MA's), (199, 44009), (200, 44012), (235, 44069), (255, 44105), (279, 44153),

Gene: Highbury_38 Start: 32793, Stop: 33038, Start Num: 164
Candidate Starts for Highbury_38:
(Start: 164 @32793 has 174 MA's), (Start: 186 @32850 has 3 MA's), (199, 32883), (201, 32889), (231, 32943), (240, 32955),

Gene: HippoHollow_58 Start: 39876, Stop: 39604, Start Num: 141
Candidate Starts for HippoHollow_58:
(16, 40299), (18, 40290), (41, 40116), (52, 40077), (Start: 141 @39876 has 140 MA's), (Start: 169 @39855 has 17 MA's), (Start: 172 @39849 has 11 MA's), (220, 39726), (240, 39696),

Gene: Hiraya_32 Start: 28467, Stop: 28688, Start Num: 180
Candidate Starts for Hiraya_32:
(Start: 163 @28422 has 62 MA's), (Start: 180 @28467 has 8 MA's), (200, 28518), (241, 28584), (279, 28656), (287, 28677),

Gene: Hirko_38 Start: 32932, Stop: 33225, Start Num: 150
Candidate Starts for Hirko_38:
(Start: 138 @32917 has 2 MA's), (Start: 150 @32932 has 14 MA's), (206, 33052), (244, 33100), (288, 33196),

Gene: Hiro_46 Start: 34558, Stop: 34262, Start Num: 153
Candidate Starts for Hiro_46:
(Start: 153 @34558 has 38 MA's), (Start: 169 @34540 has 17 MA's), (Start: 172 @34534 has 11 MA's), (187, 34486), (217, 34417), (236, 34384), (241, 34378), (274, 34318), (289, 34270),

Gene: HitchHiker_10 Start: 6310, Stop: 5987, Start Num: 157
Candidate Starts for HitchHiker_10:
(62, 6478), (70, 6460), (83, 6427), (Start: 157 @6310 has 56 MA's), (181, 6259), (187, 6244), (206, 6196), (263, 6088), (286, 6040), (290, 6022),

Gene: HokkenD_45 Start: 42401, Stop: 42646, Start Num: 164
Candidate Starts for HokkenD_45:
(Start: 164 @42401 has 174 MA's), (187, 42464), (199, 42494), (200, 42497), (236, 42557), (240, 42560), (241, 42563),

Gene: Holex_58 Start: 38294, Stop: 38022, Start Num: 141
Candidate Starts for Holex_58:
(Start: 141 @38294 has 140 MA's), (Start: 158 @38285 has 17 MA's), (184, 38228), (198, 38192), (216, 38153), (231, 38126), (240, 38114),

Gene: HollowPurple_36 Start: 10186, Stop: 10440, Start Num: 165
Candidate Starts for HollowPurple_36:
(146, 10171), (Start: 165 @10186 has 73 MA's), (181, 10231), (201, 10282), (210, 10300), (219, 10318),

Gene: Holt_38 Start: 32412, Stop: 32657, Start Num: 164
Candidate Starts for Holt_38:
(Start: 164 @32412 has 174 MA's), (Start: 186 @32469 has 3 MA's), (199, 32502), (201, 32508), (229, 32556), (231, 32562), (240, 32574),

Gene: Honk_39 Start: 24394, Stop: 24654, Start Num: 155
Candidate Starts for Honk_39:
(Start: 155 @24394 has 1 MA's), (176, 24433),

Gene: Hoonter_39 Start: 33125, Stop: 33370, Start Num: 164
Candidate Starts for Hoonter_39:
(Start: 164 @33125 has 174 MA's), (Start: 186 @33182 has 3 MA's), (199, 33215), (201, 33221), (231, 33275), (240, 33287),

Gene: Hopey_39 Start: 33412, Stop: 33657, Start Num: 164
Candidate Starts for Hopey_39:
(Start: 164 @33412 has 174 MA's), (Start: 186 @33469 has 3 MA's), (199, 33502), (201, 33508), (231, 33562), (240, 33574),

Gene: HortumSL17_58 Start: 38225, Stop: 37953, Start Num: 141
Candidate Starts for HortumSL17_58:
(Start: 141 @38225 has 140 MA's), (Start: 158 @38216 has 17 MA's), (184, 38159), (198, 38123), (216, 38084), (231, 38057), (240, 38045),

Gene: Hortus1_28 Start: 9181, Stop: 9435, Start Num: 165
Candidate Starts for Hortus1_28:
(129, 9133), (Start: 149 @9166 has 12 MA's), (Start: 165 @9181 has 73 MA's), (181, 9226), (196, 9262), (240, 9349),

Gene: Hubbs_30 Start: 9589, Stop: 9837, Start Num: 165
Candidate Starts for Hubbs_30:
(Start: 133 @9550 has 1 MA's), (Start: 165 @9589 has 73 MA's), (181, 9634), (196, 9670), (271, 9817),

Gene: HufflyPuff_36 Start: 33119, Stop: 33364, Start Num: 164
Candidate Starts for HufflyPuff_36:
(Start: 164 @33119 has 174 MA's), (Start: 186 @33176 has 3 MA's), (199, 33209), (201, 33215), (231, 33269), (240, 33281),

Gene: Huffy_63 Start: 39006, Stop: 39230, Start Num: 166
Candidate Starts for Huffy_63:
(Start: 166 @39006 has 9 MA's), (181, 39048), (199, 39093), (202, 39102), (231, 39153), (236, 39162), (249, 39183),

Gene: Hughesyang_50 Start: 44061, Stop: 44306, Start Num: 164
Candidate Starts for Hughesyang_50:
(Start: 164 @44061 has 174 MA's), (187, 44124), (199, 44154), (200, 44157), (236, 44217), (240, 44220), (241, 44223),

Gene: Hurricane_68 Start: 44101, Stop: 44340, Start Num: 165
Candidate Starts for Hurricane_68:
(Start: 165 @44101 has 73 MA's), (177, 44134), (209, 44188), (241, 44248), (245, 44260),

Gene: Hutc2_57 Start: 37326, Stop: 37054, Start Num: 141
Candidate Starts for Hutc2_57:
(Start: 141 @37326 has 140 MA's), (Start: 158 @37317 has 17 MA's), (240, 37146),

Gene: IAmGroot_42 Start: 27740, Stop: 28006, Start Num: 145
Candidate Starts for IAmGroot_42:
(Start: 145 @27740 has 16 MA's),

Gene: IHOP_37 Start: 33369, Stop: 33557, Start Num: 186
Candidate Starts for IHOP_37:
(Start: 164 @33312 has 174 MA's), (Start: 186 @33369 has 3 MA's), (199, 33402), (201, 33408), (231, 33462), (240, 33474),

Gene: Icarian_39 Start: 26879, Stop: 27112, Start Num: 168
Candidate Starts for Icarian_39:
(82, 26750), (84, 26753), (92, 26771), (99, 26783), (101, 26786), (109, 26795), (Start: 159 @26870 has 8 MA's), (Start: 168 @26879 has 77 MA's), (181, 26921),

Gene: Icee_36 Start: 32793, Stop: 33038, Start Num: 164
Candidate Starts for Icee_36:
(Start: 164 @32793 has 174 MA's), (Start: 186 @32850 has 3 MA's), (199, 32883), (201, 32889), (231, 32943), (240, 32955),

Gene: Inca_36 Start: 31814, Stop: 32059, Start Num: 164
Candidate Starts for Inca_36:
(Start: 164 @31814 has 174 MA's), (Start: 186 @31871 has 3 MA's), (199, 31904), (201, 31910), (231, 31964), (240, 31976),

Gene: Indlulamithi_37 Start: 32452, Stop: 32694, Start Num: 164
Candidate Starts for Indlulamithi_37:
(Start: 164 @32452 has 174 MA's), (184, 32506), (216, 32593), (262, 32677), (264, 32680),

Gene: IndyLu_35 Start: 25415, Stop: 25645, Start Num: 168
Candidate Starts for IndyLu_35:
(82, 25286), (84, 25289), (92, 25307), (99, 25319), (101, 25322), (109, 25331), (Start: 159 @25406 has 8 MA's), (Start: 168 @25415 has 77 MA's), (225, 25556),

Gene: Insomnia_58 Start: 37837, Stop: 37565, Start Num: 141
Candidate Starts for Insomnia_58:
(Start: 141 @37837 has 140 MA's), (Start: 158 @37828 has 17 MA's), (240, 37657),

Gene: Issa7_34 Start: 9642, Stop: 9896, Start Num: 165
Candidate Starts for Issa7_34:
(146, 9627), (Start: 165 @9642 has 73 MA's), (181, 9687), (201, 9738), (210, 9756), (219, 9774),

Gene: Itos_32 Start: 28422, Stop: 28688, Start Num: 163
Candidate Starts for Itos_32:
(Start: 163 @28422 has 62 MA's), (Start: 180 @28467 has 8 MA's), (200, 28518), (241, 28584), (279, 28656), (287, 28677),

Gene: JF1_70 Start: 43533, Stop: 43847, Start Num: 154
Candidate Starts for JF1_70:
(Start: 154 @43533 has 15 MA's), (Start: 169 @43548 has 17 MA's), (177, 43578), (209, 43635),

Gene: JSwag_63 Start: 37391, Stop: 37122, Start Num: 152
Candidate Starts for JSwag_63:
(15, 37835), (19, 37811), (26, 37733), (Start: 152 @37391 has 22 MA's), (240, 37214),

Gene: Jabb_37 Start: 25564, Stop: 25806, Start Num: 168
Candidate Starts for Jabb_37:
(Start: 168 @25564 has 77 MA's), (276, 25798),

Gene: Jabith_58 Start: 37838, Stop: 37566, Start Num: 141
Candidate Starts for Jabith_58:
(Start: 141 @37838 has 140 MA's), (Start: 158 @37829 has 17 MA's), (240, 37658),

Gene: Jacko_31 Start: 9673, Stop: 9921, Start Num: 165
Candidate Starts for Jacko_31:
(Start: 165 @9673 has 73 MA's), (173, 9685), (181, 9718), (244, 9853),

Gene: Janeemi_35 Start: 26823, Stop: 27089, Start Num: 148
Candidate Starts for Janeemi_35:
(Start: 148 @26823 has 16 MA's),

Gene: Jankie_31 Start: 23923, Stop: 24174, Start Num: 167
Candidate Starts for Jankie_31:
(Start: 167 @23923 has 26 MA's), (257, 24118), (258, 24121),

Gene: JasmineDragon_39 Start: 26463, Stop: 26750, Start Num: 154
Candidate Starts for JasmineDragon_39:
(Start: 154 @26463 has 15 MA's), (249, 26655),

Gene: JeTaime_39 Start: 33936, Stop: 34181, Start Num: 164
Candidate Starts for JeTaime_39:
(Start: 164 @33936 has 174 MA's), (Start: 186 @33993 has 3 MA's), (199, 34026), (201, 34032), (231, 34086), (240, 34098),

Gene: Jerm_60 Start: 38841, Stop: 38569, Start Num: 141
Candidate Starts for Jerm_60:
(Start: 141 @38841 has 140 MA's), (Start: 158 @38832 has 17 MA's), (Start: 169 @38820 has 17 MA's), (Start: 172 @38814 has 11 MA's), (220, 38691),

Gene: JessellCookie_9 Start: 6219, Stop: 5899, Start Num: 157
Candidate Starts for JessellCookie_9:
(Start: 157 @6219 has 56 MA's), (181, 6168), (183, 6165), (261, 6000), (290, 5931),

Gene: Jester_45 Start: 34013, Stop: 33717, Start Num: 153
Candidate Starts for Jester_45:
(Start: 153 @34013 has 38 MA's), (Start: 169 @33995 has 17 MA's), (Start: 172 @33989 has 11 MA's), (217, 33872), (236, 33839), (241, 33833), (274, 33773), (289, 33725),

Gene: Jiawan_58 Start: 38310, Stop: 38038, Start Num: 141

Candidate Starts for Jiawan_58:
(Start: 141 @38310 has 140 MA's), (Start: 158 @38301 has 17 MA's), (184, 38244), (198, 38208), (216, 38169), (231, 38142), (240, 38130),

Gene: JimmyPG_9 Start: 6105, Stop: 5752, Start Num: 159
Candidate Starts for JimmyPG_9:
(96, 6201), (Start: 157 @6108 has 56 MA's), (Start: 159 @6105 has 8 MA's), (177, 6069), (219, 5961), (243, 5916), (280, 5841), (290, 5802),

Gene: Jinkies_45 Start: 34146, Stop: 34457, Start Num: 150
Candidate Starts for Jinkies_45:
(Start: 150 @34146 has 14 MA's), (Start: 167 @34164 has 26 MA's), (198, 34263), (201, 34272), (280, 34398), (290, 34434),

Gene: Jobypre_31 Start: 28829, Stop: 29050, Start Num: 180
Candidate Starts for Jobypre_31:
(Start: 163 @28784 has 62 MA's), (Start: 172 @28796 has 11 MA's), (Start: 180 @28829 has 8 MA's),

Gene: JoeDirt_30 Start: 27672, Stop: 27941, Start Num: 163
Candidate Starts for JoeDirt_30:
(Start: 163 @27672 has 62 MA's), (Start: 180 @27717 has 8 MA's), (235, 27825),

Gene: Joemato_33 Start: 24755, Stop: 25021, Start Num: 148
Candidate Starts for Joemato_33:
(38, 24497), (Start: 148 @24755 has 16 MA's), (236, 24938),

Gene: JohnDoe_33 Start: 24746, Stop: 25012, Start Num: 148
Candidate Starts for JohnDoe_33:
(38, 24488), (Start: 148 @24746 has 16 MA's), (236, 24929),

Gene: JohnThicc_39 Start: 26555, Stop: 26893, Start Num: 154
Candidate Starts for JohnThicc_39:
(68, 26408), (Start: 154 @26555 has 15 MA's),

Gene: Johnathan_35 Start: 24821, Stop: 25051, Start Num: 168
Candidate Starts for Johnathan_35:
(Start: 168 @24821 has 77 MA's),

Gene: JonJames_133 Start: 77174, Stop: 77473, Start Num: 149
Candidate Starts for JonJames_133:
(Start: 149 @77174 has 12 MA's), (181, 77234), (195, 77276), (201, 77285), (216, 77321), (235, 77351),

Gene: JordanFarm_9 Start: 6089, Stop: 5751, Start Num: 157
Candidate Starts for JordanFarm_9:
(85, 6161), (Start: 157 @6089 has 56 MA's), (177, 6050), (201, 5978), (220, 5939), (291, 5798),

Gene: Joselito_58 Start: 37786, Stop: 37514, Start Num: 141
Candidate Starts for Joselito_58:
(Start: 141 @37786 has 140 MA's), (Start: 158 @37777 has 17 MA's), (240, 37606),

Gene: Journey13_52 Start: 36811, Stop: 36539, Start Num: 141
Candidate Starts for Journey13_52:

(Start: 141 @36811 has 140 MA's), (Start: 158 @36802 has 17 MA's), (Start: 172 @36784 has 11 MA's), (201, 36700), (220, 36661), (240, 36631),

Gene: Jovita_37 Start: 25579, Stop: 25821, Start Num: 168
Candidate Starts for Jovita_37:
(Start: 168 @25579 has 77 MA's), (276, 25813),

Gene: JoyLin_51 Start: 37210, Stop: 37458, Start Num: 164
Candidate Starts for JoyLin_51:
(Start: 164 @37210 has 174 MA's), (201, 37309), (203, 37315), (235, 37369), (236, 37372), (243, 37378), (277, 37447),

Gene: Jsquared_56 Start: 37405, Stop: 37133, Start Num: 141
Candidate Starts for Jsquared_56:
(Start: 141 @37405 has 140 MA's), (Start: 169 @37384 has 17 MA's), (Start: 172 @37378 has 11 MA's), (220, 37255), (229, 37243),

Gene: Juicebox_39 Start: 32245, Stop: 32553, Start Num: 105
Candidate Starts for Juicebox_39:
(Start: 105 @32245 has 1 MA's), (Start: 121 @32269 has 12 MA's), (127, 32281), (Start: 138 @32302 has 2 MA's), (Start: 140 @32305 has 6 MA's), (174, 32350), (179, 32368), (196, 32404), (204, 32422), (210, 32443), (212, 32446), (216, 32455), (258, 32518),

Gene: JuicyJay_54 Start: 45887, Stop: 46132, Start Num: 164
Candidate Starts for JuicyJay_54:
(Start: 164 @45887 has 174 MA's), (187, 45950), (199, 45980), (200, 45983), (236, 46043), (240, 46046), (241, 46049),

Gene: KSunshine22_102 Start: 83941, Stop: 84201, Start Num: 162
Candidate Starts for KSunshine22_102:
(Start: 162 @83941 has 9 MA's), (268, 84160), (270, 84163),

Gene: Kahlid_32 Start: 28472, Stop: 28693, Start Num: 180
Candidate Starts for Kahlid_32:
(Start: 163 @28427 has 62 MA's), (Start: 180 @28472 has 8 MA's), (200, 28523), (241, 28589), (279, 28661), (287, 28682),

Gene: Kalah2_52 Start: 44487, Stop: 44732, Start Num: 164
Candidate Starts for Kalah2_52:
(Start: 164 @44487 has 174 MA's), (187, 44550), (199, 44580), (200, 44583), (236, 44643), (240, 44646), (241, 44649),

Gene: Kamdara_34 Start: 25994, Stop: 26224, Start Num: 168
Candidate Starts for Kamdara_34:
(21, 25574), (27, 25637), (28, 25655), (29, 25676), (32, 25685), (36, 25709), (42, 25727), (44, 25733), (50, 25760), (51, 25763), (55, 25784), (56, 25787), (58, 25796), (63, 25814), (67, 25826), (73, 25841), (80, 25856), (84, 25865), (87, 25874), (91, 25880), (97, 25889), (103, 25901), (Start: 107 @25907 has 1 MA's), (Start: 159 @25985 has 8 MA's), (Start: 168 @25994 has 77 MA's), (193, 26066), (199, 26081), (225, 26135), (261, 26186), (276, 26216),

Gene: Kanye_39 Start: 34121, Stop: 34366, Start Num: 164
Candidate Starts for Kanye_39:

(Start: 164 @34121 has 174 MA's), (Start: 186 @34178 has 3 MA's), (199, 34211), (201, 34217), (231, 34271), (240, 34283),

Gene: KashFlow_45 Start: 38241, Stop: 38489, Start Num: 164
Candidate Starts for KashFlow_45:
(Start: 164 @38241 has 174 MA's), (220, 38373),

Gene: Kate33_36 Start: 25175, Stop: 25417, Start Num: 168
Candidate Starts for Kate33_36:
(Start: 168 @25175 has 77 MA's), (225, 25316),

Gene: KatherineG_64 Start: 37864, Stop: 37595, Start Num: 152
Candidate Starts for KatherineG_64:
(Start: 152 @37864 has 22 MA's), (240, 37687),

Gene: Katzastrophic_35 Start: 25943, Stop: 26173, Start Num: 168
Candidate Starts for Katzastrophic_35:
(84, 25814), (87, 25823), (91, 25829), (97, 25838), (103, 25850), (Start: 107 @25856 has 1 MA's), (116, 25868), (Start: 159 @25934 has 8 MA's), (Start: 168 @25943 has 77 MA's), (199, 26030), (225, 26084), (261, 26135), (276, 26165),

Gene: Keelan_118 Start: 57003, Stop: 57242, Start Num: 170
Candidate Starts for Keelan_118:
(117, 56925), (Start: 170 @57003 has 6 MA's), (181, 57042), (187, 57057), (217, 57123), (260, 57198), (271, 57219),

Gene: Kenzers_36 Start: 25402, Stop: 25644, Start Num: 168
Candidate Starts for Kenzers_36:
(Start: 168 @25402 has 77 MA's), (276, 25636),

Gene: Keough_9 Start: 6092, Stop: 5736, Start Num: 157
Candidate Starts for Keough_9:
(Start: 157 @6092 has 56 MA's), (177, 6053), (183, 6038), (220, 5942), (277, 5834), (280, 5825), (290, 5786),

Gene: Kerberos_60 Start: 38268, Stop: 37996, Start Num: 141
Candidate Starts for Kerberos_60:
(Start: 141 @38268 has 140 MA's), (Start: 158 @38259 has 17 MA's), (198, 38166), (240, 38088), (270, 38034),

Gene: Keshu_70 Start: 44135, Stop: 44440, Start Num: 107
Candidate Starts for Keshu_70:
(103, 44129), (Start: 107 @44135 has 1 MA's), (Start: 123 @44156 has 1 MA's), (Start: 165 @44198 has 73 MA's), (177, 44231), (209, 44288), (241, 44348), (245, 44360),

Gene: Keziacharles14_58 Start: 39366, Stop: 39094, Start Num: 141
Candidate Starts for Keziacharles14_58:
(Start: 141 @39366 has 140 MA's), (Start: 158 @39357 has 17 MA's), (184, 39300), (198, 39264), (217, 39222),

