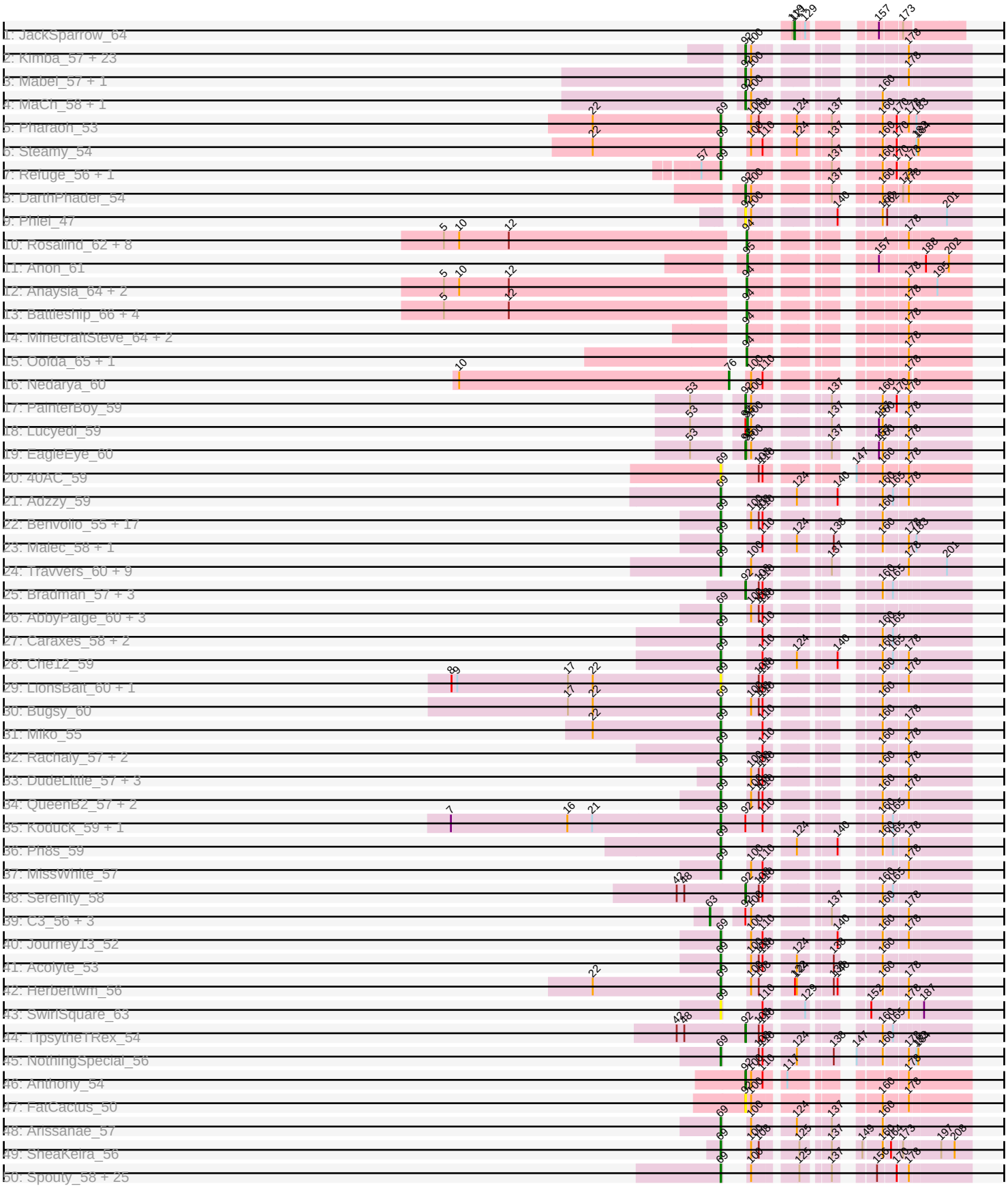
Pham 283338


1: JackSparrow_64
2: Kimba_57 + 23
3: Mabel_57 + 1
4: MaCh_58 + 1
5: Pharaoh_53
6: Steamy_54
7: Refuge_56 + 1
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: Oofda_65 + 1
16: Nedarya_60
17: PainterBoy_59
18: Lucyedi_59
19: EagleEye_60
20: 40AC_59
21: Adzzy_59
22: Benvolio_55 + 17
23: Malec_58 + 1
24: Travvers_60 + 9
25: Bradman_57 + 3
26: AbbyPaige_60 + 3
27: Caraxes_58 + 2
28: Che12_59
29: LionsBait_60 + 1
30: Bugsy_60
31: Miko_55
32: Rachaly_57 + 2
33: DudeLittle_57 + 3
34: QueenB2_57 + 2
35: Koduck_59 + 1
36: Phs_59
37: MissWhite_57
38: Serenity_58
39: C3_56 + 3
40: Journey13_52
41: Acolyte_53
42: Herbertwin_56
43: SwimSquare_63
44: TipsytheTRex_54
45: NothingSpecial_56
46: Anthony_54
47: FatCactus_50
48: Anissanae_57
49: SheaKeira_56
50: Spouty_58 + 25