Gene: Khuang_61 Start: 36119, Stop: 36397, Start Num: 167
Candidate Starts for Khuang_61:

(112, 36041), (Start: 167 @36119 has 26 MA's), (181, 36164), (200, 36221), (201, 36224), (235, 36290),

Gene: KiSi_71 Start: 44647, Stop: 44877, Start Num: 165
Candidate Starts for KiSi_71:
(Start: 165 @44647 has 73 MA's), (230, 44764), (241, 44782),

Gene: Kieran_34 Start: 25998, Stop: 26228, Start Num: 168
Candidate Starts for Kieran_34:
(21, 25578), (27, 25641), (28, 25659), (29, 25680), (32, 25689), (36, 25713), (42, 25731), (44, 25737), (50, 25764), (51, 25767), (55, 25788), (56, 25791), (63, 25818), (67, 25830), (73, 25845), (80, 25860), (84, 25869), (87, 25878), (91, 25884), (97, 25893), (103, 25905), (Start: 107 @25911 has 1 MA's), (Start: 159 @25989 has 8 MA's), (Start: 168 @25998 has 77 MA's), (193, 26070), (199, 26085), (225, 26139), (261, 26190), (276, 26220),

Gene: Kikiko_7 Start: 5275, Stop: 4988, Start Num: 157
Candidate Starts for Kikiko_7:
(Start: 157 @5275 has 56 MA's), (181, 5227), (192, 5185), (233, 5101),

Gene: Kimba_57 Start: 37358, Stop: 37086, Start Num: 141
Candidate Starts for Kimba_57:
(Start: 141 @37358 has 140 MA's), (Start: 158 @37349 has 17 MA's), (240, 37178),

Gene: Kimchi_39 Start: 33128, Stop: 33373, Start Num: 164
Candidate Starts for Kimchi_39:
(Start: 164 @33128 has 174 MA's), (Start: 186 @33185 has 3 MA's), (199, 33218), (201, 33224), (231, 33278), (240, 33290),

Gene: KingCyrus_60 Start: 40022, Stop: 39750, Start Num: 141
Candidate Starts for KingCyrus_60:
(Start: 141 @40022 has 140 MA's), (Start: 158 @40013 has 17 MA's), (Start: 169 @40001 has 17 MA's), (Start: 172 @39995 has 11 MA's), (220, 39872),

Gene: KingKamren_9 Start: 6124, Stop: 5798, Start Num: 157
Candidate Starts for KingKamren_9:
(Start: 157 @6124 has 56 MA's), (181, 6073), (261, 5905), (290, 5836),

Gene: KirDoubleO7_29 Start: 28812, Stop: 29033, Start Num: 180
Candidate Starts for KirDoubleO7_29:
(Start: 163 @28767 has 62 MA's), (Start: 172 @28779 has 11 MA's), (Start: 180 @28812 has 8 MA's), (199, 28860),

Gene: Klein_52 Start: 43699, Stop: 43944, Start Num: 164
Candidate Starts for Klein_52:
(Start: 164 @43699 has 174 MA's), (187, 43762), (199, 43792), (200, 43795), (236, 43855), (240, 43858), (241, 43861),

Gene: Klodlith_57 Start: 37984, Stop: 37712, Start Num: 141
Candidate Starts for Klodlith_57:
(Start: 141 @37984 has 140 MA's), (184, 37918), (198, 37882), (231, 37816), (240, 37804), (243, 37795),

Gene: Koduck_59 Start: 37723, Stop: 37412, Start Num: 121

Candidate Starts for Koduck_59:
(12, 38146), (33, 37963), (40, 37924), (Start: 121 @37723 has 12 MA's), (Start: 141 @37684 has 140 MA's), (Start: 172 @37657 has 11 MA's), (220, 37534), (229, 37522),

Gene: Kosier_9 Start: 6342, Stop: 6010, Start Num: 157
Candidate Starts for Kosier_9:
(Start: 157 @6342 has 56 MA's), (177, 6303), (181, 6291), (188, 6273), (220, 6192), (279, 6087),

Gene: Kostya_38 Start: 33136, Stop: 33381, Start Num: 164
Candidate Starts for Kostya_38:
(Start: 164 @33136 has 174 MA's), (Start: 186 @33193 has 3 MA's), (199, 33226), (201, 33232), (231, 33286), (240, 33298),

Gene: Krishelle_46 Start: 34658, Stop: 34362, Start Num: 153
Candidate Starts for Krishelle_46:
(Start: 153 @34658 has 38 MA's), (Start: 169 @34640 has 17 MA's), (Start: 172 @34634 has 11 MA's), (217, 34517), (236, 34484), (241, 34478), (274, 34418), (289, 34370),

Gene: Kropertea_30 Start: 27482, Stop: 27745, Start Num: 163
Candidate Starts for Kropertea_30:
(Start: 163 @27482 has 62 MA's), (Start: 180 @27527 has 8 MA's), (240, 27641),

Gene: Krueger_71 Start: 43668, Stop: 43991, Start Num: 104
Candidate Starts for Krueger_71:
(Start: 104 @43668 has 2 MA's), (Start: 165 @43752 has 73 MA's), (Start: 172 @43761 has 11 MA's), (209, 43842), (238, 43896), (245, 43911),

Gene: Krypton555_31 Start: 28682, Stop: 28948, Start Num: 163
Candidate Starts for Krypton555_31:
(Start: 134 @28643 has 1 MA's), (Start: 163 @28682 has 62 MA's), (Start: 172 @28694 has 11 MA's), (Start: 180 @28727 has 8 MA's), (199, 28775),

Gene: Kudefre_114 Start: 63016, Stop: 63252, Start Num: 157
Candidate Starts for Kudefre_114:
(Start: 157 @63016 has 56 MA's), (173, 63031), (Start: 180 @63061 has 8 MA's), (196, 63109), (211, 63145), (255, 63220),

Gene: Kumao_40 Start: 35332, Stop: 35592, Start Num: 154
Candidate Starts for Kumao_40:
(Start: 154 @35332 has 15 MA's), (Start: 164 @35341 has 174 MA's), (183, 35392), (210, 35440), (228, 35470), (232, 35479), (245, 35500), (248, 35503), (249, 35506),

Gene: Kumotta_57 Start: 33061, Stop: 33339, Start Num: 158
Candidate Starts for Kumotta_57:
(Start: 158 @33061 has 17 MA's), (181, 33109), (229, 33223),

Gene: L5_56 Start: 37810, Stop: 37499, Start Num: 121
Candidate Starts for L5_56:
(12, 38233), (33, 38050), (40, 38011), (Start: 121 @37810 has 12 MA's), (Start: 141 @37771 has 140 MA's), (Start: 172 @37744 has 11 MA's), (220, 37621), (229, 37609),

Gene: LadyAstra_39 Start: 26498, Stop: 26785, Start Num: 154
Candidate Starts for LadyAstra_39:

(Start: 154 @26498 has 15 MA's),

Gene: Lahqtemish_35 Start: 25448, Stop: 25690, Start Num: 168
Candidate Starts for Lahqtemish_35:
(Start: 168 @25448 has 77 MA's), (225, 25589),

Gene: Larenn_57 Start: 38431, Stop: 38159, Start Num: 141
Candidate Starts for Larenn_57:
(Start: 141 @38431 has 140 MA's), (Start: 172 @38404 has 11 MA's), (183, 38368), (199, 38326), (220, 38281), (240, 38251), (243, 38242),

Gene: LastNadiia_6 Start: 3336, Stop: 3599, Start Num: 156
Candidate Starts for LastNadiia_6:
(Start: 156 @3336 has 5 MA's), (195, 3429), (248, 3522),

Gene: LastResort_62 Start: 37443, Stop: 37174, Start Num: 152
Candidate Starts for LastResort_62:
(15, 37887), (19, 37863), (26, 37785), (Start: 152 @37443 has 22 MA's), (240, 37266),

Gene: LeBron_30 Start: 27716, Stop: 27985, Start Num: 163
Candidate Starts for LeBron_30:
(Start: 163 @27716 has 62 MA's), (Start: 180 @27761 has 8 MA's), (235, 27869),

Gene: LeMond_70 Start: 44281, Stop: 44508, Start Num: 165
Candidate Starts for LeMond_70:
(Start: 165 @44281 has 73 MA's), (230, 44398), (241, 44416), (259, 44452),

Gene: Lea83_68 Start: 44132, Stop: 44374, Start Num: 165
Candidate Starts for Lea83_68:
(Start: 165 @44132 has 73 MA's), (177, 44165), (209, 44222), (241, 44282), (245, 44294),

Gene: LeeroyJenkins_54 Start: 34043, Stop: 34282, Start Num: 169
Candidate Starts for LeeroyJenkins_54:
(Start: 169 @34043 has 17 MA's), (187, 34100), (198, 34127), (201, 34136),

Gene: Lego_33 Start: 24673, Stop: 24915, Start Num: 167
Candidate Starts for Lego_33:
(Start: 167 @24673 has 26 MA's),

Gene: LeoJr_107 Start: 87292, Stop: 87555, Start Num: 162
Candidate Starts for LeoJr_107:
(Start: 162 @87292 has 9 MA's), (254, 87481),

Gene: Leopard_52 Start: 39719, Stop: 39474, Start Num: 164
Candidate Starts for Leopard_52:
(Start: 164 @39719 has 174 MA's), (187, 39659), (198, 39632), (217, 39593), (231, 39569), (235, 39563), (240, 39557), (251, 39533),

Gene: Leviathan_60 Start: 38898, Stop: 38626, Start Num: 141
Candidate Starts for Leviathan_60:
(Start: 141 @38898 has 140 MA's), (Start: 158 @38889 has 17 MA's), (Start: 169 @38877 has 17 MA's), (Start: 172 @38871 has 11 MA's), (220, 38748),

Gene: Lewan_32 Start: 28467, Stop: 28688, Start Num: 180
Candidate Starts for Lewan_32:
(Start: 163 @28422 has 62 MA's), (Start: 180 @28467 has 8 MA's), (200, 28518), (241, 28584), (279, 28656), (287, 28677),

Gene: Lifes_48 Start: 30666, Stop: 30905, Start Num: 169
Candidate Starts for Lifes_48:
(88, 30549), (98, 30567), (Start: 169 @30666 has 17 MA's), (187, 30723), (201, 30759),

Gene: LilDestine_32 Start: 28421, Stop: 28687, Start Num: 163
Candidate Starts for LilDestine_32:
(Start: 163 @28421 has 62 MA's), (175, 28445), (Start: 180 @28466 has 8 MA's), (200, 28517), (241, 28583), (279, 28655), (287, 28676),

Gene: LilJank_113 Start: 65278, Stop: 65520, Start Num: 157
Candidate Starts for LilJank_113:
(119, 65218), (Start: 157 @65278 has 56 MA's), (193, 65371), (195, 65374), (196, 65377), (211, 65413), (226, 65443), (255, 65488),

Gene: LilPharaoh_56 Start: 40669, Stop: 40914, Start Num: 165
Candidate Starts for LilPharaoh_56:
(Start: 104 @40597 has 2 MA's), (Start: 165 @40669 has 73 MA's), (214, 40774), (241, 40816), (259, 40852),

Gene: LilTurb_59 Start: 38722, Stop: 38450, Start Num: 141
Candidate Starts for LilTurb_59:
(Start: 141 @38722 has 140 MA's), (Start: 158 @38713 has 17 MA's), (Start: 169 @38701 has 17 MA's), (Start: 172 @38695 has 11 MA's), (220, 38572),

Gene: Lilac_39 Start: 32632, Stop: 32877, Start Num: 164
Candidate Starts for Lilac_39:
(Start: 164 @32632 has 174 MA's), (Start: 186 @32689 has 3 MA's), (199, 32722), (201, 32728), (231, 32782), (240, 32794),

Gene: Lilizi_39 Start: 32840, Stop: 33085, Start Num: 164
Candidate Starts for Lilizi_39:
(Start: 164 @32840 has 174 MA's), (Start: 186 @32897 has 3 MA's), (199, 32930), (201, 32936), (231, 32990), (240, 33002),

Gene: Lilleskat_58 Start: 38227, Stop: 37955, Start Num: 141
Candidate Starts for Lilleskat_58:
(Start: 141 @38227 has 140 MA's), (Start: 158 @38218 has 17 MA's), (184, 38161), (198, 38125), (216, 38086), (231, 38059), (240, 38047),

Gene: Lillie_46 Start: 34298, Stop: 34002, Start Num: 153
Candidate Starts for Lillie_46:
(Start: 153 @34298 has 38 MA's), (Start: 169 @34280 has 17 MA's), (Start: 172 @34274 has 11 MA's), (217, 34157), (236, 34124), (241, 34118), (274, 34058), (289, 34010),

Gene: Lilo27_37 Start: 25387, Stop: 25629, Start Num: 168
Candidate Starts for Lilo27_37:
(Start: 168 @25387 has 77 MA's), (276, 25621),

Gene: Lilpickle_36 Start: 32342, Stop: 32587, Start Num: 164
Candidate Starts for Lilpickle_36:
(Start: 164 @32342 has 174 MA's), (Start: 186 @32399 has 3 MA's), (199, 32432), (201, 32438), (231, 32492), (240, 32504),

Gene: LilyLou_9 Start: 6368, Stop: 6045, Start Num: 157
Candidate Starts for LilyLou_9:
(Start: 157 @6368 has 56 MA's), (181, 6317), (196, 6272), (206, 6254), (261, 6149), (286, 6098),

Gene: LimaBean_35 Start: 24870, Stop: 25100, Start Num: 168
Candidate Starts for LimaBean_35:
(Start: 168 @24870 has 77 MA's),

Gene: LindNT_66 Start: 44110, Stop: 44352, Start Num: 165
Candidate Starts for LindNT_66:
(Start: 165 @44110 has 73 MA's), (209, 44200), (259, 44296),

Gene: LionsBait_58 Start: 39877, Stop: 39605, Start Num: 141
Candidate Starts for LionsBait_58:
(16, 40300), (18, 40291), (41, 40117), (52, 40078), (Start: 141 @39877 has 140 MA's), (Start: 169 @39856 has 17 MA's), (Start: 172 @39850 has 11 MA's), (220, 39727), (240, 39697),

Gene: LisoBros_35 Start: 26801, Stop: 27052, Start Num: 167
Candidate Starts for LisoBros_35:
(14, 26342), (Start: 105 @26714 has 1 MA's), (Start: 167 @26801 has 26 MA's), (199, 26891), (225, 26951), (253, 26990), (258, 26999), (263, 27008), (270, 27023), (273, 27032),

Gene: LittleE_56 Start: 43957, Stop: 44196, Start Num: 172
Candidate Starts for LittleE_56:
(Start: 172 @43957 has 11 MA's), (Start: 178 @43984 has 1 MA's), (199, 44038), (200, 44041), (235, 44098), (255, 44134),

Gene: Livelaughbron_38 Start: 33249, Stop: 33494, Start Num: 164
Candidate Starts for Livelaughbron_38:
(Start: 164 @33249 has 174 MA's), (Start: 186 @33306 has 3 MA's), (199, 33339), (201, 33345), (231, 33399), (240, 33411),

Gene: LiyuLake_31 Start: 28737, Stop: 29003, Start Num: 163
Candidate Starts for LiyuLake_31:
(Start: 163 @28737 has 62 MA's), (Start: 172 @28749 has 11 MA's), (Start: 180 @28782 has 8 MA's), (199, 28830),

Gene: Loadrie_32 Start: 28454, Stop: 28720, Start Num: 163
Candidate Starts for Loadrie_32:
(Start: 163 @28454 has 62 MA's), (Start: 180 @28499 has 8 MA's), (200, 28550), (241, 28616), (279, 28688), (287, 28709),

Gene: LogiBear_62 Start: 37598, Stop: 37332, Start Num: 141
Candidate Starts for LogiBear_62:
(Start: 141 @37598 has 140 MA's), (231, 37430), (240, 37418),

Gene: Lokk_55 Start: 37800, Stop: 37528, Start Num: 141
Candidate Starts for Lokk_55:

(Start: 141 @37800 has 140 MA's), (Start: 172 @37773 has 11 MA's), (220, 37650), (240, 37620),

Gene: Lolly9_31 Start: 28548, Stop: 28814, Start Num: 163
Candidate Starts for Lolly9_31:
(Start: 163 @28548 has 62 MA's), (Start: 172 @28560 has 11 MA's), (Start: 180 @28593 has 8 MA's),

Gene: London_34 Start: 26623, Stop: 26880, Start Num: 148
Candidate Starts for London_34:
(38, 26386), (43, 26395), (Start: 148 @26623 has 16 MA's), (181, 26671), (239, 26788),

Gene: LoneWolf_59 Start: 38258, Stop: 37986, Start Num: 141
Candidate Starts for LoneWolf_59:
(Start: 141 @38258 has 140 MA's), (Start: 158 @38249 has 17 MA's), (184, 38192), (198, 38156), (220, 38108), (240, 38078),

Gene: Looper_63 Start: 37355, Stop: 37086, Start Num: 152
Candidate Starts for Looper_63:
(15, 37799), (19, 37775), (26, 37697), (Start: 152 @37355 has 22 MA's), (240, 37178),

Gene: Loviatar_37 Start: 27431, Stop: 27664, Start Num: 168
Candidate Starts for Loviatar_37:
(82, 27302), (84, 27305), (92, 27323), (99, 27335), (101, 27338), (109, 27347), (Start: 159 @27422 has 8 MA's), (Start: 168 @27431 has 77 MA's), (181, 27473),

Gene: Lozinak_125 Start: 71628, Stop: 71921, Start Num: 149
Candidate Starts for Lozinak_125:
(Start: 149 @71628 has 12 MA's), (177, 71676), (235, 71805),

Gene: Lucivia_58 Start: 37835, Stop: 37563, Start Num: 141
Candidate Starts for Lucivia_58:
(Start: 141 @37835 has 140 MA's), (Start: 158 @37826 has 17 MA's), (240, 37655),

Gene: Lucky2013_51 Start: 40948, Stop: 41187, Start Num: 172
Candidate Starts for Lucky2013_51:
(Start: 172 @40948 has 11 MA's), (Start: 178 @40975 has 1 MA's), (199, 41029), (200, 41032), (235, 41089), (255, 41125),

Gene: Lucyedi_59 Start: 38336, Stop: 38067, Start Num: 153
Candidate Starts for Lucyedi_59:
(100, 38408), (Start: 141 @38339 has 140 MA's), (Start: 153 @38336 has 38 MA's), (Start: 158 @38330 has 17 MA's), (198, 38237), (217, 38195), (220, 38189), (240, 38159),

Gene: Lupine_29 Start: 9261, Stop: 9509, Start Num: 165
Candidate Starts for Lupine_29:
(Start: 133 @9222 has 1 MA's), (Start: 165 @9261 has 73 MA's), (181, 9306), (196, 9342), (271, 9489),

Gene: Lyell_35 Start: 10250, Stop: 10504, Start Num: 165
Candidate Starts for Lyell_35:
(146, 10235), (Start: 165 @10250 has 73 MA's), (181, 10295), (201, 10346), (210, 10364), (219, 10382),

Gene: Lynlen_36 Start: 25402, Stop: 25644, Start Num: 168
Candidate Starts for Lynlen_36:

(Start: 168 @25402 has 77 MA's), (276, 25636),

Gene: Lynnae_32 Start: 28455, Stop: 28676, Start Num: 180
Candidate Starts for Lynnae_32:
(Start: 163 @28410 has 62 MA's), (Start: 180 @28455 has 8 MA's), (200, 28506), (241, 28572), (279, 28644), (287, 28665),

Gene: MAckerman_30 Start: 27690, Stop: 27959, Start Num: 163
Candidate Starts for MAckerman_30:
(Start: 163 @27690 has 62 MA's), (Start: 180 @27735 has 8 MA's), (235, 27843),

Gene: MISSy_36 Start: 32648, Stop: 32893, Start Num: 164
Candidate Starts for MISSy_36:
(Start: 164 @32648 has 174 MA's), (Start: 186 @32705 has 3 MA's), (199, 32738), (201, 32744), (231, 32798), (240, 32810),

Gene: MPhalcon_36 Start: 32641, Stop: 32886, Start Num: 164
Candidate Starts for MPhalcon_36:
(Start: 164 @32641 has 174 MA's), (Start: 186 @32698 has 3 MA's), (199, 32731), (201, 32737), (231, 32791), (240, 32803),

Gene: MaCh_58 Start: 37765, Stop: 37493, Start Num: 141
Candidate Starts for MaCh_58:
(Start: 141 @37765 has 140 MA's), (Start: 158 @37756 has 17 MA's), (220, 37615),

Gene: MaGuCo_34 Start: 25599, Stop: 25841, Start Num: 137
Candidate Starts for MaGuCo_34:
(Start: 137 @25599 has 1 MA's), (184, 25650), (236, 25758),