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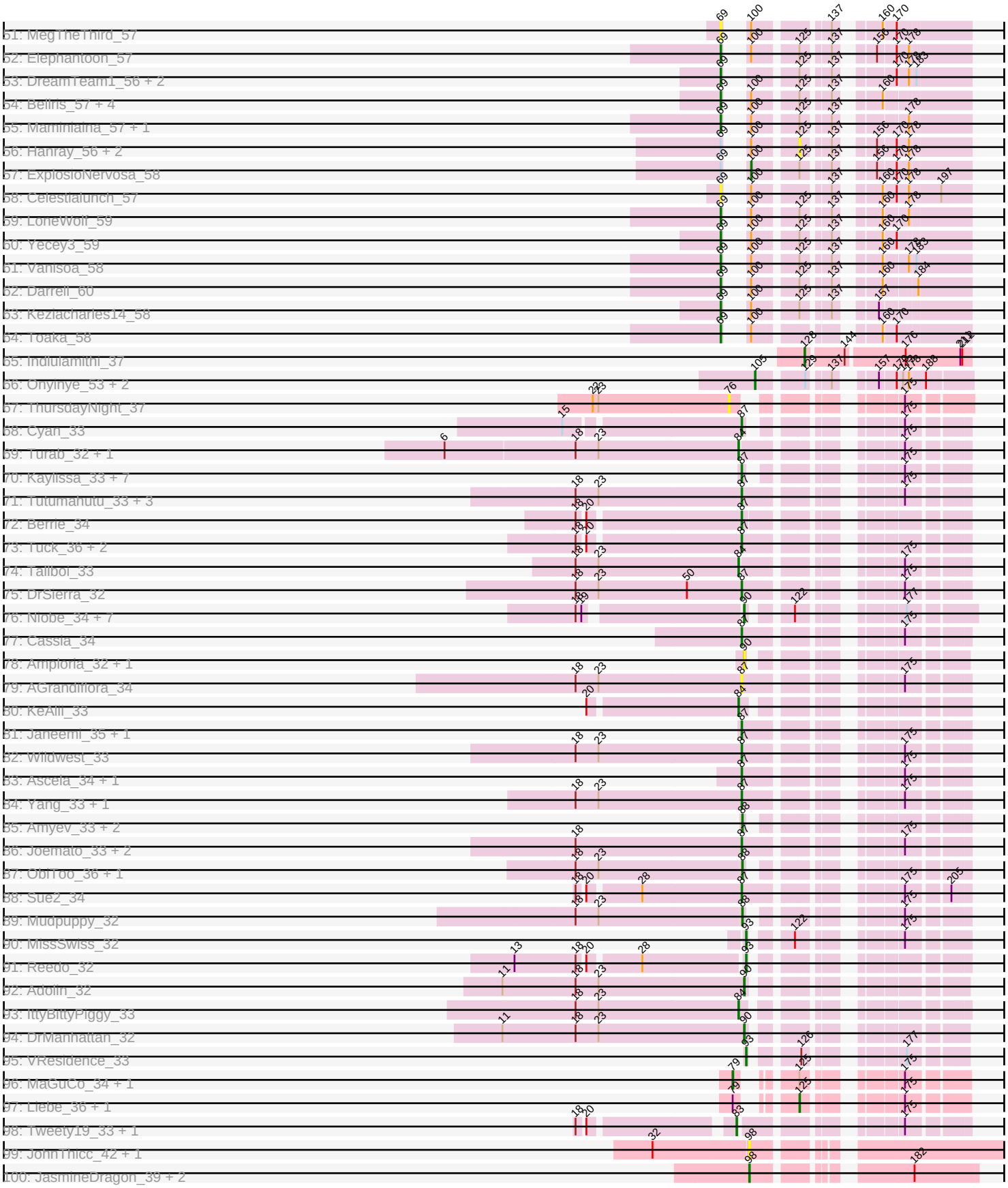
51: MegTheThird_57
52: Elephantoon_57
53: DreamTeam1_56 + 2
54: Bellris_57 + 4
55: Mamimiaina_57 + 1
56: Hanray_56 + 2
57: ExplosioNervosa_58
58: Celestialunch_57
59: LoneWolf_59
60: Yecey3_59
61: Vanisoa_58
62: Darrell_60
63: KezlaCharles14_58
64: Toaka_58
65: Indiulamithi_37
66: Onyinye_53 + 2
67: ThursdayNight_37
68: Cyan_33
69: Turab_32 + 1
70: Kayllssa_33 + 7
71: Tutumahutu_33 + 3
72: Bernie_34
73: Tuck_36 + 2
74: Tallboi_33
75: DrSierra_32
76: Niobe_34 + 7
77: Cassia_34
78: Amplonia_32 + 1
79: AGrandMora_34
80: KeAm_33
81: Janeemi_35 + 1
82: Wildwest_33
83: Ascela_34 + 1
84: Yang_33 + 1
85: Amyev_33 + 2
86: Joemato_33 + 2
87: ObiToo_36 + 1
88: Sue2_34
89: Mudpuppy_32
90: MissSwiss_32
91: Reedo_32
92: Adolin_32
93: IttyBittyPiggy_33
94: DrManhattan_32