Gene: Mabel_57 Start: 37367, Stop: 37095, Start Num: 141
Candidate Starts for Mabel_57:
(Start: 141 @37367 has 140 MA's), (Start: 158 @37358 has 17 MA's), (240, 37187),

Gene: Mabodamaca_42 Start: 28268, Stop: 28534, Start Num: 145
Candidate Starts for Mabodamaca_42:
(Start: 145 @28268 has 16 MA's), (181, 28322), (228, 28436),

Gene: MacnCheese_70 Start: 44725, Stop: 44967, Start Num: 165
Candidate Starts for MacnCheese_70:
(Start: 165 @44725 has 73 MA's), (177, 44758), (209, 44815), (245, 44887), (259, 44911),

Gene: MadamMonkfish_37 Start: 32553, Stop: 32798, Start Num: 164
Candidate Starts for MadamMonkfish_37:
(Start: 164 @32553 has 174 MA's), (Start: 186 @32610 has 3 MA's), (199, 32643), (201, 32649), (231, 32703), (240, 32715),

Gene: MajorMajor_57 Start: 37421, Stop: 37149, Start Num: 141
Candidate Starts for MajorMajor_57:
(Start: 141 @37421 has 140 MA's), (Start: 169 @37400 has 17 MA's), (Start: 172 @37394 has 11 MA's), (220, 37271), (229, 37259),

Gene: Makima_4 Start: 2462, Stop: 2728, Start Num: 156
Candidate Starts for Makima_4:

(Start: 156 @2462 has 5 MA's), (229, 2612), (272, 2687),

Gene: Malec_58 Start: 38998, Stop: 38726, Start Num: 141
Candidate Starts for Malec_58:
(Start: 141 @38998 has 140 MA's), (Start: 172 @38971 has 11 MA's), (183, 38935), (199, 38893), (220, 38848), (240, 38818), (243, 38809),

Gene: Maminiaina_57 Start: 38227, Stop: 37955, Start Num: 141
Candidate Starts for Maminiaina_57:
(Start: 141 @38227 has 140 MA's), (Start: 158 @38218 has 17 MA's), (184, 38161), (198, 38125), (240, 38047),

Gene: Manda_38 Start: 33620, Stop: 33865, Start Num: 164
Candidate Starts for Manda_38:
(Start: 164 @33620 has 174 MA's), (Start: 186 @33677 has 3 MA's), (199, 33710), (201, 33716), (231, 33770), (240, 33782),

Gene: MargaretKali_53 Start: 31679, Stop: 31957, Start Num: 158
Candidate Starts for MargaretKali_53:
(Start: 158 @31679 has 17 MA's), (181, 31727), (229, 31841),

Gene: MarkPhew_69 Start: 43780, Stop: 44007, Start Num: 165
Candidate Starts for MarkPhew_69:
(Start: 165 @43780 has 73 MA's), (230, 43897), (238, 43912), (241, 43915), (259, 43951),

Gene: Marleymoo_53 Start: 43853, Stop: 44062, Start Num: 178
Candidate Starts for Marleymoo_53:
(Start: 172 @43826 has 11 MA's), (Start: 178 @43853 has 1 MA's), (199, 43907), (200, 43910), (235, 43967), (255, 44003), (279, 44051),

Gene: Marshmallow_37 Start: 33133, Stop: 33378, Start Num: 164
Candidate Starts for Marshmallow_37:
(Start: 164 @33133 has 174 MA's), (Start: 186 @33190 has 3 MA's), (199, 33223), (201, 33229), (231, 33283), (240, 33295),

Gene: MaryV_53 Start: 39346, Stop: 39594, Start Num: 163
Candidate Starts for MaryV_53:
(Start: 163 @39346 has 62 MA's), (191, 39427), (217, 39475), (236, 39508), (239, 39511), (240, 39514), (258, 39547), (278, 39583),

Gene: Maxxinista_38 Start: 32602, Stop: 32847, Start Num: 164
Candidate Starts for Maxxinista_38:
(Start: 164 @32602 has 174 MA's), (Start: 186 @32659 has 3 MA's), (199, 32692), (201, 32698), (231, 32752), (240, 32764),

Gene: Mazun_9 Start: 6131, Stop: 5775, Start Num: 157
Candidate Starts for Mazun_9:
(Start: 157 @6131 has 56 MA's), (177, 6092), (183, 6077), (220, 5981), (280, 5864), (290, 5825),

Gene: Mbo4_60 Start: 42893, Stop: 43174, Start Num: 164
Candidate Starts for Mbo4_60:
(6, 42125), (Start: 164 @42893 has 174 MA's), (177, 42926),

Gene: Mdavu_56 Start: 40930, Stop: 41175, Start Num: 165
Candidate Starts for Mdavu_56:
(Start: 104 @40858 has 2 MA's), (Start: 165 @40930 has 73 MA's), (214, 41035), (241, 41077), (259, 41113),

Gene: MegTheThird_57 Start: 38030, Stop: 37758, Start Num: 141
Candidate Starts for MegTheThird_57:
(Start: 141 @38030 has 140 MA's), (Start: 158 @38021 has 17 MA's), (198, 37928), (220, 37880), (231, 37862),

Gene: Megsy_69 Start: 44032, Stop: 44277, Start Num: 165
Candidate Starts for Megsy_69:
(Start: 165 @44032 has 73 MA's), (209, 44122), (259, 44218), (282, 44269),

Gene: MiaZeal_51 Start: 40623, Stop: 40862, Start Num: 172
Candidate Starts for MiaZeal_51:
(Start: 172 @40623 has 11 MA's), (Start: 178 @40650 has 1 MA's), (199, 40704), (200, 40707), (235, 40764), (255, 40800),

Gene: MiamiPanther_9 Start: 6219, Stop: 5899, Start Num: 157
Candidate Starts for MiamiPanther_9:
(Start: 157 @6219 has 56 MA's), (181, 6168), (183, 6165), (261, 6000), (290, 5931),

Gene: Michkear_34 Start: 25612, Stop: 25884, Start Num: 164
Candidate Starts for Michkear_34:
(Start: 164 @25612 has 174 MA's), (239, 25789), (272, 25837),

Gene: Miko_55 Start: 38578, Stop: 38306, Start Num: 141
Candidate Starts for Miko_55:
(52, 38779), (Start: 141 @38578 has 140 MA's), (Start: 172 @38551 has 11 MA's), (220, 38428), (240, 38398),

Gene: Miley16_32 Start: 28422, Stop: 28688, Start Num: 163
Candidate Starts for Miley16_32:
(Start: 163 @28422 has 62 MA's), (Start: 180 @28467 has 8 MA's), (200, 28518), (241, 28584), (279, 28656), (287, 28677),

Gene: Milomuff_36 Start: 25291, Stop: 25521, Start Num: 168
Candidate Starts for Milomuff_36:
(86, 25171), (99, 25195), (Start: 107 @25204 has 1 MA's), (109, 25207), (112, 25210), (Start: 159 @25282 has 8 MA's), (Start: 168 @25291 has 77 MA's),

Gene: Mindy_37 Start: 32913, Stop: 33158, Start Num: 164
Candidate Starts for Mindy_37:
(Start: 164 @32913 has 174 MA's), (Start: 186 @32970 has 3 MA's), (199, 33003), (201, 33009), (229, 33057), (231, 33063), (240, 33075),

Gene: MinecraftSteve_64 Start: 37679, Stop: 37410, Start Num: 152
Candidate Starts for MinecraftSteve_64:
(Start: 152 @37679 has 22 MA's), (240, 37502),

Gene: Minerva_58 Start: 45548, Stop: 45796, Start Num: 164
Candidate Starts for Minerva_58:

(Start: 164 @45548 has 174 MA's), (220, 45680),

Gene: MiniLon_31 Start: 28548, Stop: 28814, Start Num: 163
Candidate Starts for MiniLon_31:
(Start: 163 @28548 has 62 MA's), (Start: 172 @28560 has 11 MA's), (Start: 180 @28593 has 8 MA's),

Gene: MiniMac_31 Start: 28549, Stop: 28815, Start Num: 163
Candidate Starts for MiniMac_31:
(Start: 163 @28549 has 62 MA's), (Start: 172 @28561 has 11 MA's), (Start: 180 @28594 has 8 MA's),

Gene: MiniMommy_40 Start: 26464, Stop: 26751, Start Num: 154
Candidate Starts for MiniMommy_40:
(Start: 154 @26464 has 15 MA's), (249, 26656),

Gene: Minispark_57 Start: 37983, Stop: 37711, Start Num: 141
Candidate Starts for Minispark_57:
(Start: 141 @37983 has 140 MA's), (Start: 158 @37974 has 17 MA's), (184, 37917), (198, 37881), (220, 37833),

Gene: Miniwave_37 Start: 33332, Stop: 33577, Start Num: 164
Candidate Starts for Miniwave_37:
(Start: 164 @33332 has 174 MA's), (Start: 186 @33389 has 3 MA's), (199, 33422), (201, 33428), (231, 33482), (240, 33494),

Gene: Mireles_3 Start: 895, Stop: 1137, Start Num: 156
Candidate Starts for Mireles_3:
(Start: 156 @895 has 5 MA's),

Gene: Misfit_37 Start: 33222, Stop: 33467, Start Num: 164
Candidate Starts for Misfit_37:
(Start: 164 @33222 has 174 MA's), (Start: 186 @33279 has 3 MA's), (199, 33312), (201, 33318), (231, 33372), (240, 33384),

Gene: Miskis_120 Start: 71060, Stop: 71353, Start Num: 149
Candidate Starts for Miskis_120:
(Start: 149 @71060 has 12 MA's), (177, 71108), (235, 71237),

Gene: MissAmericana_7 Start: 5312, Stop: 5025, Start Num: 158
Candidate Starts for MissAmericana_7:
(Start: 158 @5312 has 17 MA's), (223, 5159), (270, 5072),

Gene: MissWhite_57 Start: 36925, Stop: 36653, Start Num: 141
Candidate Starts for MissWhite_57:
(Start: 141 @36925 has 140 MA's), (Start: 158 @36916 has 17 MA's), (Start: 172 @36898 has 11 MA's), (240, 36745),

Gene: Mistmere_28 Start: 8094, Stop: 8348, Start Num: 164
Candidate Starts for Mistmere_28:
(Start: 164 @8094 has 174 MA's), (181, 8142),

Gene: MkaliMitinis3_32 Start: 28422, Stop: 28688, Start Num: 163
Candidate Starts for MkaliMitinis3_32:

(Start: 163 @28422 has 62 MA's), (Start: 180 @28467 has 8 MA's), (200, 28518), (241, 28584), (279, 28656), (287, 28677),

Gene: Mkhuseli_58 Start: 39493, Stop: 39260, Start Num: 172
Candidate Starts for Mkhuseli_58:
(Start: 143 @39529 has 1 MA's), (146, 39526), (Start: 154 @39514 has 15 MA's), (Start: 172 @39493 has 11 MA's), (187, 39442), (198, 39427), (210, 39406), (229, 39376), (244, 39346),

Gene: Moldemort_38 Start: 32877, Stop: 33122, Start Num: 164
Candidate Starts for Moldemort_38:
(Start: 164 @32877 has 174 MA's), (Start: 186 @32934 has 3 MA's), (199, 32967), (201, 32973), (231, 33027), (240, 33039),

Gene: Moleficent_9 Start: 6125, Stop: 5769, Start Num: 157
Candidate Starts for Moleficent_9:
(Start: 157 @6125 has 56 MA's), (177, 6086), (183, 6071), (220, 5975), (277, 5867), (280, 5858), (290, 5819),

Gene: Molivier_32 Start: 28464, Stop: 28685, Start Num: 180
Candidate Starts for Molivier_32:
(Start: 163 @28419 has 62 MA's), (Start: 180 @28464 has 8 MA's), (200, 28515), (241, 28581), (279, 28653), (287, 28674),

Gene: MollyToe_37 Start: 33306, Stop: 33551, Start Num: 164
Candidate Starts for MollyToe_37:
(Start: 164 @33306 has 174 MA's), (Start: 186 @33363 has 3 MA's), (199, 33396), (201, 33402), (231, 33456), (240, 33468),

Gene: Mollymur_85 Start: 58104, Stop: 57838, Start Num: 140
Candidate Starts for Mollymur_85:
(Start: 140 @58104 has 6 MA's), (229, 57939), (236, 57924), (266, 57873),

Gene: MontyDev_40 Start: 36039, Stop: 36284, Start Num: 158
Candidate Starts for MontyDev_40:
(130, 35997), (Start: 158 @36039 has 17 MA's), (173, 36060), (177, 36081), (Start: 186 @36105 has 3 MA's), (187, 36108), (235, 36207), (236, 36210), (241, 36213), (275, 36264),

Gene: Moostard_31 Start: 28832, Stop: 29053, Start Num: 180
Candidate Starts for Moostard_31:
(Start: 163 @28787 has 62 MA's), (Start: 172 @28799 has 11 MA's), (Start: 180 @28832 has 8 MA's),

Gene: Morrill_9 Start: 6080, Stop: 5724, Start Num: 157
Candidate Starts for Morrill_9:
(Start: 157 @6080 has 56 MA's), (177, 6041), (183, 6026), (280, 5813), (290, 5774),

Gene: Mosby_36 Start: 32639, Stop: 32884, Start Num: 164
Candidate Starts for Mosby_36:
(Start: 164 @32639 has 174 MA's), (Start: 186 @32696 has 3 MA's), (199, 32729), (201, 32735), (229, 32783), (231, 32789), (240, 32801),

Gene: MsUbiquitous_37 Start: 25564, Stop: 25806, Start Num: 168
Candidate Starts for MsUbiquitous_37:
(Start: 168 @25564 has 77 MA's), (276, 25798),

Gene: Mudpuppy_32 Start: 24535, Stop: 24777, Start Num: 167
Candidate Starts for Mudpuppy_32:
(38, 24277), (47, 24313), (Start: 167 @24535 has 26 MA's), (236, 24694),

Gene: Mulciber_57 Start: 37323, Stop: 37051, Start Num: 141
Candidate Starts for Mulciber_57:
(Start: 141 @37323 has 140 MA's), (Start: 158 @37314 has 17 MA's), (240, 37143),

Gene: Munch_58 Start: 37786, Stop: 37514, Start Num: 141
Candidate Starts for Munch_58:
(Start: 141 @37786 has 140 MA's), (Start: 158 @37777 has 17 MA's), (240, 37606),

Gene: Murica_36 Start: 33119, Stop: 33364, Start Num: 164
Candidate Starts for Murica_36:
(Start: 164 @33119 has 174 MA's), (Start: 186 @33176 has 3 MA's), (199, 33209), (201, 33215), (231, 33269), (240, 33281),

Gene: Murphy_38 Start: 33114, Stop: 33359, Start Num: 164
Candidate Starts for Murphy_38:
(Start: 164 @33114 has 174 MA's), (Start: 186 @33171 has 3 MA's), (199, 33204), (201, 33210), (231, 33264), (240, 33276),

Gene: Musetta_35 Start: 10358, Stop: 10612, Start Num: 165
Candidate Starts for Musetta_35:
(146, 10343), (Start: 165 @10358 has 73 MA's), (181, 10403), (240, 10526),

Gene: Music_39 Start: 33258, Stop: 33593, Start Num: 138
Candidate Starts for Music_39:
(Start: 138 @33258 has 2 MA's), (Start: 150 @33273 has 14 MA's), (257, 33486), (258, 33489), (288, 33564),

Gene: Myrale_37 Start: 32998, Stop: 33243, Start Num: 164
Candidate Starts for Myrale_37:
(Start: 164 @32998 has 174 MA's), (Start: 186 @33055 has 3 MA's), (199, 33088), (201, 33094), (231, 33148), (240, 33160),

Gene: Myrna_77 Start: 30774, Stop: 31019, Start Num: 162
Candidate Starts for Myrna_77:
(Start: 162 @30774 has 9 MA's), (216, 30900),

Gene: Myxus_58 Start: 38225, Stop: 37953, Start Num: 141
Candidate Starts for Myxus_58:
(Start: 141 @38225 has 140 MA's), (Start: 158 @38216 has 17 MA's), (184, 38159), (198, 38123), (216, 38084), (231, 38057), (240, 38045),

Gene: Naiad_45 Start: 34311, Stop: 34015, Start Num: 153
Candidate Starts for Naiad_45:
(Start: 153 @34311 has 38 MA's), (Start: 169 @34293 has 17 MA's), (Start: 172 @34287 has 11 MA's), (217, 34170), (236, 34137), (241, 34131), (274, 34071), (289, 34023),

Gene: Naji_60 Start: 38269, Stop: 37997, Start Num: 141
Candidate Starts for Naji_60:

(Start: 141 @38269 has 140 MA's), (Start: 158 @38260 has 17 MA's), (198, 38167), (240, 38089), (270, 38035),

Gene: Nala_37 Start: 33153, Stop: 33398, Start Num: 164
Candidate Starts for Nala_37:
(Start: 164 @33153 has 174 MA's), (Start: 186 @33210 has 3 MA's), (199, 33243), (201, 33249), (231, 33303), (240, 33315),

Gene: Nancinator_46 Start: 34231, Stop: 33935, Start Num: 153
Candidate Starts for Nancinator_46:
(Start: 153 @34231 has 38 MA's), (Start: 169 @34213 has 17 MA's), (Start: 172 @34207 has 11 MA's), (217, 34090), (236, 34057), (241, 34051), (274, 33991), (289, 33943),

Gene: Natosaleda_45 Start: 34230, Stop: 33934, Start Num: 153
Candidate Starts for Natosaleda_45:
(Start: 153 @34230 has 38 MA's), (Start: 169 @34212 has 17 MA's), (Start: 172 @34206 has 11 MA's), (217, 34089), (236, 34056), (241, 34050), (274, 33990), (289, 33942),

Gene: Nebulosus_62 Start: 37439, Stop: 37170, Start Num: 152
Candidate Starts for Nebulosus_62:
(15, 37883), (19, 37859), (26, 37781), (Start: 152 @37439 has 22 MA's), (240, 37262), (262, 37223),

Gene: Necrophoxinus_37 Start: 10946, Stop: 11200, Start Num: 165
Candidate Starts for Necrophoxinus_37:
(146, 10931), (Start: 165 @10946 has 73 MA's), (181, 10991), (201, 11042), (210, 11060), (219, 11078),

Gene: Nedarya_60 Start: 37419, Stop: 37150, Start Num: 150
Candidate Starts for Nedarya_60:
(19, 37842), (Start: 150 @37419 has 14 MA's), (Start: 158 @37410 has 17 MA's), (Start: 172 @37392 has 11 MA's), (240, 37239),

Gene: Nekros_50 Start: 43030, Stop: 43269, Start Num: 172
Candidate Starts for Nekros_50:
(Start: 172 @43030 has 11 MA's), (Start: 178 @43057 has 1 MA's), (199, 43111), (200, 43114), (235, 43171), (255, 43207),

Gene: NelitzaMV_37 Start: 33203, Stop: 33448, Start Num: 164
Candidate Starts for NelitzaMV_37:
(Start: 164 @33203 has 174 MA's), (Start: 186 @33260 has 3 MA's), (199, 33293), (201, 33299), (231, 33353), (240, 33365),

Gene: Netyap_32 Start: 28422, Stop: 28688, Start Num: 163
Candidate Starts for Netyap_32:
(Start: 163 @28422 has 62 MA's), (Start: 180 @28467 has 8 MA's), (200, 28518), (241, 28584), (279, 28656), (287, 28677),

Gene: Neuvillette_3 Start: 977, Stop: 1246, Start Num: 161
Candidate Starts for Neuvillette_3:
(Start: 161 @977 has 9 MA's),

Gene: Neville_111 Start: 63902, Stop: 64144, Start Num: 157
Candidate Starts for Neville_111:

(Start: 134 @63872 has 1 MA's), (Start: 157 @63902 has 56 MA's), (195, 63998), (196, 64001), (211, 64037), (226, 64067), (229, 64073), (255, 64112),

Gene: Nibb_69 Start: 43994, Stop: 44221, Start Num: 165
Candidate Starts for Nibb_69:
(Start: 165 @43994 has 73 MA's), (241, 44129), (259, 44165),

Gene: Nibley_46 Start: 39034, Stop: 39279, Start Num: 164
Candidate Starts for Nibley_46:
(Start: 164 @39034 has 174 MA's), (187, 39097), (199, 39127), (200, 39130), (236, 39190), (240, 39193), (241, 39196),

Gene: Nicholasp3_32 Start: 28424, Stop: 28690, Start Num: 163
Candidate Starts for Nicholasp3_32:
(Start: 163 @28424 has 62 MA's), (Start: 180 @28469 has 8 MA's), (200, 28520), (241, 28586), (279, 28658), (287, 28679),

Gene: Nicky22_37 Start: 25941, Stop: 26183, Start Num: 168
Candidate Starts for Nicky22_37:
(Start: 168 @25941 has 77 MA's), (276, 26175),