95: VResidence_33
96: MaGuCo_34 + 1
97: Liebe_36 + 1
98: Tweety19_33 + 1
99: JohnThicc_42 + 1
100: JasmineDragon_39 + 2

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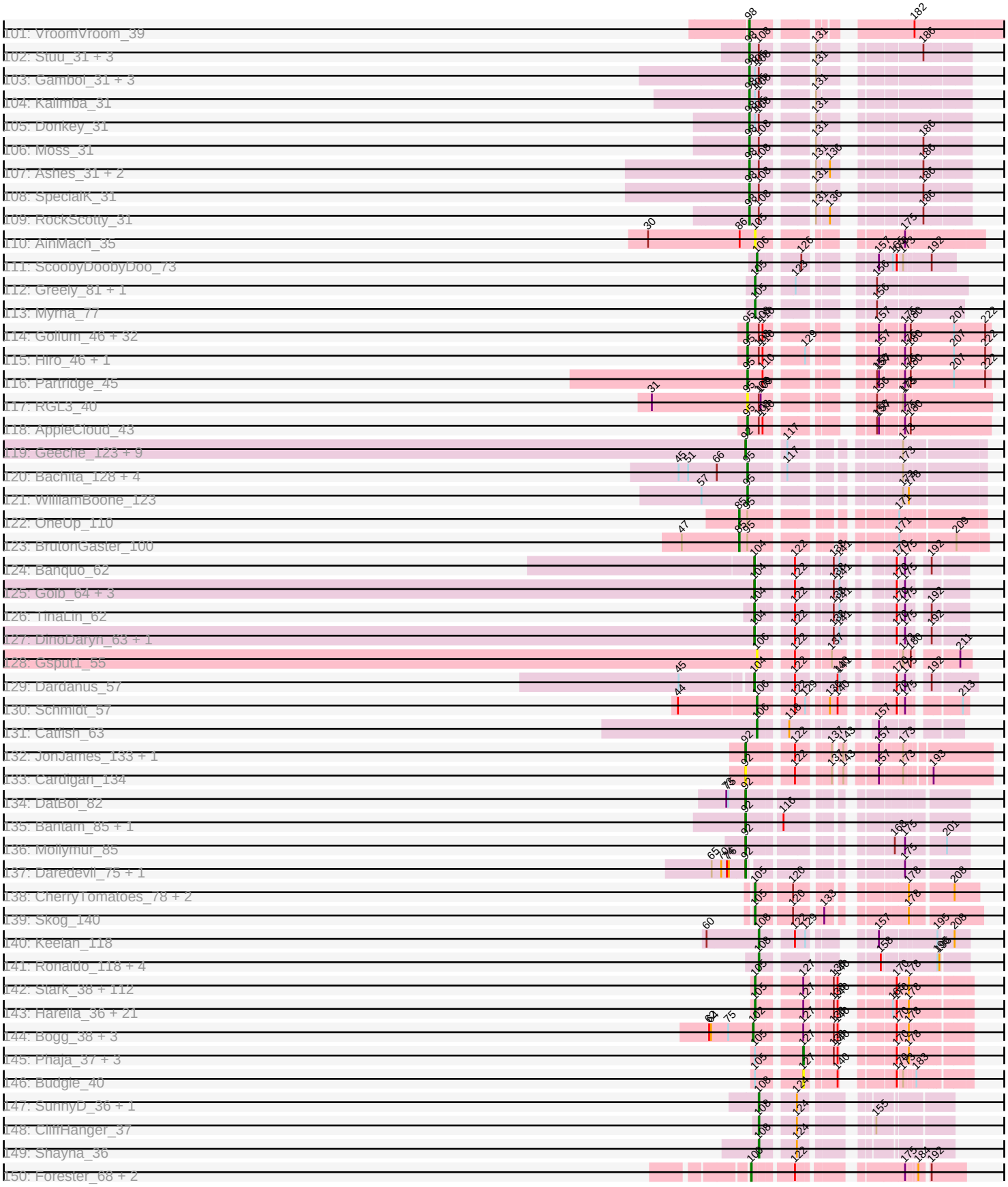
I01: VroomVroom_39
I02: Stuu_31 + 3
I03: Gamboi_31 + 3
I04: Kalimba_31
I05: Donkey_31
I06: Moss_31
I07: Ashes_31 + 2
I08: SpecialK_31
I09: RockScotty_31
I10: AimMach_35
I11: ScoobyDoobyDoo_73
I12: Greely_81 + 1
I13: Myrna_77
I14: Gollum_46 + 32
I15: Hiro_46 + 1
I16: Partridge_45
I17: RGL3_40
I18: AppleCloud_43
I19: Geeche_123 + 9
I20: Bachita_128 + 4
I21: WilliamBoone_123
I22: OneUp_110
I23: BrutonGaster_100
I24: Banquo_62
I25: Golb_64 + 3
I26: TinaLin_62
I27: DinoDaryn_63 + 1
I28: Gsputt_55
I29: Dardanus_57
I30: Schmidt_57
I31: Catfish_63
I32: JonJames_133 + 1
I33: Cardigan_134
I34: DatBoi_82
I35: Bantam_85 + 1
I36: Mollymur_85