Gene: NihilNomen_51 Start: 44218, Stop: 44466, Start Num: 164
Candidate Starts for NihilNomen_51:
(Start: 164 @44218 has 174 MA's), (220, 44350),

Gene: Nikao_58 Start: 43554, Stop: 43799, Start Num: 165
Candidate Starts for Nikao_58:
(Start: 104 @43482 has 2 MA's), (Start: 165 @43554 has 73 MA's), (214, 43659), (241, 43701), (259, 43737),

Gene: Nilo_41 Start: 36395, Stop: 36640, Start Num: 158
Candidate Starts for Nilo_41:
(130, 36353), (Start: 158 @36395 has 17 MA's), (173, 36416), (177, 36437), (187, 36464), (235, 36563), (236, 36566), (241, 36569), (275, 36620),

Gene: Nimrod_37 Start: 33377, Stop: 33622, Start Num: 164
Candidate Starts for Nimrod_37:
(Start: 164 @33377 has 174 MA's), (Start: 186 @33434 has 3 MA's), (199, 33467), (201, 33473), (231, 33527), (240, 33539),

Gene: Nitro_33 Start: 25923, Stop: 26186, Start Num: 144
Candidate Starts for Nitro_33:
(Start: 144 @25923 has 1 MA's), (236, 26103),

Gene: NoSleep_38 Start: 32874, Stop: 33119, Start Num: 164
Candidate Starts for NoSleep_38:
(Start: 164 @32874 has 174 MA's), (Start: 186 @32931 has 3 MA's), (199, 32964), (201, 32970), (231, 33024), (240, 33036),

Gene: NonchalantPear_37 Start: 32827, Stop: 33072, Start Num: 164
Candidate Starts for NonchalantPear_37:
(Start: 164 @32827 has 174 MA's), (Start: 186 @32884 has 3 MA's), (199, 32917), (201, 32923), (231, 32977), (240, 32989),

Gene: Norvs_124 Start: 71047, Stop: 71340, Start Num: 149
Candidate Starts for Norvs_124:
(Start: 149 @71047 has 12 MA's), (177, 71095), (235, 71224),

Gene: NothingSpecial_56 Start: 38807, Stop: 38535, Start Num: 141
Candidate Starts for NothingSpecial_56:
(Start: 141 @38807 has 140 MA's), (Start: 169 @38786 has 17 MA's), (Start: 172 @38780 has 11 MA's), (183, 38744), (199, 38702), (205, 38693), (220, 38657), (240, 38627), (243, 38618), (247, 38615),

Gene: November_64 Start: 43864, Stop: 44103, Start Num: 165
Candidate Starts for November_64:
(113, 43798), (Start: 165 @43864 has 73 MA's), (Start: 172 @43873 has 11 MA's), (259, 44050),

Gene: Nutello_55 Start: 40941, Stop: 41186, Start Num: 165
Candidate Starts for Nutello_55:
(Start: 104 @40869 has 2 MA's), (Start: 165 @40941 has 73 MA's), (214, 41046), (241, 41088), (259, 41124),

Gene: Oatly_9 Start: 6310, Stop: 5987, Start Num: 157
Candidate Starts for Oatly_9:
(62, 6478), (70, 6460), (83, 6427), (Start: 157 @6310 has 56 MA's), (181, 6259), (187, 6244), (206, 6196), (263, 6088), (286, 6040), (290, 6022),

Gene: ObiToo_36 Start: 25276, Stop: 25518, Start Num: 167
Candidate Starts for ObiToo_36:
(38, 25018), (47, 25054), (Start: 167 @25276 has 26 MA's),

Gene: Octobien14_110 Start: 61808, Stop: 62044, Start Num: 157
Candidate Starts for Octobien14_110:
(Start: 157 @61808 has 56 MA's), (173, 61823), (189, 61886), (196, 61901), (211, 61937), (255, 62012),

Gene: Odette_52 Start: 43439, Stop: 43684, Start Num: 164
Candidate Starts for Odette_52:
(Start: 164 @43439 has 174 MA's), (187, 43502), (199, 43532), (200, 43535), (236, 43595), (240, 43598), (241, 43601),

Gene: Odin_56 Start: 37328, Stop: 37056, Start Num: 121
Candidate Starts for Odin_56:
(Start: 121 @37328 has 12 MA's), (Start: 172 @37301 has 11 MA's), (220, 37178), (229, 37166),

Gene: OhShagHennessy_30 Start: 27655, Stop: 27924, Start Num: 163
Candidate Starts for OhShagHennessy_30:
(Start: 163 @27655 has 62 MA's), (Start: 180 @27700 has 8 MA's), (235, 27808),

Gene: OlinDD_28 Start: 9180, Stop: 9434, Start Num: 165
Candidate Starts for OlinDD_28:
(129, 9132), (Start: 149 @9165 has 12 MA's), (Start: 165 @9180 has 73 MA's), (181, 9225), (196, 9261), (240, 9348),

Gene: Olliecat_33 Start: 24245, Stop: 24484, Start Num: 168

Candidate Starts for Olliecat_33:
(9, 23624), (30, 23930), (Start: 168 @24245 has 77 MA's),

Gene: Omega_56 Start: 45262, Stop: 45501, Start Num: 172
Candidate Starts for Omega_56:
(Start: 172 @45262 has 11 MA's), (Start: 178 @45289 has 1 MA's), (199, 45343), (200, 45346), (235, 45403), (255, 45439),

Gene: OmniCritical_69 Start: 43407, Stop: 43721, Start Num: 154
Candidate Starts for OmniCritical_69:
(Start: 154 @43407 has 15 MA's), (Start: 169 @43422 has 17 MA's), (177, 43452), (209, 43509),

Gene: OneUp_110 Start: 69312, Stop: 69614, Start Num: 141
Candidate Starts for OneUp_110:
(Start: 141 @69312 has 140 MA's), (Start: 150 @69324 has 14 MA's), (231, 69492),

Gene: Onglai_57 Start: 36566, Stop: 36294, Start Num: 141
Candidate Starts for Onglai_57:
(Start: 141 @36566 has 140 MA's), (Start: 158 @36557 has 17 MA's), (184, 36500), (198, 36464), (216, 36425), (231, 36398), (240, 36386),

Gene: Onyinye_53 Start: 39601, Stop: 39356, Start Num: 164
Candidate Starts for Onyinye_53:
(Start: 164 @39601 has 174 MA's), (187, 39541), (198, 39514), (217, 39475), (231, 39451), (235, 39445), (240, 39439), (251, 39415),

Gene: Oofda_65 Start: 37642, Stop: 37373, Start Num: 152
Candidate Starts for Oofda_65:
(Start: 152 @37642 has 22 MA's), (240, 37465),

Gene: Optimus_57 Start: 45133, Stop: 45381, Start Num: 164
Candidate Starts for Optimus_57:
(Start: 164 @45133 has 174 MA's), (220, 45265),

Gene: Orange_57 Start: 37335, Stop: 37063, Start Num: 141
Candidate Starts for Orange_57:
(Start: 141 @37335 has 140 MA's), (Start: 158 @37326 has 17 MA's), (240, 37155),

Gene: Origami_39 Start: 26498, Stop: 26785, Start Num: 154
Candidate Starts for Origami_39:
(Start: 154 @26498 has 15 MA's),

Gene: OrionPax_38 Start: 32880, Stop: 33125, Start Num: 164
Candidate Starts for OrionPax_38:
(Start: 164 @32880 has 174 MA's), (Start: 186 @32937 has 3 MA's), (199, 32970), (201, 32976), (231, 33030), (240, 33042),

Gene: Orkz_49 Start: 32713, Stop: 32997, Start Num: 167
Candidate Starts for Orkz_49:
(37, 32434), (Start: 150 @32695 has 14 MA's), (Start: 167 @32713 has 26 MA's), (201, 32821), (273, 32926), (283, 32956),

Gene: Oscar_70 Start: 44198, Stop: 44425, Start Num: 165

Candidate Starts for Oscar_70:
(Start: 165 @44198 has 73 MA's), (230, 44315), (241, 44333),

Gene: OverPar_32 Start: 28454, Stop: 28720, Start Num: 163
Candidate Starts for OverPar_32:
(Start: 163 @28454 has 62 MA's), (Start: 180 @28499 has 8 MA's), (200, 28550), (241, 28616), (279, 28688), (287, 28709),

Gene: PYPDinur_30 Start: 27624, Stop: 27842, Start Num: 180
Candidate Starts for PYPDinur_30:
(Start: 163 @27579 has 62 MA's), (Start: 180 @27624 has 8 MA's), (240, 27738),

Gene: Pabst_9 Start: 6171, Stop: 5848, Start Num: 157
Candidate Starts for Pabst_9:
(Start: 123 @6219 has 1 MA's), (Start: 157 @6171 has 56 MA's), (177, 6132), (181, 6120), (263, 5949), (279, 5916), (290, 5883), (292, 5865),

Gene: PackMan_57 Start: 38225, Stop: 37953, Start Num: 141
Candidate Starts for PackMan_57:
(Start: 141 @38225 has 140 MA's), (Start: 158 @38216 has 17 MA's), (184, 38159), (198, 38123), (216, 38084), (231, 38057), (240, 38045),

Gene: PaddyBaddy_38 Start: 32890, Stop: 33135, Start Num: 164
Candidate Starts for PaddyBaddy_38:
(Start: 164 @32890 has 174 MA's), (Start: 186 @32947 has 3 MA's), (199, 32980), (201, 32986), (231, 33040), (240, 33052),

Gene: PainterBoy_59 Start: 38298, Stop: 38026, Start Num: 141
Candidate Starts for PainterBoy_59:
(100, 38367), (Start: 141 @38298 has 140 MA's), (Start: 158 @38289 has 17 MA's), (198, 38196), (220, 38148), (231, 38130), (240, 38118),

Gene: Palpatine_37 Start: 33149, Stop: 33394, Start Num: 164
Candidate Starts for Palpatine_37:
(Start: 164 @33149 has 174 MA's), (Start: 186 @33206 has 3 MA's), (199, 33239), (201, 33245), (231, 33299), (240, 33311),

Gene: Panchaali_99 Start: 83918, Stop: 84178, Start Num: 162
Candidate Starts for Panchaali_99:
(Start: 162 @83918 has 9 MA's), (268, 84137),

Gene: Paperbeatsrock_39 Start: 34115, Stop: 34360, Start Num: 164
Candidate Starts for Paperbeatsrock_39:
(Start: 164 @34115 has 174 MA's), (Start: 186 @34172 has 3 MA's), (199, 34205), (201, 34211), (231, 34265), (240, 34277),

Gene: Papyrus_40 Start: 36054, Stop: 36299, Start Num: 158
Candidate Starts for Papyrus_40:
(130, 36012), (Start: 158 @36054 has 17 MA's), (173, 36075), (177, 36096), (Start: 186 @36120 has 3 MA's), (187, 36123), (235, 36222), (236, 36225), (241, 36228),

Gene: Partridge_45 Start: 34587, Stop: 34291, Start Num: 153
Candidate Starts for Partridge_45:

(Start: 153 @34587 has 38 MA's), (Start: 172 @34563 has 11 MA's), (216, 34449), (217, 34446), (236, 34413), (241, 34407), (274, 34347), (289, 34299),

Gene: PastaFagioli_35 Start: 25432, Stop: 25674, Start Num: 168
Candidate Starts for PastaFagioli_35:
(Start: 168 @25432 has 77 MA's), (225, 25573),

Gene: Pat3_36 Start: 31861, Stop: 32106, Start Num: 164
Candidate Starts for Pat3_36:
(Start: 164 @31861 has 174 MA's), (Start: 186 @31918 has 3 MA's), (199, 31951), (201, 31957), (229, 32005), (231, 32011), (240, 32023),

Gene: PauloDiaboli_20 Start: 7036, Stop: 7266, Start Num: 169
Candidate Starts for PauloDiaboli_20:
(Start: 169 @7036 has 17 MA's), (189, 7108), (207, 7150), (256, 7237), (265, 7255),

Gene: PauloDiaboli_218 Start: 116530, Stop: 116276, Start Num: 167
Candidate Starts for PauloDiaboli_218:
(Start: 167 @116530 has 26 MA's), (213, 116416), (229, 116389),

Gene: PauloDiaboli_375 Start: 183665, Stop: 183895, Start Num: 169
Candidate Starts for PauloDiaboli_375:
(Start: 169 @183665 has 17 MA's), (189, 183737), (207, 183779), (256, 183866), (265, 183884),

Gene: Pavlo_29 Start: 9536, Stop: 9784, Start Num: 165
Candidate Starts for Pavlo_29:
(Start: 133 @9497 has 1 MA's), (Start: 165 @9536 has 73 MA's), (181, 9581), (196, 9617), (271, 9764),

Gene: Pecas_36 Start: 25476, Stop: 25718, Start Num: 168
Candidate Starts for Pecas_36:
(Start: 168 @25476 has 77 MA's), (276, 25710),

Gene: Percival_43 Start: 28266, Stop: 28523, Start Num: 145
Candidate Starts for Percival_43:
(69, 28155), (71, 28158), (Start: 145 @28266 has 16 MA's), (181, 28320), (236, 28446), (243, 28458), (255, 28470),

Gene: Petersenfast_57 Start: 37334, Stop: 37062, Start Num: 141
Candidate Starts for Petersenfast_57:
(Start: 141 @37334 has 140 MA's), (Start: 158 @37325 has 17 MA's), (240, 37154),

Gene: Petra64142_39 Start: 33595, Stop: 33840, Start Num: 164
Candidate Starts for Petra64142_39:
(Start: 164 @33595 has 174 MA's), (Start: 186 @33652 has 3 MA's), (199, 33685), (201, 33691), (231, 33745), (240, 33757),

Gene: Ph8s_59 Start: 37685, Stop: 37413, Start Num: 121
Candidate Starts for Ph8s_59:
(Start: 121 @37685 has 12 MA's), (183, 37622), (201, 37574), (220, 37535), (229, 37523), (240, 37505),

Gene: Phabba_83 Start: 30849, Stop: 31100, Start Num: 162
Candidate Starts for Phabba_83:

(Start: 162 @30849 has 9 MA's), (182, 30894), (216, 30975),

Gene: Phaeder_58 Start: 38225, Stop: 37953, Start Num: 141
Candidate Starts for Phaeder_58:
(Start: 141 @38225 has 140 MA's), (Start: 158 @38216 has 17 MA's), (184, 38159), (198, 38123), (216, 38084), (231, 38057), (240, 38045),

Gene: PhailMary_45 Start: 34620, Stop: 34324, Start Num: 153
Candidate Starts for PhailMary_45:
(Start: 153 @34620 has 38 MA's), (Start: 169 @34602 has 17 MA's), (Start: 172 @34596 has 11 MA's), (187, 34548), (217, 34479), (236, 34446), (241, 34440), (274, 34380), (289, 34332),

Gene: Phaja_37 Start: 33368, Stop: 33556, Start Num: 186
Candidate Starts for Phaja_37:
(Start: 164 @33311 has 174 MA's), (Start: 186 @33368 has 3 MA's), (199, 33401), (201, 33407), (231, 33461), (240, 33473),

Gene: Pharaoh_53 Start: 38271, Stop: 37999, Start Num: 141
Candidate Starts for Pharaoh_53:
(52, 38472), (Start: 141 @38271 has 140 MA's), (Start: 158 @38262 has 17 MA's), (Start: 169 @38250 has 17 MA's), (183, 38208), (198, 38169), (220, 38121), (231, 38103), (240, 38091), (243, 38082),

Gene: Pharky_9 Start: 6092, Stop: 5736, Start Num: 157
Candidate Starts for Pharky_9:
(Start: 157 @6092 has 56 MA's), (177, 6053), (183, 6038), (216, 5951), (220, 5942), (277, 5834), (280, 5825), (290, 5786),

Gene: Pharsalus_38 Start: 33915, Stop: 34160, Start Num: 164
Candidate Starts for Pharsalus_38:
(Start: 164 @33915 has 174 MA's), (Start: 186 @33972 has 3 MA's), (199, 34005), (201, 34011), (231, 34065), (240, 34077),

Gene: PhatBacter_37 Start: 33163, Stop: 33408, Start Num: 164
Candidate Starts for PhatBacter_37:
(Start: 164 @33163 has 174 MA's), (Start: 186 @33220 has 3 MA's), (199, 33253), (201, 33259), (231, 33313), (240, 33325),

Gene: Phaux_36 Start: 33161, Stop: 33406, Start Num: 164
Candidate Starts for Phaux_36:
(Start: 164 @33161 has 174 MA's), (Start: 186 @33218 has 3 MA's), (199, 33251), (201, 33257), (231, 33311), (240, 33323),

Gene: Phedro_9 Start: 6092, Stop: 5736, Start Num: 157
Candidate Starts for Phedro_9:
(Start: 157 @6092 has 56 MA's), (177, 6053), (183, 6038), (216, 5951), (220, 5942), (277, 5834), (280, 5825), (290, 5786),

Gene: PhigPhack_37 Start: 25302, Stop: 25544, Start Num: 168
Candidate Starts for PhigPhack_37:
(Start: 168 @25302 has 77 MA's), (225, 25443),

Gene: PhillyPhilly_30 Start: 9402, Stop: 9689, Start Num: 133
Candidate Starts for PhillyPhilly_30:

(Start: 133 @9402 has 1 MA's), (Start: 165 @9441 has 73 MA's), (181, 9486), (196, 9522), (271, 9669),

Gene: PhinkBoden_125 Start: 71915, Stop: 72205, Start Num: 150
Candidate Starts for PhinkBoden_125:
(86, 71807), (94, 71822), (122, 71867), (Start: 150 @71915 has 14 MA's), (177, 71960), (235, 72089),

Gene: Phisb_37 Start: 25535, Stop: 25777, Start Num: 168
Candidate Starts for Phisb_37:
(84, 25406), (94, 25427), (101, 25439), (103, 25442), (109, 25451), (112, 25454), (Start: 159 @25526 has 8 MA's), (Start: 168 @25535 has 77 MA's), (225, 25676),

Gene: Phives_35 Start: 26643, Stop: 26906, Start Num: 148
Candidate Starts for Phives_35:
(38, 26406), (43, 26415), (Start: 148 @26643 has 16 MA's),

Gene: Phlei_47 Start: 37907, Stop: 37635, Start Num: 141
Candidate Starts for Phlei_47:
(Start: 141 @37907 has 140 MA's), (Start: 158 @37898 has 17 MA's), (201, 37796), (220, 37757), (222, 37754), (270, 37673),

Gene: Phoebus_51 Start: 44419, Stop: 44667, Start Num: 164
Candidate Starts for Phoebus_51:
(Start: 164 @44419 has 174 MA's), (220, 44551),

Gene: Phogo_9 Start: 6365, Stop: 6045, Start Num: 157
Candidate Starts for Phogo_9:
(96, 6455), (Start: 157 @6365 has 56 MA's), (181, 6314), (187, 6299), (206, 6251), (279, 6110),

Gene: Phonnegut_58 Start: 38322, Stop: 38050, Start Num: 141
Candidate Starts for Phonnegut_58:
(Start: 141 @38322 has 140 MA's), (Start: 158 @38313 has 17 MA's), (184, 38256), (198, 38220), (216, 38181), (231, 38154), (240, 38142),

Gene: Phractured_9 Start: 6092, Stop: 5736, Start Num: 157
Candidate Starts for Phractured_9:
(Start: 157 @6092 has 56 MA's), (177, 6053), (183, 6038), (216, 5951), (220, 5942), (277, 5834), (280, 5825), (290, 5786),

Gene: Phrank_70 Start: 43454, Stop: 43693, Start Num: 165
Candidate Starts for Phrank_70:
(Start: 104 @43370 has 2 MA's), (Start: 165 @43454 has 73 MA's), (Start: 172 @43463 has 11 MA's), (209, 43544), (238, 43598),

Gene: Phrankenstein_46 Start: 34244, Stop: 33948, Start Num: 153
Candidate Starts for Phrankenstein_46:
(Start: 153 @34244 has 38 MA's), (Start: 169 @34226 has 17 MA's), (Start: 172 @34220 has 11 MA's), (217, 34103), (236, 34070), (241, 34064), (274, 34004), (289, 33956),

Gene: PhriedRice_9 Start: 6092, Stop: 5736, Start Num: 157
Candidate Starts for PhriedRice_9:
(Start: 157 @6092 has 56 MA's), (177, 6053), (183, 6038), (220, 5942), (277, 5834), (280, 5825), (290, 5786),

Gene: Phrux_37 Start: 32876, Stop: 33121, Start Num: 164
Candidate Starts for Phrux_37:
(Start: 164 @32876 has 174 MA's), (Start: 186 @32933 has 3 MA's), (199, 32966), (201, 32972), (231, 33026), (240, 33038),

Gene: PineapplePluto_10 Start: 6454, Stop: 6131, Start Num: 157
Candidate Starts for PineapplePluto_10:
(62, 6622), (83, 6571), (Start: 157 @6454 has 56 MA's), (181, 6403), (187, 6388), (206, 6340), (263, 6232), (286, 6184), (290, 6166),

Gene: Pioneer_58 Start: 38322, Stop: 38050, Start Num: 141
Candidate Starts for Pioneer_58:
(Start: 141 @38322 has 140 MA's), (Start: 158 @38313 has 17 MA's), (184, 38256), (198, 38220), (216, 38181), (231, 38154), (240, 38142),

Gene: Pioneer3_28 Start: 9179, Stop: 9433, Start Num: 165
Candidate Starts for Pioneer3_28:
(129, 9131), (Start: 149 @9164 has 12 MA's), (Start: 165 @9179 has 73 MA's), (181, 9224), (196, 9260), (240, 9347),

Gene: Pippin15_52 Start: 34099, Stop: 34347, Start Num: 164
Candidate Starts for Pippin15_52:
(Start: 164 @34099 has 174 MA's), (173, 34114), (201, 34198), (235, 34258), (236, 34261), (243, 34267), (277, 34336),

Gene: Pitbull_58 Start: 33370, Stop: 33633, Start Num: 161
Candidate Starts for Pitbull_58:
(115, 33298), (Start: 161 @33370 has 9 MA's), (231, 33526), (235, 33532), (240, 33541), (271, 33598),

Gene: Pixie_67 Start: 43623, Stop: 43865, Start Num: 165
Candidate Starts for Pixie_67:
(Start: 165 @43623 has 73 MA's), (177, 43656), (209, 43713), (220, 43740), (241, 43773), (245, 43785),

Gene: Platte_28 Start: 8949, Stop: 9203, Start Num: 165
Candidate Starts for Platte_28:
(129, 8901), (Start: 149 @8934 has 12 MA's), (Start: 165 @8949 has 73 MA's), (181, 8994), (196, 9030), (240, 9117),

Gene: Policronamos_37 Start: 33161, Stop: 33406, Start Num: 164
Candidate Starts for Policronamos_37:
(Start: 164 @33161 has 174 MA's), (Start: 186 @33218 has 3 MA's), (199, 33251), (201, 33257), (231, 33311), (240, 33323),

Gene: Pomar16_60 Start: 38309, Stop: 38037, Start Num: 141
Candidate Starts for Pomar16_60:
(Start: 141 @38309 has 140 MA's), (Start: 158 @38300 has 17 MA's), (198, 38207), (240, 38129), (270, 38075),

Gene: PondAmelia_38 Start: 26411, Stop: 26644, Start Num: 168
Candidate Starts for PondAmelia_38:
(109, 26327), (Start: 159 @26402 has 8 MA's), (Start: 168 @26411 has 77 MA's), (276, 26636),

Gene: Poochiewood_30 Start: 27690, Stop: 27959, Start Num: 163
Candidate Starts for Poochiewood_30:
(Start: 163 @27690 has 62 MA's), (Start: 180 @27735 has 8 MA's),

Gene: Porcelain_50 Start: 40623, Stop: 40862, Start Num: 172
Candidate Starts for Porcelain_50:
(Start: 172 @40623 has 11 MA's), (Start: 178 @40650 has 1 MA's), (199, 40704), (200, 40707), (235, 40764), (255, 40800),

Gene: Porky_37 Start: 32972, Stop: 33217, Start Num: 164
Candidate Starts for Porky_37:
(Start: 164 @32972 has 174 MA's), (Start: 186 @33029 has 3 MA's), (199, 33062), (201, 33068), (231, 33122), (240, 33134),

Gene: Pound_54 Start: 45996, Stop: 46244, Start Num: 164
Candidate Starts for Pound_54:
(Start: 164 @45996 has 174 MA's), (220, 46128),

Gene: Power_57 Start: 38477, Stop: 38205, Start Num: 141
Candidate Starts for Power_57:
(Start: 141 @38477 has 140 MA's), (Start: 158 @38468 has 17 MA's), (Start: 169 @38456 has 17 MA's), (Start: 172 @38450 has 11 MA's), (220, 38327),

Gene: Powerpuff_35 Start: 25868, Stop: 26110, Start Num: 167
Candidate Starts for Powerpuff_35:
(Start: 167 @25868 has 26 MA's), (236, 26027),

Gene: Prithvi_68 Start: 44110, Stop: 44352, Start Num: 165
Candidate Starts for Prithvi_68:
(Start: 165 @44110 has 73 MA's), (209, 44200), (259, 44296),

Gene: Priya_58 Start: 38292, Stop: 38020, Start Num: 141
Candidate Starts for Priya_58:
(Start: 141 @38292 has 140 MA's), (Start: 158 @38283 has 17 MA's), (184, 38226), (198, 38190), (216, 38151), (231, 38124), (240, 38112),

Gene: Ptowny_38 Start: 32517, Stop: 32762, Start Num: 164
Candidate Starts for Ptowny_38:
(Start: 164 @32517 has 174 MA's), (Start: 186 @32574 has 3 MA's), (199, 32607), (201, 32613), (231, 32667), (240, 32679),

Gene: Pumpernickel_201 Start: 115898, Stop: 115641, Start Num: 167
Candidate Starts for Pumpernickel_201:
(Start: 167 @115898 has 26 MA's), (229, 115754), (236, 115739),

Gene: Pumpkin_39 Start: 33212, Stop: 33457, Start Num: 164
Candidate Starts for Pumpkin_39:
(Start: 164 @33212 has 174 MA's), (Start: 186 @33269 has 3 MA's), (199, 33302), (201, 33308), (231, 33362), (240, 33374),

Gene: Pupper_77 Start: 28936, Stop: 29202, Start Num: 151
Candidate Starts for Pupper_77:
(Start: 151 @28936 has 4 MA's), (Start: 180 @28984 has 8 MA's), (239, 29104), (271, 29164),

Gene: QMacho_38 Start: 25959, Stop: 26201, Start Num: 168
Candidate Starts for QMacho_38:
(Start: 168 @25959 has 77 MA's), (276, 26193),

Gene: Qobbit_58 Start: 38254, Stop: 37982, Start Num: 141
Candidate Starts for Qobbit_58:
(Start: 141 @38254 has 140 MA's), (Start: 158 @38245 has 17 MA's), (184, 38188), (198, 38152), (216, 38113), (231, 38086), (240, 38074),

Gene: Quallification_38 Start: 33341, Stop: 33586, Start Num: 164
Candidate Starts for Quallification_38:
(Start: 164 @33341 has 174 MA's), (Start: 186 @33398 has 3 MA's), (199, 33431), (201, 33437), (231, 33491), (240, 33503),

Gene: Quby_30 Start: 27518, Stop: 27736, Start Num: 180
Candidate Starts for Quby_30:
(Start: 163 @27473 has 62 MA's), (Start: 180 @27518 has 8 MA's), (199, 27566), (240, 27632),

Gene: QueenB2_57 Start: 38455, Stop: 38183, Start Num: 141
Candidate Starts for QueenB2_57:
(Start: 141 @38455 has 140 MA's), (Start: 158 @38446 has 17 MA's), (Start: 169 @38434 has 17 MA's), (Start: 172 @38428 has 11 MA's), (220, 38305), (240, 38275),

Gene: QueenBeesly_58 Start: 38424, Stop: 38152, Start Num: 141
Candidate Starts for QueenBeesly_58:
(Start: 141 @38424 has 140 MA's), (Start: 158 @38415 has 17 MA's), (Start: 169 @38403 has 17 MA's), (Start: 172 @38397 has 11 MA's), (220, 38274),

Gene: Quenya_35 Start: 25660, Stop: 25890, Start Num: 168
Candidate Starts for Quenya_35:
(22, 25243), (31, 25348), (49, 25423), (54, 25447), (65, 25486), (76, 25513), (78, 25516), (79, 25519), (109, 25576), (112, 25579), (116, 25585), (Start: 159 @25651 has 8 MA's), (Start: 168 @25660 has 77 MA's), (199, 25747), (225, 25801), (261, 25852), (276, 25882),

Gene: Quokka_56 Start: 37421, Stop: 37149, Start Num: 141
Candidate Starts for Quokka_56:
(Start: 141 @37421 has 140 MA's), (Start: 169 @37400 has 17 MA's), (Start: 172 @37394 has 11 MA's), (220, 37271), (229, 37259),

Gene: RER2_39 Start: 31170, Stop: 30874, Start Num: 153
Candidate Starts for RER2_39:
(Start: 153 @31170 has 38 MA's), (Start: 169 @31152 has 17 MA's), (Start: 172 @31146 has 11 MA's), (217, 31029), (236, 30996), (241, 30990), (274, 30930), (289, 30882),

Gene: RGL3_40 Start: 32103, Stop: 31804, Start Num: 153
Candidate Starts for RGL3_40:
(68, 32253), (Start: 153 @32103 has 38 MA's), (Start: 169 @32085 has 17 MA's), (171, 32082), (216, 31965), (235, 31932), (236, 31929),

Gene: Rabbitrun_113 Start: 64952, Stop: 65221, Start Num: 134
Candidate Starts for Rabbitrun_113:

(Start: 134 @64952 has 1 MA's), (Start: 157 @64979 has 56 MA's), (183, 65036), (191, 65069), (195, 65075), (196, 65078), (211, 65114), (226, 65144), (229, 65150), (246, 65180), (255, 65189),

Gene: Rachaly_57 Start: 38723, Stop: 38451, Start Num: 141
Candidate Starts for Rachaly_57:
(Start: 141 @38723 has 140 MA's), (Start: 172 @38696 has 11 MA's), (220, 38573), (240, 38543),

Gene: Rahalelujah_58 Start: 37998, Stop: 37726, Start Num: 141
Candidate Starts for Rahalelujah_58:
(Start: 141 @37998 has 140 MA's), (Start: 158 @37989 has 17 MA's), (184, 37932), (198, 37896), (220, 37848),

Gene: Rakim_38 Start: 33241, Stop: 33486, Start Num: 164
Candidate Starts for Rakim_38:
(Start: 164 @33241 has 174 MA's), (Start: 186 @33298 has 3 MA's), (199, 33331), (201, 33337), (231, 33391), (240, 33403),

Gene: Rasputin_46 Start: 34268, Stop: 33972, Start Num: 153
Candidate Starts for Rasputin_46:
(Start: 153 @34268 has 38 MA's), (Start: 169 @34250 has 17 MA's), (Start: 172 @34244 has 11 MA's), (217, 34127), (236, 34094), (241, 34088), (274, 34028), (289, 33980),

Gene: Ravana_66 Start: 38767, Stop: 38498, Start Num: 152
Candidate Starts for Ravana_66:
(Start: 152 @38767 has 22 MA's), (240, 38590),

Gene: ReMo_62 Start: 37440, Stop: 37171, Start Num: 152
Candidate Starts for ReMo_62:
(15, 37884), (19, 37860), (26, 37782), (Start: 152 @37440 has 22 MA's), (240, 37263),

Gene: Rearden_46 Start: 40216, Stop: 40461, Start Num: 164
Candidate Starts for Rearden_46:
(Start: 164 @40216 has 174 MA's), (Start: 172 @40228 has 11 MA's), (220, 40348),

Gene: Red305_31 Start: 28796, Stop: 29050, Start Num: 172
Candidate Starts for Red305_31:
(Start: 163 @28784 has 62 MA's), (Start: 172 @28796 has 11 MA's), (Start: 180 @28829 has 8 MA's),

Gene: Redno2_50 Start: 41183, Stop: 41428, Start Num: 164
Candidate Starts for Redno2_50:
(Start: 164 @41183 has 174 MA's), (187, 41246), (199, 41276), (200, 41279), (236, 41339), (240, 41342), (241, 41345),

Gene: Refuge_56 Start: 39539, Stop: 39267, Start Num: 141
Candidate Starts for Refuge_56:
(124, 39569), (Start: 141 @39539 has 140 MA's), (198, 39437), (220, 39389), (231, 39371), (240, 39359),

Gene: ReginaGlobina_107 Start: 86858, Stop: 87121, Start Num: 162
Candidate Starts for ReginaGlobina_107:
(Start: 162 @86858 has 9 MA's), (254, 87047),

Gene: Remus_64 Start: 37446, Stop: 37177, Start Num: 152

Candidate Starts for Remus_64:
(15, 37890), (19, 37866), (26, 37788), (Start: 152 @37446 has 22 MA's), (240, 37269),

Gene: Retro23_59 Start: 38669, Stop: 38397, Start Num: 141
Candidate Starts for Retro23_59:
(Start: 141 @38669 has 140 MA's), (Start: 158 @38660 has 17 MA's), (Start: 169 @38648 has 17 MA's), (Start: 172 @38642 has 11 MA's), (220, 38519), (240, 38489),

Gene: RexFury_45 Start: 34329, Stop: 34033, Start Num: 153
Candidate Starts for RexFury_45:
(Start: 153 @34329 has 38 MA's), (Start: 169 @34311 has 17 MA's), (Start: 172 @34305 has 11 MA's), (217, 34188), (236, 34155), (241, 34149), (274, 34089), (289, 34041),

Gene: Rhodalysa_46 Start: 34298, Stop: 34002, Start Num: 153
Candidate Starts for Rhodalysa_46:
(Start: 153 @34298 has 38 MA's), (Start: 169 @34280 has 17 MA's), (Start: 172 @34274 has 11 MA's), (217, 34157), (236, 34124), (241, 34118), (274, 34058), (289, 34010),

Gene: RicoCaldo_9 Start: 6122, Stop: 5766, Start Num: 157
Candidate Starts for RicoCaldo_9:
(Start: 157 @6122 has 56 MA's), (177, 6083), (183, 6068), (220, 5972), (243, 5930), (277, 5864), (280, 5855), (290, 5816),

Gene: Rimmer_36 Start: 32701, Stop: 32946, Start Num: 164
Candidate Starts for Rimmer_36:
(Start: 164 @32701 has 174 MA's), (Start: 186 @32758 has 3 MA's), (199, 32791), (201, 32797), (231, 32851), (240, 32863),

Gene: Riparian_40 Start: 35856, Stop: 36101, Start Num: 158
Candidate Starts for Riparian_40:
(130, 35814), (Start: 158 @35856 has 17 MA's), (173, 35877), (177, 35898), (Start: 186 @35922 has 3 MA's), (187, 35925), (235, 36024), (236, 36027), (241, 36030),

Gene: RiverMonster_37 Start: 32890, Stop: 33135, Start Num: 164
Candidate Starts for RiverMonster_37:
(Start: 164 @32890 has 174 MA's), (Start: 186 @32947 has 3 MA's), (199, 32980), (201, 32986), (231, 33040), (240, 33052),

Gene: Roberts_3 Start: 977, Stop: 1246, Start Num: 161
Candidate Starts for Roberts_3:
(Start: 161 @977 has 9 MA's),

Gene: Rollins_33 Start: 23463, Stop: 23702, Start Num: 159
Candidate Starts for Rollins_33:
(45, 23220), (53, 23250), (Start: 159 @23463 has 8 MA's), (Start: 168 @23472 has 77 MA's), (199, 23559), (261, 23664), (276, 23694),

Gene: Roman_30 Start: 9436, Stop: 9684, Start Num: 165
Candidate Starts for Roman_30:
(Start: 133 @9397 has 1 MA's), (Start: 165 @9436 has 73 MA's), (181, 9481), (196, 9517), (271, 9664),

Gene: Rona_34 Start: 25980, Stop: 26210, Start Num: 168
Candidate Starts for Rona_34:

(21, 25560), (27, 25623), (28, 25641), (29, 25662), (32, 25671), (36, 25695), (42, 25713), (44, 25719), (50, 25746), (51, 25749), (55, 25770), (56, 25773), (67, 25812), (73, 25827), (80, 25842), (84, 25851), (87, 25860), (91, 25866), (97, 25875), (103, 25887), (Start: 107 @25893 has 1 MA's), (Start: 159 @25971 has 8 MA's), (Start: 168 @25980 has 77 MA's), (193, 26052), (199, 26067), (261, 26172), (276, 26202),

Gene: Ronaldo_118 Start: 57046, Stop: 57285, Start Num: 170
Candidate Starts for Ronaldo_118:
(Start: 170 @57046 has 6 MA's), (219, 57169), (260, 57241), (262, 57244),

Gene: Rope_40 Start: 36036, Stop: 36281, Start Num: 158
Candidate Starts for Rope_40:
(130, 35994), (Start: 158 @36036 has 17 MA's), (173, 36057), (177, 36078), (Start: 186 @36102 has 3 MA's), (187, 36105), (235, 36204), (236, 36207), (241, 36210),

Gene: Rosalind_62 Start: 37598, Stop: 37329, Start Num: 152
Candidate Starts for Rosalind_62:
(15, 38042), (19, 38018), (26, 37940), (Start: 152 @37598 has 22 MA's), (240, 37421),

Gene: Rose5_30 Start: 27690, Stop: 27959, Start Num: 163
Candidate Starts for Rose5_30:
(Start: 163 @27690 has 62 MA's), (Start: 180 @27735 has 8 MA's), (235, 27843),

Gene: Rossetti_32 Start: 28739, Stop: 28960, Start Num: 180
Candidate Starts for Rossetti_32:
(Start: 163 @28694 has 62 MA's), (Start: 180 @28739 has 8 MA's), (241, 28856), (287, 28949),

Gene: Rumpelstiltskin_32 Start: 28735, Stop: 28956, Start Num: 180
Candidate Starts for Rumpelstiltskin_32:
(Start: 163 @28690 has 62 MA's), (Start: 180 @28735 has 8 MA's), (200, 28786), (241, 28852), (279, 28924), (287, 28945),

Gene: RunningBrook_36 Start: 10938, Stop: 11192, Start Num: 165
Candidate Starts for RunningBrook_36:
(146, 10923), (Start: 165 @10938 has 73 MA's), (181, 10983), (201, 11034), (210, 11052), (219, 11070),

Gene: Ruthiejr_71 Start: 43418, Stop: 43732, Start Num: 154
Candidate Starts for Ruthiejr_71:
(Start: 154 @43418 has 15 MA's), (Start: 169 @43433 has 17 MA's), (177, 43463), (209, 43520),

Gene: RyeScarlet_58 Start: 38297, Stop: 38025, Start Num: 141
Candidate Starts for RyeScarlet_58:
(Start: 141 @38297 has 140 MA's), (Start: 158 @38288 has 17 MA's), (184, 38231), (198, 38195), (216, 38156), (231, 38129), (240, 38117),

Gene: SCentae_76 Start: 28691, Stop: 28957, Start Num: 151
Candidate Starts for SCentae_76:
(Start: 151 @28691 has 4 MA's), (Start: 180 @28739 has 8 MA's), (239, 28859), (271, 28919),

Gene: Sachima_58 Start: 38207, Stop: 37935, Start Num: 141
Candidate Starts for Sachima_58:

(Start: 141 @38207 has 140 MA's), (Start: 158 @38198 has 17 MA's), (184, 38141), (198, 38105), (216, 38066), (231, 38039), (240, 38027),

Gene: Saints25_38 Start: 32793, Stop: 33038, Start Num: 164
Candidate Starts for Saints25_38:
(Start: 164 @32793 has 174 MA's), (Start: 186 @32850 has 3 MA's), (199, 32883), (201, 32889), (231, 32943), (240, 32955),

Gene: Salvatore2000_9 Start: 6219, Stop: 5899, Start Num: 157
Candidate Starts for Salvatore2000_9:
(Start: 157 @6219 has 56 MA's), (177, 6180), (181, 6168), (183, 6165), (261, 6000), (290, 5931),

Gene: Salz_56 Start: 37305, Stop: 37033, Start Num: 141
Candidate Starts for Salz_56:
(Start: 141 @37305 has 140 MA's), (Start: 158 @37296 has 17 MA's), (240, 37125),

Gene: SamuelLPlaqson_67 Start: 44362, Stop: 44604, Start Num: 165
Candidate Starts for SamuelLPlaqson_67:
(Start: 165 @44362 has 73 MA's), (209, 44452), (259, 44548), (270, 44572),

Gene: SanaSana_39 Start: 27081, Stop: 27314, Start Num: 168
Candidate Starts for SanaSana_39:
(82, 26952), (84, 26955), (92, 26973), (99, 26985), (101, 26988), (109, 26997), (Start: 159 @27072 has 8 MA's), (Start: 168 @27081 has 77 MA's), (222, 27216), (266, 27282),

Gene: SansAfet_37 Start: 25401, Stop: 25631, Start Num: 168
Candidate Starts for SansAfet_37:
(Start: 168 @25401 has 77 MA's),

Gene: SarBear_36 Start: 25256, Stop: 25498, Start Num: 168
Candidate Starts for SarBear_36:
(Start: 168 @25256 has 77 MA's), (276, 25490),

Gene: Saradis_31 Start: 9499, Stop: 9747, Start Num: 165
Candidate Starts for Saradis_31:
(Start: 133 @9460 has 1 MA's), (Start: 165 @9499 has 73 MA's), (181, 9544), (196, 9580), (271, 9727),

Gene: Sarshaun_32 Start: 28500, Stop: 28721, Start Num: 180
Candidate Starts for Sarshaun_32:
(Start: 163 @28455 has 62 MA's), (Start: 180 @28500 has 8 MA's), (200, 28551), (241, 28617), (279, 28689), (287, 28710),

Gene: Saskia_58 Start: 37333, Stop: 37061, Start Num: 141
Candidate Starts for Saskia_58:
(Start: 141 @37333 has 140 MA's), (Start: 158 @37324 has 17 MA's), (240, 37153),

Gene: Sassay_36 Start: 32639, Stop: 32884, Start Num: 164
Candidate Starts for Sassay_36:
(Start: 164 @32639 has 174 MA's), (Start: 186 @32696 has 3 MA's), (199, 32729), (201, 32735), (231, 32789), (240, 32801),

Gene: Scarlett_71 Start: 44528, Stop: 44758, Start Num: 165
Candidate Starts for Scarlett_71:

(Start: 165 @44528 has 73 MA's), (230, 44645), (241, 44663),

Gene: Schaffner_33 Start: 25723, Stop: 25989, Start Num: 148
Candidate Starts for Schaffner_33:
(38, 25465), (47, 25501), (Start: 148 @25723 has 16 MA's), (236, 25906),

Gene: Schatzie_49 Start: 43187, Stop: 43432, Start Num: 164
Candidate Starts for Schatzie_49:
(Start: 164 @43187 has 174 MA's), (187, 43250), (199, 43280), (200, 43283), (236, 43343), (240, 43346), (241, 43349),

Gene: Scherzo_58 Start: 38511, Stop: 38239, Start Num: 141
Candidate Starts for Scherzo_58:
(Start: 141 @38511 has 140 MA's), (Start: 158 @38502 has 17 MA's), (184, 38445), (198, 38409), (216, 38370), (231, 38343), (240, 38331),

Gene: Schmidt_57 Start: 36601, Stop: 36840, Start Num: 169
Candidate Starts for Schmidt_57:
(89, 36481), (Start: 169 @36601 has 17 MA's), (181, 36643), (187, 36658), (197, 36682), (201, 36694), (231, 36763), (236, 36772), (269, 36832),

Gene: ScoobyDoobyDoo_73 Start: 26882, Stop: 27106, Start Num: 167
Candidate Starts for ScoobyDoobyDoo_73:
(Start: 167 @26882 has 26 MA's), (185, 26933), (217, 27005), (229, 27023), (231, 27029), (235, 27035), (258, 27071),

Gene: SemperFi_59 Start: 38692, Stop: 38420, Start Num: 141
Candidate Starts for SemperFi_59:
(Start: 141 @38692 has 140 MA's), (Start: 158 @38683 has 17 MA's), (Start: 169 @38671 has 17 MA's), (Start: 172 @38665 has 11 MA's), (220, 38542),

Gene: Send513_40 Start: 36392, Stop: 36637, Start Num: 158
Candidate Starts for Send513_40:
(130, 36350), (Start: 158 @36392 has 17 MA's), (173, 36413), (177, 36434), (187, 36461), (235, 36560), (236, 36563), (241, 36566), (275, 36617),

Gene: Sephiroth_110 Start: 62771, Stop: 63007, Start Num: 157
Candidate Starts for Sephiroth_110:
(Start: 157 @62771 has 56 MA's), (173, 62786), (189, 62849), (195, 62861), (208, 62891), (211, 62900), (227, 62933), (255, 62975),

Gene: Serenabean_52 Start: 34263, Stop: 34496, Start Num: 164
Candidate Starts for Serenabean_52:
(Start: 164 @34263 has 174 MA's), (187, 34326), (217, 34398),

Gene: Serenity_58 Start: 37628, Stop: 37356, Start Num: 141
Candidate Starts for Serenity_58:
(81, 37700), (85, 37688), (Start: 141 @37628 has 140 MA's), (Start: 169 @37607 has 17 MA's), (Start: 172 @37601 has 11 MA's), (220, 37478), (229, 37466),

Gene: SgtBeansprout_56 Start: 40941, Stop: 41186, Start Num: 165
Candidate Starts for SgtBeansprout_56:

(Start: 104 @40869 has 2 MA's), (Start: 165 @40941 has 73 MA's), (214, 41046), (241, 41088), (259, 41124),

Gene: Shaboozey_44 Start: 38020, Stop: 38232, Start Num: 178
Candidate Starts for Shaboozey_44:
(Start: 172 @37993 has 11 MA's), (Start: 178 @38020 has 1 MA's), (199, 38074), (200, 38077), (235, 38134), (255, 38170),

Gene: Shadow1_71 Start: 43904, Stop: 44143, Start Num: 165
Candidate Starts for Shadow1_71:
(Start: 104 @43820 has 2 MA's), (Start: 165 @43904 has 73 MA's), (Start: 172 @43913 has 11 MA's), (209, 43994), (238, 44048), (245, 44063),

Gene: ShakeItOph_39 Start: 26463, Stop: 26750, Start Num: 154
Candidate Starts for ShakeItOph_39:
(Start: 154 @26463 has 15 MA's), (249, 26655),

Gene: Sham4_57 Start: 37333, Stop: 37061, Start Num: 141
Candidate Starts for Sham4_57:
(Start: 141 @37333 has 140 MA's), (Start: 158 @37324 has 17 MA's), (240, 37153),

Gene: ShamWow_37 Start: 33135, Stop: 33380, Start Num: 164
Candidate Starts for ShamWow_37:
(Start: 164 @33135 has 174 MA's), (Start: 186 @33192 has 3 MA's), (199, 33225), (201, 33231), (231, 33285), (240, 33297),

Gene: Sharkboy_35 Start: 26070, Stop: 26309, Start Num: 159
Candidate Starts for Sharkboy_35:
(21, 25659), (27, 25722), (28, 25740), (29, 25761), (32, 25770), (36, 25794), (42, 25812), (44, 25818), (50, 25845), (51, 25848), (55, 25869), (56, 25872), (63, 25899), (67, 25911), (73, 25926), (80, 25941), (84, 25950), (87, 25959), (91, 25965), (97, 25974), (103, 25986), (Start: 107 @25992 has 1 MA's), (Start: 159 @26070 has 8 MA's), (Start: 168 @26079 has 77 MA's), (193, 26151), (199, 26166), (225, 26220), (261, 26271), (276, 26301),

Gene: ShayRa_64 Start: 37627, Stop: 37358, Start Num: 152
Candidate Starts for ShayRa_64:
(15, 38071), (26, 37969), (Start: 152 @37627 has 22 MA's), (240, 37450),

Gene: Shayna_36 Start: 24764, Stop: 24994, Start Num: 168
Candidate Starts for Shayna_36:
(Start: 168 @24764 has 77 MA's), (183, 24809),

Gene: SheaKeira_56 Start: 37935, Stop: 37663, Start Num: 141
Candidate Starts for SheaKeira_56:
(Start: 141 @37935 has 140 MA's), (Start: 158 @37926 has 17 MA's), (Start: 169 @37914 has 17 MA's), (184, 37869), (198, 37833), (209, 37812), (220, 37785), (227, 37776), (235, 37761), (266, 37710), (275, 37689),

Gene: Sheng711_30 Start: 27624, Stop: 27842, Start Num: 180
Candidate Starts for Sheng711_30:
(Start: 163 @27579 has 62 MA's), (Start: 180 @27624 has 8 MA's), (240, 27738),

Gene: ShereKhan_39 Start: 34175, Stop: 34363, Start Num: 186

Candidate Starts for ShereKhan_39:
(Start: 164 @34118 has 174 MA's), (Start: 186 @34175 has 3 MA's), (199, 34208), (201, 34214), (231, 34268), (240, 34280),

Gene: Shroomer_39 Start: 10466, Stop: 10720, Start Num: 165
Candidate Starts for Shroomer_39:
(35, 10181), (146, 10451), (Start: 165 @10466 has 73 MA's), (181, 10511), (225, 10610), (240, 10634),

Gene: Shuman_46 Start: 34243, Stop: 33947, Start Num: 153
Candidate Starts for Shuman_46:
(Start: 153 @34243 has 38 MA's), (Start: 169 @34225 has 17 MA's), (Start: 172 @34219 has 11 MA's), (217, 34102), (236, 34069), (241, 34063), (274, 34003), (289, 33955),

Gene: Shweta_51 Start: 35498, Stop: 35743, Start Num: 158
Candidate Starts for Shweta_51:
(Start: 158 @35498 has 17 MA's), (Start: 169 @35510 has 17 MA's), (Start: 172 @35516 has 11 MA's), (199, 35582), (224, 35627), (242, 35657),

Gene: ShyRosie_9 Start: 6089, Stop: 5751, Start Num: 157
Candidate Starts for ShyRosie_9:
(85, 6161), (Start: 157 @6089 has 56 MA's), (177, 6050), (201, 5978), (220, 5939), (291, 5798),

Gene: Silverleaf_30 Start: 27690, Stop: 27959, Start Num: 163
Candidate Starts for Silverleaf_30:
(Start: 163 @27690 has 62 MA's), (Start: 180 @27735 has 8 MA's), (235, 27843),

Gene: Simpliphy_38 Start: 32880, Stop: 33125, Start Num: 164
Candidate Starts for Simpliphy_38:
(Start: 164 @32880 has 174 MA's), (Start: 186 @32937 has 3 MA's), (199, 32970), (201, 32976), (231, 33030), (240, 33042),

Gene: Simpson_35 Start: 24755, Stop: 25021, Start Num: 148
Candidate Starts for Simpson_35:
(38, 24497), (Start: 148 @24755 has 16 MA's), (236, 24938),

Gene: SirBeanington_36 Start: 25577, Stop: 25819, Start Num: 168
Candidate Starts for SirBeanington_36:
(Start: 168 @25577 has 77 MA's), (276, 25811),

Gene: SirDuracell_36 Start: 31800, Stop: 32045, Start Num: 164
Candidate Starts for SirDuracell_36:
(Start: 164 @31800 has 174 MA's), (Start: 186 @31857 has 3 MA's), (199, 31890), (201, 31896), (229, 31944), (231, 31950), (240, 31962),

Gene: Skog_140 Start: 57999, Stop: 58271, Start Num: 151
Candidate Starts for Skog_140:
(Start: 151 @57999 has 4 MA's), (Start: 180 @58047 has 8 MA's), (189, 58080), (239, 58167),

Gene: Skylord_33 Start: 23403, Stop: 23633, Start Num: 168
Candidate Starts for Skylord_33:
(45, 23151), (53, 23181), (Start: 159 @23394 has 8 MA's), (Start: 168 @23403 has 77 MA's), (199, 23490), (261, 23595), (276, 23625),

Gene: Slay_37 Start: 25937, Stop: 26179, Start Num: 168
Candidate Starts for Slay_37:
(Start: 168 @25937 has 77 MA's), (276, 26171),

Gene: Smeagan_61 Start: 38985, Stop: 38713, Start Num: 141
Candidate Starts for Smeagan_61:
(Start: 141 @38985 has 140 MA's), (Start: 158 @38976 has 17 MA's), (Start: 169 @38964 has 17 MA's), (Start: 172 @38958 has 11 MA's), (220, 38835),

Gene: Smoothie_126 Start: 71628, Stop: 71921, Start Num: 149
Candidate Starts for Smoothie_126:
(Start: 149 @71628 has 12 MA's), (177, 71676), (235, 71805),

Gene: SnapTap_58 Start: 38503, Stop: 38231, Start Num: 141
Candidate Starts for SnapTap_58:
(Start: 141 @38503 has 140 MA's), (Start: 158 @38494 has 17 MA's), (Start: 169 @38482 has 17 MA's), (Start: 172 @38476 has 11 MA's), (220, 38353),

Gene: Snape_57 Start: 37325, Stop: 37053, Start Num: 141
Candidate Starts for Snape_57:
(Start: 141 @37325 has 140 MA's), (Start: 158 @37316 has 17 MA's), (240, 37145),

Gene: SoJulia_33 Start: 28728, Stop: 28949, Start Num: 180
Candidate Starts for SoJulia_33:
(Start: 163 @28683 has 62 MA's), (Start: 180 @28728 has 8 MA's), (200, 28779), (241, 28845), (279, 28917), (287, 28938),

Gene: Soap141_32 Start: 28500, Stop: 28721, Start Num: 180
Candidate Starts for Soap141_32:
(Start: 163 @28455 has 62 MA's), (Start: 180 @28500 has 8 MA's), (200, 28551), (241, 28617), (279, 28689), (287, 28710),

Gene: Softsoap_36 Start: 25312, Stop: 25542, Start Num: 168
Candidate Starts for Softsoap_36:
(Start: 168 @25312 has 77 MA's),

Gene: SoilSleuth_9 Start: 6089, Stop: 5751, Start Num: 157
Candidate Starts for SoilSleuth_9:
(85, 6161), (93, 6146), (Start: 157 @6089 has 56 MA's), (177, 6050), (201, 5978), (220, 5939), (291, 5798),

Gene: Solea_37 Start: 25291, Stop: 25521, Start Num: 168
Candidate Starts for Solea_37:
(86, 25171), (99, 25195), (Start: 107 @25204 has 1 MA's), (109, 25207), (112, 25210), (Start: 159 @25282 has 8 MA's), (Start: 168 @25291 has 77 MA's),

Gene: Solimine_31 Start: 9914, Stop: 10162, Start Num: 165
Candidate Starts for Solimine_31:
(Start: 133 @9875 has 1 MA's), (Start: 165 @9914 has 73 MA's), (181, 9959), (196, 9995), (271, 10142),

Gene: Soondubu_31 Start: 26525, Stop: 26788, Start Num: 167
Candidate Starts for Soondubu_31:

(Start: 167 @26525 has 26 MA's), (258, 26723), (273, 26756),

Gene: SophKB_37 Start: 33134, Stop: 33379, Start Num: 164
Candidate Starts for SophKB_37:
(Start: 164 @33134 has 174 MA's), (Start: 186 @33191 has 3 MA's), (199, 33224), (201, 33230), (231, 33284), (240, 33296),

Gene: Sorvannah_9 Start: 6219, Stop: 5899, Start Num: 157
Candidate Starts for Sorvannah_9:
(Start: 157 @6219 has 56 MA's), (177, 6180), (181, 6168), (183, 6165), (261, 6000), (290, 5931),

Gene: Sotrice96_37 Start: 33089, Stop: 33334, Start Num: 164
Candidate Starts for Sotrice96_37:
(Start: 164 @33089 has 174 MA's), (Start: 186 @33146 has 3 MA's), (199, 33179), (201, 33185), (231, 33239), (240, 33251),

Gene: Soups_64 Start: 37890, Stop: 37621, Start Num: 152
Candidate Starts for Soups_64:
(15, 38334), (26, 38232), (Start: 152 @37890 has 22 MA's), (240, 37713),

Gene: SpeedDemon_860 Start: 59302, Stop: 59036, Start Num: 140
Candidate Starts for SpeedDemon_860:
(Start: 140 @59302 has 6 MA's), (176, 59254),

Gene: Splinter_63 Start: 40094, Stop: 40318, Start Num: 166
Candidate Starts for Splinter_63:
(Start: 166 @40094 has 9 MA's), (181, 40136), (199, 40181), (202, 40190), (231, 40241), (236, 40250),

Gene: Spouty_58 Start: 38291, Stop: 38019, Start Num: 141
Candidate Starts for Spouty_58:
(Start: 141 @38291 has 140 MA's), (Start: 158 @38282 has 17 MA's), (184, 38225), (198, 38189), (216, 38150), (231, 38123), (240, 38111),

Gene: Squint_50 Start: 40769, Stop: 40981, Start Num: 178
Candidate Starts for Squint_50:
(Start: 172 @40742 has 11 MA's), (Start: 178 @40769 has 1 MA's), (199, 40823), (200, 40826), (235, 40883), (255, 40919),

Gene: Squircle_33 Start: 24244, Stop: 24483, Start Num: 168
Candidate Starts for Squircle_33:
(9, 23623), (30, 23929), (Start: 168 @24244 has 77 MA's),

Gene: StCroix_45 Start: 34311, Stop: 34015, Start Num: 153
Candidate Starts for StCroix_45:
(Start: 153 @34311 has 38 MA's), (Start: 169 @34293 has 17 MA's), (Start: 172 @34287 has 11 MA's), (217, 34170), (236, 34137), (241, 34131), (274, 34071), (289, 34023),

Gene: StagePhright_9 Start: 6092, Stop: 5736, Start Num: 157
Candidate Starts for StagePhright_9:
(Start: 157 @6092 has 56 MA's), (177, 6053), (183, 6038), (216, 5951), (220, 5942), (277, 5834), (280, 5825), (290, 5786),

Gene: Stank_40 Start: 33641, Stop: 33886, Start Num: 164

Candidate Starts for Stank_40:
(Start: 164 @33641 has 174 MA's), (Start: 186 @33698 has 3 MA's), (199, 33731), (201, 33737), (231, 33791), (240, 33803),

Gene: StarStuff_60 Start: 38271, Stop: 37999, Start Num: 141
Candidate Starts for StarStuff_60:
(Start: 141 @38271 has 140 MA's), (Start: 158 @38262 has 17 MA's), (198, 38169), (240, 38091), (270, 38037),

Gene: Stark_38 Start: 32893, Stop: 33138, Start Num: 164
Candidate Starts for Stark_38:
(Start: 164 @32893 has 174 MA's), (Start: 186 @32950 has 3 MA's), (199, 32983), (201, 32989), (231, 33043), (240, 33055),

Gene: SteakFry_37 Start: 10186, Stop: 10440, Start Num: 165
Candidate Starts for SteakFry_37:
(146, 10171), (Start: 165 @10186 has 73 MA's), (181, 10231), (201, 10282), (210, 10300), (219, 10318),

Gene: Steamy_54 Start: 38003, Stop: 37731, Start Num: 141
Candidate Starts for Steamy_54:
(52, 38204), (Start: 141 @38003 has 140 MA's), (Start: 158 @37994 has 17 MA's), (Start: 172 @37976 has 11 MA's), (183, 37940), (198, 37901), (220, 37853), (231, 37835), (243, 37814), (247, 37811),

Gene: StellaBean_37 Start: 33134, Stop: 33379, Start Num: 164
Candidate Starts for StellaBean_37:
(Start: 164 @33134 has 174 MA's), (Start: 186 @33191 has 3 MA's), (199, 33224), (201, 33230), (231, 33284), (240, 33296),

Gene: Stellammi_36 Start: 29438, Stop: 29665, Start Num: 169
Candidate Starts for Stellammi_36:
(83, 29303), (Start: 105 @29342 has 1 MA's), (117, 29360), (128, 29381), (Start: 141 @29405 has 140 MA's), (Start: 150 @29417 has 14 MA's), (Start: 169 @29438 has 17 MA's), (187, 29495), (201, 29531), (236, 29591),

Gene: StevieWelch_35 Start: 10338, Stop: 10592, Start Num: 165
Candidate Starts for StevieWelch_35:
(146, 10323), (Start: 165 @10338 has 73 MA's), (181, 10383), (210, 10452), (219, 10470),

Gene: Stewart25555_99 Start: 83664, Stop: 83927, Start Num: 162
Candidate Starts for Stewart25555_99:
(Start: 162 @83664 has 9 MA's), (187, 83724), (254, 83853), (270, 83886),

Gene: StolenFromERC_39 Start: 33125, Stop: 33370, Start Num: 164
Candidate Starts for StolenFromERC_39:
(Start: 164 @33125 has 174 MA's), (Start: 186 @33182 has 3 MA's), (199, 33215), (201, 33221), (231, 33275), (240, 33287),

Gene: Stoor_37 Start: 26750, Stop: 26983, Start Num: 168
Candidate Starts for Stoor_37:
(82, 26621), (84, 26624), (92, 26642), (101, 26657), (109, 26666), (Start: 159 @26741 has 8 MA's), (Start: 168 @26750 has 77 MA's),

Gene: StormChicken_37 Start: 33309, Stop: 33554, Start Num: 164
Candidate Starts for StormChicken_37:
(Start: 164 @33309 has 174 MA's), (Start: 186 @33366 has 3 MA's), (199, 33399), (201, 33405), (231, 33459), (240, 33471),

Gene: Stormbreaker_9 Start: 6347, Stop: 6027, Start Num: 157
Candidate Starts for Stormbreaker_9:
(81, 6467), (96, 6437), (Start: 157 @6347 has 56 MA's), (181, 6296), (187, 6281), (206, 6233), (279, 6092),

Gene: Stromboli_37 Start: 26614, Stop: 26847, Start Num: 168
Candidate Starts for Stromboli_37:
(82, 26485), (84, 26488), (92, 26506), (99, 26518), (101, 26521), (109, 26530), (Start: 159 @26605 has 8 MA's), (Start: 168 @26614 has 77 MA's), (234, 26764),

Gene: Strosahl_64 Start: 37446, Stop: 37177, Start Num: 152
Candidate Starts for Strosahl_64:
(15, 37890), (19, 37866), (26, 37788), (Start: 152 @37446 has 22 MA's), (240, 37269),

Gene: Stuck_65 Start: 45144, Stop: 45389, Start Num: 158
Candidate Starts for Stuck_65:
(Start: 158 @45144 has 17 MA's), (Start: 169 @45156 has 17 MA's), (Start: 172 @45162 has 11 MA's), (199, 45228), (224, 45273), (242, 45303),

Gene: Studio_2 Start: 600, Stop: 863, Start Num: 161
Candidate Starts for Studio_2:
(Start: 161 @600 has 9 MA's),

Gene: SuMoo_44 Start: 27844, Stop: 28113, Start Num: 145
Candidate Starts for SuMoo_44:
(57, 27691), (69, 27730), (71, 27733), (Start: 145 @27844 has 16 MA's), (181, 27898), (190, 27931), (228, 28012), (257, 28057),

Gene: Subaru_34 Start: 26623, Stop: 26880, Start Num: 148
Candidate Starts for Subaru_34:
(38, 26386), (43, 26395), (Start: 148 @26623 has 16 MA's), (181, 26671), (239, 26788),

Gene: Sunflower1121_72 Start: 44050, Stop: 44289, Start Num: 165
Candidate Starts for Sunflower1121_72:
(Start: 104 @43966 has 2 MA's), (Start: 165 @44050 has 73 MA's), (Start: 172 @44059 has 11 MA's), (209, 44140), (238, 44194), (245, 44209),

Gene: SunnyD_36 Start: 24766, Stop: 24996, Start Num: 168
Candidate Starts for SunnyD_36:
(Start: 168 @24766 has 77 MA's), (183, 24811),

Gene: SunnyJune_47 Start: 33718, Stop: 34011, Start Num: 150
Candidate Starts for SunnyJune_47:
(114, 33658), (Start: 150 @33718 has 14 MA's), (177, 33769), (183, 33784), (201, 33832), (244, 33886), (253, 33898), (258, 33907), (290, 33991),

Gene: SuperHands_41 Start: 28766, Stop: 29023, Start Num: 145
Candidate Starts for SuperHands_41:

(Start: 145 @28766 has 16 MA's), (181, 28820), (236, 28946), (243, 28958), (255, 28970),

Gene: Superchunk_56 Start: 36944, Stop: 36672, Start Num: 121
Candidate Starts for Superchunk_56:
(Start: 121 @36944 has 12 MA's), (Start: 172 @36917 has 11 MA's), (220, 36794), (229, 36782),

Gene: Superphikiman_51 Start: 40814, Stop: 41053, Start Num: 172
Candidate Starts for Superphikiman_51:
(Start: 172 @40814 has 11 MA's), (Start: 178 @40841 has 1 MA's), (199, 40895), (200, 40898), (235, 40955), (255, 40991),

Gene: Swann_46 Start: 34296, Stop: 34000, Start Num: 153
Candidate Starts for Swann_46:
(Start: 153 @34296 has 38 MA's), (Start: 169 @34278 has 17 MA's), (Start: 172 @34272 has 11 MA's), (217, 34155), (236, 34122), (241, 34116), (274, 34056), (289, 34008),

Gene: Sweetclover_51 Start: 33033, Stop: 33266, Start Num: 164
Candidate Starts for Sweetclover_51:
(95, 32928), (Start: 164 @33033 has 174 MA's), (187, 33096), (217, 33168),

Gene: SweetiePie_58 Start: 38635, Stop: 38363, Start Num: 141
Candidate Starts for SweetiePie_58:
(Start: 141 @38635 has 140 MA's), (Start: 158 @38626 has 17 MA's), (Start: 169 @38614 has 17 MA's), (Start: 172 @38608 has 11 MA's),

Gene: Swervy_37 Start: 25456, Stop: 25698, Start Num: 168
Candidate Starts for Swervy_37:
(Start: 168 @25456 has 77 MA's), (276, 25690),

Gene: SwirlSquare_61 Start: 37866, Stop: 37594, Start Num: 141
Candidate Starts for SwirlSquare_61:
(Start: 141 @37866 has 140 MA's), (Start: 172 @37839 has 11 MA's), (187, 37791), (212, 37734), (240, 37686), (250, 37668),

Gene: SwissCheezer_9 Start: 6356, Stop: 6036, Start Num: 157
Candidate Starts for SwissCheezer_9:
(96, 6446), (Start: 157 @6356 has 56 MA's), (181, 6305), (187, 6290), (206, 6242), (279, 6101),

Gene: Switzerland_63 Start: 37766, Stop: 37497, Start Num: 152
Candidate Starts for Switzerland_63:
(15, 38210), (26, 38108), (Start: 152 @37766 has 22 MA's), (240, 37589),

Gene: Syleon_115 Start: 63553, Stop: 63789, Start Num: 157
Candidate Starts for Syleon_115:
(Start: 157 @63553 has 56 MA's), (173, 63568), (189, 63631), (208, 63673), (211, 63682), (227, 63715), (255, 63757),

Gene: Syra333_70 Start: 43764, Stop: 44003, Start Num: 165
Candidate Starts for Syra333_70:
(Start: 104 @43680 has 2 MA's), (Start: 165 @43764 has 73 MA's), (Start: 172 @43773 has 11 MA's), (209, 43854), (238, 43908), (245, 43923),

Gene: TBond007_64 Start: 43622, Stop: 43864, Start Num: 165

Candidate Starts for TBond007_64:
(Start: 165 @43622 has 73 MA's), (177, 43655), (209, 43712), (220, 43739), (241, 43772), (245, 43784),

Gene: TBrady12_39 Start: 33125, Stop: 33370, Start Num: 164
Candidate Starts for TBrady12_39:
(Start: 164 @33125 has 174 MA's), (Start: 186 @33182 has 3 MA's), (199, 33215), (201, 33221), (231, 33275), (240, 33287),

Gene: TMaxx_3 Start: 937, Stop: 1194, Start Num: 167
Candidate Starts for TMaxx_3:
(98, 838), (106, 850), (Start: 167 @937 has 26 MA's),

Gene: TWAMP_46 Start: 34298, Stop: 34002, Start Num: 153
Candidate Starts for TWAMP_46:
(Start: 153 @34298 has 38 MA's), (Start: 169 @34280 has 17 MA's), (Start: 172 @34274 has 11 MA's), (217, 34157), (236, 34124), (241, 34118), (274, 34058), (289, 34010),

Gene: TZGordon_64 Start: 38982, Stop: 39206, Start Num: 166
Candidate Starts for TZGordon_64:
(Start: 166 @38982 has 9 MA's), (181, 39024), (199, 39069), (202, 39078), (231, 39129), (236, 39138),

Gene: Tailonex_48 Start: 37705, Stop: 37427, Start Num: 139
Candidate Starts for Tailonex_48:
(Start: 139 @37705 has 1 MA's), (Start: 186 @37630 has 3 MA's), (259, 37504),

Gene: TaiwanKao_69 Start: 44172, Stop: 44417, Start Num: 165
Candidate Starts for TaiwanKao_69:
(Start: 165 @44172 has 73 MA's), (209, 44262), (259, 44358), (282, 44409),

Gene: Takoda_46 Start: 34472, Stop: 34176, Start Num: 153
Candidate Starts for Takoda_46:
(Start: 153 @34472 has 38 MA's), (Start: 169 @34454 has 17 MA's), (Start: 172 @34448 has 11 MA's), (217, 34331), (236, 34298), (241, 34292), (274, 34232), (289, 34184),

Gene: Tandem_28 Start: 9118, Stop: 9372, Start Num: 165
Candidate Starts for Tandem_28:
(129, 9070), (Start: 149 @9103 has 12 MA's), (Start: 165 @9118 has 73 MA's), (181, 9163), (196, 9199), (240, 9286),

Gene: Tarkin_39 Start: 34124, Stop: 34369, Start Num: 164
Candidate Starts for Tarkin_39:
(Start: 164 @34124 has 174 MA's), (Start: 186 @34181 has 3 MA's), (199, 34214), (201, 34220), (231, 34274), (240, 34286),

Gene: Tbone_32 Start: 24550, Stop: 24816, Start Num: 148
Candidate Starts for Tbone_32:
(38, 24292), (47, 24328), (Start: 148 @24550 has 16 MA's), (236, 24733),

Gene: Teagster_37 Start: 25597, Stop: 25827, Start Num: 168
Candidate Starts for Teagster_37:
(Start: 168 @25597 has 77 MA's), (183, 25642),

Gene: TeamEdward_37 Start: 33306, Stop: 33551, Start Num: 164
Candidate Starts for TeamEdward_37:
(Start: 164 @33306 has 174 MA's), (Start: 186 @33363 has 3 MA's), (199, 33396), (201, 33402), (231, 33456), (240, 33468),

Gene: TeardropMSU_36 Start: 33035, Stop: 33280, Start Num: 164
Candidate Starts for TeardropMSU_36:
(Start: 164 @33035 has 174 MA's), (Start: 186 @33092 has 3 MA's), (199, 33125), (201, 33131), (231, 33185), (240, 33197),

Gene: Teaspoon_38 Start: 33088, Stop: 33333, Start Num: 164
Candidate Starts for Teaspoon_38:
(Start: 164 @33088 has 174 MA's), (Start: 186 @33145 has 3 MA's), (199, 33178), (201, 33184), (231, 33238), (240, 33250),

Gene: Teejan_57 Start: 43554, Stop: 43799, Start Num: 165
Candidate Starts for Teejan_57:
(Start: 104 @43482 has 2 MA's), (Start: 165 @43554 has 73 MA's), (214, 43659), (241, 43701), (259, 43737),

Gene: Terminus_37 Start: 33222, Stop: 33467, Start Num: 164
Candidate Starts for Terminus_37:
(Start: 164 @33222 has 174 MA's), (Start: 186 @33279 has 3 MA's), (199, 33312), (201, 33318), (231, 33372), (240, 33384),

Gene: TforTroy_34 Start: 25368, Stop: 25634, Start Num: 148
Candidate Starts for TforTroy_34:
(Start: 148 @25368 has 16 MA's), (236, 25551),

Gene: Thibault_45 Start: 41387, Stop: 41626, Start Num: 172
Candidate Starts for Thibault_45:
(Start: 172 @41387 has 11 MA's), (Start: 178 @41414 has 1 MA's), (199, 41468), (200, 41471), (235, 41528), (255, 41564),

Gene: Thimble_37 Start: 32085, Stop: 32330, Start Num: 164
Candidate Starts for Thimble_37:
(Start: 164 @32085 has 174 MA's), (Start: 186 @32142 has 3 MA's), (199, 32175), (201, 32181), (231, 32235), (240, 32247),

Gene: ThirteenKH_9 Start: 6080, Stop: 5724, Start Num: 157
Candidate Starts for ThirteenKH_9:
(Start: 157 @6080 has 56 MA's), (177, 6041), (183, 6026), (220, 5930), (280, 5813), (290, 5774),

Gene: Thonko_81 Start: 61339, Stop: 61569, Start Num: 172
Candidate Starts for Thonko_81:
(98, 61228), (Start: 145 @61303 has 16 MA's), (Start: 172 @61339 has 11 MA's), (249, 61489),

Gene: ThreeRngTarjay_50 Start: 44296, Stop: 44541, Start Num: 164
Candidate Starts for ThreeRngTarjay_50:
(Start: 164 @44296 has 174 MA's), (187, 44359), (199, 44389), (200, 44392), (236, 44452), (240, 44455), (241, 44458),

Gene: Thresher_38 Start: 33889, Stop: 34134, Start Num: 164

Candidate Starts for Thresher_38:
(Start: 164 @33889 has 174 MA's), (Start: 186 @33946 has 3 MA's), (199, 33979), (201, 33985), (231, 34039), (240, 34051),

Gene: ThursdayNight_38 Start: 26453, Stop: 26713, Start Num: 135
Candidate Starts for ThursdayNight_38:
(46, 26240), (47, 26249), (Start: 135 @26453 has 1 MA's), (236, 26624),

Gene: TicTac_9 Start: 6319, Stop: 5996, Start Num: 157
Candidate Starts for TicTac_9:
(62, 6487), (83, 6436), (Start: 157 @6319 has 56 MA's), (181, 6268), (187, 6253), (206, 6205), (263, 6097), (286, 6049), (290, 6031),

Gene: Tigress9_71 Start: 44081, Stop: 44320, Start Num: 165
Candidate Starts for Tigress9_71:
(Start: 104 @43997 has 2 MA's), (Start: 165 @44081 has 73 MA's), (Start: 172 @44090 has 11 MA's), (209, 44171), (238, 44225), (245, 44240),

Gene: Timothy_57 Start: 37302, Stop: 37030, Start Num: 141
Candidate Starts for Timothy_57:
(Start: 141 @37302 has 140 MA's), (Start: 158 @37293 has 17 MA's), (240, 37122),

Gene: TinaLin_62 Start: 38825, Stop: 39049, Start Num: 166
Candidate Starts for TinaLin_62:
(Start: 166 @38825 has 9 MA's), (181, 38867), (199, 38912), (202, 38921), (231, 38972), (236, 38981), (249, 39002),

Gene: TiniBug_67 Start: 44358, Stop: 44600, Start Num: 165
Candidate Starts for TiniBug_67:
(Start: 165 @44358 has 73 MA's), (209, 44448), (259, 44544), (270, 44568),

Gene: TinyTimmy_57 Start: 37351, Stop: 37079, Start Num: 141
Candidate Starts for TinyTimmy_57:
(Start: 141 @37351 has 140 MA's), (Start: 158 @37342 has 17 MA's), (240, 37171),

Gene: TinyTimothy_9 Start: 6219, Stop: 5899, Start Num: 157
Candidate Starts for TinyTimothy_9:
(Start: 157 @6219 has 56 MA's), (177, 6180), (181, 6168), (261, 6000), (290, 5931),

Gene: TipsytheTRex_54 Start: 37698, Stop: 37426, Start Num: 141
Candidate Starts for TipsytheTRex_54:
(81, 37770), (85, 37758), (Start: 141 @37698 has 140 MA's), (Start: 169 @37677 has 17 MA's), (Start: 172 @37671 has 11 MA's), (220, 37548), (229, 37536),

Gene: Tiri_67 Start: 43756, Stop: 43998, Start Num: 165
Candidate Starts for Tiri_67:
(Start: 165 @43756 has 73 MA's), (181, 43801), (209, 43846), (259, 43942),

Gene: Toaka_58 Start: 38206, Stop: 37934, Start Num: 141
Candidate Starts for Toaka_58:
(Start: 141 @38206 has 140 MA's), (Start: 158 @38197 has 17 MA's), (220, 38056), (231, 38038),

Gene: Tomaszewski_36 Start: 32732, Stop: 32977, Start Num: 164

Candidate Starts for Tomaszewski_36:
(Start: 164 @32732 has 174 MA's), (Start: 186 @32789 has 3 MA's), (199, 32822), (201, 32828), (229, 32876), (231, 32882), (240, 32894),

Gene: Tomathan_60 Start: 38318, Stop: 38046, Start Num: 141
Candidate Starts for Tomathan_60:
(Start: 141 @38318 has 140 MA's), (Start: 158 @38309 has 17 MA's), (198, 38216), (240, 38138), (270, 38084),

Gene: Toniann_125 Start: 71160, Stop: 71450, Start Num: 150
Candidate Starts for Toniann_125:
(86, 71052), (94, 71067), (122, 71112), (Start: 150 @71160 has 14 MA's), (177, 71205), (235, 71334),

Gene: Torres_58 Start: 43555, Stop: 43800, Start Num: 165
Candidate Starts for Torres_58:
(Start: 104 @43483 has 2 MA's), (Start: 165 @43555 has 73 MA's), (214, 43660), (241, 43702), (259, 43738),

Gene: Toto_37 Start: 33135, Stop: 33380, Start Num: 164
Candidate Starts for Toto_37:
(Start: 164 @33135 has 174 MA's), (Start: 186 @33192 has 3 MA's), (199, 33225), (201, 33231), (231, 33285), (240, 33297),

Gene: Tourach_32 Start: 28413, Stop: 28679, Start Num: 163
Candidate Starts for Tourach_32:
(Start: 163 @28413 has 62 MA's), (Start: 180 @28458 has 8 MA's), (200, 28509), (279, 28647), (287, 28668),

Gene: Towmatter_75 Start: 53043, Stop: 52786, Start Num: 140
Candidate Starts for Towmatter_75:
(111, 53094), (Start: 121 @53079 has 12 MA's), (124, 53070), (126, 53067), (Start: 140 @53043 has 6 MA's), (236, 52872),

Gene: Traaww1_35 Start: 32773, Stop: 33018, Start Num: 164
Candidate Starts for Traaww1_35:
(Start: 164 @32773 has 174 MA's), (Start: 186 @32830 has 3 MA's), (199, 32863), (201, 32869), (231, 32923), (240, 32935),

Gene: Travvers_60 Start: 38268, Stop: 37996, Start Num: 141
Candidate Starts for Travvers_60:
(Start: 141 @38268 has 140 MA's), (Start: 158 @38259 has 17 MA's), (198, 38166), (240, 38088), (270, 38034),

Gene: Trax_113 Start: 64896, Stop: 65138, Start Num: 157
Candidate Starts for Trax_113:
(119, 64836), (Start: 157 @64896 has 56 MA's), (193, 64989), (195, 64992), (196, 64995), (211, 65031), (226, 65061), (255, 65106),

Gene: TreyKay_68 Start: 44110, Stop: 44352, Start Num: 165
Candidate Starts for TreyKay_68:
(Start: 165 @44110 has 73 MA's), (209, 44200), (259, 44296),

Gene: Trice_55 Start: 40942, Stop: 41187, Start Num: 165

Candidate Starts for Trice_55:
(Start: 104 @40870 has 2 MA's), (Start: 165 @40942 has 73 MA's), (214, 41047), (241, 41089), (259, 41125),

Gene: TripleC_6 Start: 4398, Stop: 4658, Start Num: 164
Candidate Starts for TripleC_6:
(Start: 164 @4398 has 174 MA's), (Start: 169 @4404 has 17 MA's), (195, 4488), (271, 4617),

Gene: TrippleS_9 Start: 6080, Stop: 5724, Start Num: 157
Candidate Starts for TrippleS_9:
(Start: 157 @6080 has 56 MA's), (177, 6041), (183, 6026), (220, 5930), (280, 5813), (290, 5774),

Gene: Truong_9 Start: 6089, Stop: 5751, Start Num: 157
Candidate Starts for Truong_9:
(85, 6161), (Start: 157 @6089 has 56 MA's), (177, 6050), (201, 5978), (220, 5939), (291, 5798),

Gene: Tubs_58 Start: 38225, Stop: 37953, Start Num: 141
Candidate Starts for Tubs_58:
(Start: 141 @38225 has 140 MA's), (Start: 158 @38216 has 17 MA's), (184, 38159), (198, 38123), (216, 38084), (231, 38057), (240, 38045),

Gene: Tuck_36 Start: 27187, Stop: 27453, Start Num: 148
Candidate Starts for Tuck_36:
(38, 26950), (43, 26959), (Start: 148 @27187 has 16 MA's),

Gene: Tuco_38 Start: 33643, Stop: 33888, Start Num: 164
Candidate Starts for Tuco_38:
(Start: 164 @33643 has 174 MA's), (Start: 186 @33700 has 3 MA's), (199, 33733), (201, 33739), (231, 33793), (240, 33805),

Gene: TukTuk_37 Start: 25527, Stop: 25769, Start Num: 168
Candidate Starts for TukTuk_37:
(Start: 168 @25527 has 77 MA's), (225, 25668),

Gene: Turab_32 Start: 24438, Stop: 24704, Start Num: 145
Candidate Starts for Turab_32:
(13, 23982), (38, 24183), (47, 24219), (Start: 145 @24438 has 16 MA's), (236, 24621),

Gene: Turbido_59 Start: 38719, Stop: 38447, Start Num: 141
Candidate Starts for Turbido_59:
(Start: 141 @38719 has 140 MA's), (Start: 158 @38710 has 17 MA's), (Start: 169 @38698 has 17 MA's), (Start: 172 @38692 has 11 MA's),

Gene: Tutumahutu_33 Start: 24722, Stop: 24988, Start Num: 148
Candidate Starts for Tutumahutu_33:
(38, 24464), (47, 24500), (Start: 148 @24722 has 16 MA's), (236, 24905),

Gene: Tyson_30 Start: 27735, Stop: 27959, Start Num: 180
Candidate Starts for Tyson_30:
(Start: 163 @27690 has 62 MA's), (Start: 180 @27735 has 8 MA's), (235, 27843),

Gene: UPIE_30 Start: 27688, Stop: 27957, Start Num: 163
Candidate Starts for UPIE_30:

(Start: 163 @27688 has 62 MA's), (Start: 180 @27733 has 8 MA's), (235, 27841),

Gene: Ugenie5_55 Start: 38510, Stop: 38238, Start Num: 141
Candidate Starts for Ugenie5_55:
(Start: 141 @38510 has 140 MA's), (Start: 158 @38501 has 17 MA's), (184, 38444), (198, 38408), (216, 38369), (231, 38342), (240, 38330),

Gene: UhSalsa_46 Start: 34231, Stop: 33935, Start Num: 153
Candidate Starts for UhSalsa_46:
(Start: 153 @34231 has 38 MA's), (Start: 169 @34213 has 17 MA's), (Start: 172 @34207 has 11 MA's), (217, 34090), (236, 34057), (241, 34051), (274, 33991), (289, 33943),

Gene: Ukulele_37 Start: 32893, Stop: 33138, Start Num: 164
Candidate Starts for Ukulele_37:
(Start: 164 @32893 has 174 MA's), (Start: 186 @32950 has 3 MA's), (199, 32983), (201, 32989), (231, 33043), (240, 33055),

Gene: Underpass_32 Start: 28424, Stop: 28690, Start Num: 163
Candidate Starts for Underpass_32:
(Start: 163 @28424 has 62 MA's), (Start: 180 @28469 has 8 MA's), (200, 28520), (241, 28586), (279, 28658), (287, 28679),

Gene: Unphazed_9 Start: 6368, Stop: 6045, Start Num: 157
Candidate Starts for Unphazed_9:
(Start: 157 @6368 has 56 MA's), (181, 6317), (196, 6272), (206, 6254), (261, 6149), (286, 6098),

Gene: Urkel_67 Start: 44362, Stop: 44604, Start Num: 165
Candidate Starts for Urkel_67:
(Start: 165 @44362 has 73 MA's), (209, 44452), (259, 44548), (270, 44572),

Gene: Uterion_33 Start: 10006, Stop: 10254, Start Num: 165
Candidate Starts for Uterion_33:
(Start: 133 @9967 has 1 MA's), (Start: 165 @10006 has 73 MA's), (181, 10051), (196, 10087), (271, 10234),

Gene: UtzChips_41 Start: 26893, Stop: 27153, Start Num: 145
Candidate Starts for UtzChips_41:
(66, 26767), (Start: 145 @26893 has 16 MA's),

Gene: VC3_61 Start: 38705, Stop: 38394, Start Num: 121
Candidate Starts for VC3_61:
(Start: 121 @38705 has 12 MA's), (Start: 141 @38666 has 140 MA's), (Start: 158 @38657 has 17 MA's), (198, 38564), (220, 38516), (240, 38486),

Gene: VResidence_33 Start: 24693, Stop: 24935, Start Num: 167
Candidate Starts for VResidence_33:
(Start: 167 @24693 has 26 MA's), (185, 24747), (239, 24855),

Gene: Vanisoa_58 Start: 39326, Stop: 39054, Start Num: 141
Candidate Starts for Vanisoa_58:
(Start: 141 @39326 has 140 MA's), (Start: 158 @39317 has 17 MA's), (184, 39260), (198, 39224), (220, 39176), (240, 39146), (243, 39137),

Gene: Vendetta_63 Start: 40094, Stop: 40318, Start Num: 166
Candidate Starts for Vendetta_63:
(Start: 166 @40094 has 9 MA's), (181, 40136), (199, 40181), (202, 40190), (231, 40241), (236, 40250),

Gene: Vetrix_32 Start: 28428, Stop: 28694, Start Num: 163
Candidate Starts for Vetrix_32:
(Start: 163 @28428 has 62 MA's), (Start: 180 @28473 has 8 MA's), (200, 28524), (241, 28590), (279, 28662), (287, 28683),

Gene: Vibaki_39 Start: 33279, Stop: 33614, Start Num: 138
Candidate Starts for Vibaki_39:
(Start: 138 @33279 has 2 MA's), (Start: 150 @33294 has 14 MA's), (257, 33507), (258, 33510), (288, 33585),

Gene: Vitas_33 Start: 23412, Stop: 23642, Start Num: 168
Candidate Starts for Vitas_33:
(45, 23160), (53, 23190), (Start: 159 @23403 has 8 MA's), (Start: 168 @23412 has 77 MA's), (199, 23499), (261, 23604), (276, 23634),

Gene: Vitus_40 Start: 32270, Stop: 32614, Start Num: 138
Candidate Starts for Vitus_40:
(25, 31940), (Start: 138 @32270 has 2 MA's), (Start: 150 @32285 has 14 MA's), (183, 32351), (195, 32381), (219, 32438), (248, 32492), (257, 32504), (288, 32582),

Gene: Volt_121 Start: 57210, Stop: 57449, Start Num: 170
Candidate Starts for Volt_121:
(Start: 170 @57210 has 6 MA's), (219, 57333), (260, 57405), (262, 57408),

Gene: VroomVroom_39 Start: 26557, Stop: 26892, Start Num: 154
Candidate Starts for VroomVroom_39:
(Start: 154 @26557 has 15 MA's), (249, 26749),

Gene: WaddleDee_95 Start: 82115, Stop: 82375, Start Num: 162
Candidate Starts for WaddleDee_95:
(Start: 162 @82115 has 9 MA's), (254, 82304), (268, 82334), (270, 82337),

Gene: Waits_64 Start: 37663, Stop: 37394, Start Num: 152
Candidate Starts for Waits_64:
(15, 38107), (19, 38083), (26, 38005), (Start: 152 @37663 has 22 MA's), (240, 37486),

Gene: WalkingDead_38 Start: 27005, Stop: 27238, Start Num: 168
Candidate Starts for WalkingDead_38:
(82, 26876), (84, 26879), (92, 26897), (99, 26909), (101, 26912), (109, 26921), (Start: 159 @26996 has 8 MA's), (Start: 168 @27005 has 77 MA's),

Gene: Wamburgrxpress_30 Start: 27703, Stop: 27972, Start Num: 163
Candidate Starts for Wamburgrxpress_30:
(Start: 163 @27703 has 62 MA's), (Start: 180 @27748 has 8 MA's), (235, 27856),

Gene: Wanda_58 Start: 44007, Stop: 44255, Start Num: 164
Candidate Starts for Wanda_58:
(Start: 164 @44007 has 174 MA's), (220, 44139),

Gene: Warrior24_66 Start: 38097, Stop: 37828, Start Num: 152
Candidate Starts for Warrior24_66:
(Start: 152 @38097 has 22 MA's), (240, 37920),

Gene: WaterT_52 Start: 33281, Stop: 33520, Start Num: 169
Candidate Starts for WaterT_52:
(Start: 169 @33281 has 17 MA's), (187, 33338), (198, 33365), (201, 33374),

Gene: Waterlily_9 Start: 6089, Stop: 5751, Start Num: 157
Candidate Starts for Waterlily_9:
(85, 6161), (Start: 157 @6089 has 56 MA's), (177, 6050), (201, 5978), (220, 5939), (243, 5897), (291, 5798),

Gene: Weiss13_40 Start: 36088, Stop: 36333, Start Num: 158
Candidate Starts for Weiss13_40:
(130, 36046), (Start: 158 @36088 has 17 MA's), (173, 36109), (177, 36130), (Start: 186 @36154 has 3 MA's), (187, 36157), (235, 36256), (236, 36259), (241, 36262),

Gene: Welcome_36 Start: 10355, Stop: 10609, Start Num: 165
Candidate Starts for Welcome_36:
(39, 10088), (146, 10340), (Start: 165 @10355 has 73 MA's), (181, 10400), (201, 10451), (210, 10469), (219, 10487),

Gene: Wesak_9 Start: 6219, Stop: 5899, Start Num: 157
Candidate Starts for Wesak_9:
(Start: 157 @6219 has 56 MA's), (177, 6180), (181, 6168), (183, 6165), (261, 6000), (290, 5931),

Gene: Whabigail7_59 Start: 38704, Stop: 38432, Start Num: 141
Candidate Starts for Whabigail7_59:
(Start: 141 @38704 has 140 MA's), (Start: 158 @38695 has 17 MA's), (Start: 169 @38683 has 17 MA's), (Start: 172 @38677 has 11 MA's), (220, 38554),

Gene: Whirlwind_32 Start: 28525, Stop: 28791, Start Num: 163
Candidate Starts for Whirlwind_32:
(Start: 134 @28486 has 1 MA's), (Start: 163 @28525 has 62 MA's), (Start: 172 @28537 has 11 MA's), (Start: 180 @28570 has 8 MA's), (199, 28618),

Gene: Wiggin_40 Start: 33639, Stop: 33884, Start Num: 164
Candidate Starts for Wiggin_40:
(Start: 164 @33639 has 174 MA's), (Start: 186 @33696 has 3 MA's), (199, 33729), (201, 33735), (231, 33789), (240, 33801),

Gene: Wigglewiggle_32 Start: 28454, Stop: 28720, Start Num: 163
Candidate Starts for Wigglewiggle_32:
(Start: 163 @28454 has 62 MA's), (Start: 180 @28499 has 8 MA's), (200, 28550), (241, 28616), (279, 28688), (287, 28709),

Gene: Wildcat_53 Start: 39356, Stop: 39604, Start Num: 163
Candidate Starts for Wildcat_53:
(Start: 163 @39356 has 62 MA's), (191, 39437), (217, 39485), (236, 39518), (239, 39521), (240, 39524), (258, 39557), (278, 39593),

Gene: Wilder_32 Start: 28427, Stop: 28693, Start Num: 163

Candidate Starts for Wilder_32:
(Start: 163 @28427 has 62 MA's), (Start: 180 @28472 has 8 MA's), (200, 28523), (241, 28589), (279, 28661), (287, 28682),

Gene: Willez_36 Start: 32639, Stop: 32884, Start Num: 164
Candidate Starts for Willez_36:
(Start: 164 @32639 has 174 MA's), (Start: 186 @32696 has 3 MA's), (199, 32729), (201, 32735), (231, 32789), (240, 32801),

Gene: WilliamBoone_123 Start: 68402, Stop: 68692, Start Num: 150
Candidate Starts for WilliamBoone_123:
(Start: 107 @68330 has 1 MA's), (Start: 150 @68402 has 14 MA's), (235, 68576), (239, 68582),

Gene: Winky_32 Start: 28422, Stop: 28688, Start Num: 163
Candidate Starts for Winky_32:
(Start: 163 @28422 has 62 MA's), (Start: 180 @28467 has 8 MA's), (200, 28518), (241, 28584), (279, 28656), (287, 28677),

Gene: Wolfstar_31 Start: 9938, Stop: 10189, Start Num: 165
Candidate Starts for Wolfstar_31:
(20, 9515), (24, 9551), (Start: 137 @9908 has 1 MA's), (142, 9914), (Start: 165 @9938 has 73 MA's), (181, 9983), (196, 10019), (240, 10106),

Gene: Wolpertinger_56 Start: 37334, Stop: 37062, Start Num: 141
Candidate Starts for Wolpertinger_56:
(Start: 141 @37334 has 140 MA's), (Start: 158 @37325 has 17 MA's), (240, 37154),

Gene: WorldCup_57 Start: 37992, Stop: 37720, Start Num: 141
Candidate Starts for WorldCup_57:
(Start: 141 @37992 has 140 MA's), (Start: 158 @37983 has 17 MA's), (184, 37926), (198, 37890), (220, 37842),

Gene: Wyatt2_30 Start: 27690, Stop: 27959, Start Num: 163
Candidate Starts for Wyatt2_30:
(Start: 163 @27690 has 62 MA's), (Start: 180 @27735 has 8 MA's), (235, 27843),

Gene: Xandras_39 Start: 33125, Stop: 33370, Start Num: 164
Candidate Starts for Xandras_39:
(Start: 164 @33125 has 174 MA's), (Start: 186 @33182 has 3 MA's), (199, 33215), (201, 33221), (231, 33275), (240, 33287),

Gene: Xiaokay_47 Start: 41033, Stop: 41281, Start Num: 164
Candidate Starts for Xiaokay_47:
(Start: 164 @41033 has 174 MA's), (Start: 178 @41072 has 1 MA's), (199, 41126), (200, 41129), (235, 41186), (255, 41222), (279, 41270),

Gene: Ximenita_72 Start: 44093, Stop: 44332, Start Num: 165
Candidate Starts for Ximenita_72:
(Start: 104 @44009 has 2 MA's), (Start: 165 @44093 has 73 MA's), (Start: 172 @44102 has 11 MA's), (209, 44183), (245, 44252),

Gene: Xitlalli_9 Start: 6353, Stop: 6033, Start Num: 157
Candidate Starts for Xitlalli_9:

(96, 6443), (Start: 157 @6353 has 56 MA's), (181, 6302), (187, 6287), (206, 6239), (279, 6098),

Gene: Y10_67 Start: 43533, Stop: 43847, Start Num: 154
Candidate Starts for Y10_67:
(Start: 154 @43533 has 15 MA's), (Start: 169 @43548 has 17 MA's), (177, 43578), (209, 43635),

Gene: Y2_67 Start: 43533, Stop: 43847, Start Num: 154
Candidate Starts for Y2_67:
(Start: 154 @43533 has 15 MA's), (Start: 169 @43548 has 17 MA's), (177, 43578), (209, 43635),

Gene: Yafa_9 Start: 6095, Stop: 5739, Start Num: 157
Candidate Starts for Yafa_9:
(Start: 157 @6095 has 56 MA's), (177, 6056), (183, 6041), (220, 5945), (280, 5828), (290, 5789),

Gene: Yang_33 Start: 24867, Stop: 25133, Start Num: 148
Candidate Starts for Yang_33:
(38, 24609), (47, 24645), (Start: 148 @24867 has 16 MA's), (236, 25050),

Gene: Yappy_50 Start: 13369, Stop: 13620, Start Num: 139
Candidate Starts for Yappy_50:
(Start: 139 @13369 has 1 MA's), (Start: 167 @13402 has 26 MA's), (173, 13414), (181, 13447), (190, 13480),

Gene: YassJohnny_38 Start: 33650, Stop: 33895, Start Num: 164
Candidate Starts for YassJohnny_38:
(Start: 164 @33650 has 174 MA's), (Start: 186 @33707 has 3 MA's), (199, 33740), (201, 33746), (231, 33800), (240, 33812),

Gene: Yecey3_59 Start: 38093, Stop: 37821, Start Num: 141
Candidate Starts for Yecey3_59:
(Start: 141 @38093 has 140 MA's), (Start: 158 @38084 has 17 MA's), (184, 38027), (198, 37991), (220, 37943), (231, 37925),

Gene: Yeet_50 Start: 43428, Stop: 43673, Start Num: 164
Candidate Starts for Yeet_50:
(Start: 164 @43428 has 174 MA's), (187, 43491), (199, 43521), (200, 43524), (236, 43584), (240, 43587), (241, 43590),

Gene: YellowPanda_9 Start: 6219, Stop: 5899, Start Num: 157
Candidate Starts for YellowPanda_9:
(Start: 157 @6219 has 56 MA's), (177, 6180), (181, 6168), (183, 6165), (261, 6000), (290, 5931),

Gene: Yelo_40 Start: 36381, Stop: 36626, Start Num: 158
Candidate Starts for Yelo_40:
(130, 36339), (Start: 158 @36381 has 17 MA's), (173, 36402), (177, 36423), (187, 36450), (235, 36549), (236, 36552), (241, 36555), (275, 36606),

Gene: YesChef_33 Start: 24727, Stop: 24969, Start Num: 167
Candidate Starts for YesChef_33:
(Start: 167 @24727 has 26 MA's), (236, 24886),

Gene: Yogi_45 Start: 34272, Stop: 33976, Start Num: 153
Candidate Starts for Yogi_45:

(Start: 153 @34272 has 38 MA's), (Start: 169 @34254 has 17 MA's), (Start: 172 @34248 has 11 MA's), (217, 34131), (236, 34098), (241, 34092), (274, 34032), (289, 33984),

Gene: Yoncess_45 Start: 34052, Stop: 33756, Start Num: 153
Candidate Starts for Yoncess_45:
(Start: 153 @34052 has 38 MA's), (Start: 169 @34034 has 17 MA's), (Start: 172 @34028 has 11 MA's), (217, 33911), (236, 33878), (241, 33872), (274, 33812), (289, 33764),

Gene: Yotsuba_51 Start: 37228, Stop: 37476, Start Num: 164
Candidate Starts for Yotsuba_51:
(Start: 164 @37228 has 174 MA's), (201, 37327), (203, 37333), (235, 37387), (236, 37390), (243, 37396), (277, 37465),

Gene: Youngblood_37 Start: 33295, Stop: 33540, Start Num: 164
Candidate Starts for Youngblood_37:
(Start: 164 @33295 has 174 MA's), (Start: 186 @33352 has 3 MA's), (199, 33385), (201, 33391), (229, 33439), (231, 33445), (240, 33457),

Gene: Yuma_34 Start: 10257, Stop: 10511, Start Num: 165
Candidate Starts for Yuma_34:
(146, 10242), (Start: 165 @10257 has 73 MA's), (181, 10302), (240, 10425),

Gene: Yuna_71 Start: 45201, Stop: 45449, Start Num: 165
Candidate Starts for Yuna_71:
(Start: 104 @45129 has 2 MA's), (Start: 165 @45201 has 73 MA's), (209, 45291), (241, 45351), (270, 45411),

Gene: Yvonnetastic_129 Start: 73454, Stop: 73753, Start Num: 149
Candidate Starts for Yvonnetastic_129:
(Start: 149 @73454 has 12 MA's), (181, 73514), (195, 73556), (201, 73565), (216, 73601), (235, 73631),

Gene: Zakai_32 Start: 28678, Stop: 28944, Start Num: 163
Candidate Starts for Zakai_32:
(Start: 163 @28678 has 62 MA's), (Start: 180 @28723 has 8 MA's), (241, 28840), (287, 28933),

Gene: Zaria_30 Start: 27704, Stop: 27973, Start Num: 163
Candidate Starts for Zaria_30:
(Start: 163 @27704 has 62 MA's), (Start: 180 @27749 has 8 MA's), (235, 27857),

Gene: Zelink_53 Start: 45222, Stop: 45467, Start Num: 164
Candidate Starts for Zelink_53:
(Start: 164 @45222 has 174 MA's), (187, 45285), (199, 45315), (200, 45318), (236, 45378), (240, 45381), (241, 45384),

Gene: Zenon_41 Start: 36400, Stop: 36645, Start Num: 158
Candidate Starts for Zenon_41:
(130, 36358), (Start: 158 @36400 has 17 MA's), (173, 36421), (177, 36442), (187, 36469), (235, 36568), (236, 36571), (241, 36574), (275, 36625),

Gene: Zeta1847_35 Start: 25236, Stop: 25493, Start Num: 158
Candidate Starts for Zeta1847_35:
(1, 24102), (2, 24135), (3, 24270), (71, 25080), (Start: 158 @25236 has 17 MA's), (177, 25275),

Gene: Zhengyi_9 Start: 6127, Stop: 5798, Start Num: 157
Candidate Starts for Zhengyi_9:
(Start: 157 @6127 has 56 MA's), (181, 6073), (220, 5974), (261, 5905), (272, 5881), (290, 5836),

Gene: ZhongYanYuan_31 Start: 28288, Stop: 28509, Start Num: 180
Candidate Starts for ZhongYanYuan_31:
(Start: 163 @28243 has 62 MA's), (Start: 180 @28288 has 8 MA's), (200, 28339), (279, 28477), (287, 28498),

Gene: Ziko_119 Start: 57052, Stop: 57291, Start Num: 170
Candidate Starts for Ziko_119:
(Start: 170 @57052 has 6 MA's), (219, 57175), (260, 57247), (262, 57250),

Gene: Zimmer_55 Start: 39223, Stop: 38951, Start Num: 141
Candidate Starts for Zimmer_55:
(124, 39253), (Start: 141 @39223 has 140 MA's), (198, 39121), (220, 39073), (231, 39055), (240, 39043),

Gene: Zooman_185 Start: 110949, Stop: 110695, Start Num: 167
Candidate Starts for Zooman_185:
(132, 110997), (Start: 167 @110949 has 26 MA's),

Gene: Zooman_18 Start: 8314, Stop: 8547, Start Num: 167
Candidate Starts for Zooman_18:
(Start: 167 @8314 has 26 MA's), (189, 8389), (265, 8536),

Gene: Zooman_331 Start: 183965, Stop: 184198, Start Num: 167
Candidate Starts for Zooman_331:
(Start: 167 @183965 has 26 MA's), (189, 184040), (265, 184187),

Gene: xkcd_38 Start: 33304, Stop: 33549, Start Num: 164
Candidate Starts for xkcd_38:
(Start: 164 @33304 has 174 MA's), (Start: 186 @33361 has 3 MA's), (199, 33394), (201, 33400), (231, 33454), (240, 33466),