I37: Daredevil_75 + 1
I38: CherryTomatoes_78 + 2
I39: Skog_140
I40: Keelan_118
I41: Ronaldo_118 + 4
I42: Stark_38 + 112
I43: Harella_36 + 21
I44: Bogg_38 + 3
I45: Phaja_37 + 3
I46: Budgie_40
I47: SunnyD_36 + 1
I48: CliffHanger_37
I49: Shayna_36
I50: Forester_68 + 2

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151: GardenState_42 + 1
152: Floof_43
153: Caron_44
154: SuMoo_44
155: Cen1621_38
156: Mabodamaca_42
157: Percival_43
158: Honk_39
159: Barnstormer_41 + 1
160: Zeta1847_35
161: KingKamren_9
162: Zhengyi_9 + 1
163: Unphazed_9 + 1
164: MiamiPanther_9 + 1
165: HitchHiker_10 + 2
166: CrunchyBoi_10 + 1
167: Salvatore2000_9 + 3
168: Corn21_9
169: LilyLou_9
170: Alex44_9 + 1
171: Dashyla_9 + 3
172: Conditioner_9
173: Birdfeeder_9
174: TicTac_9
175: Pabst_9
176: AnMaWen_9
177: TinyTimothy_9
178: ThirteenKH_9 + 2
179: RicoCaldo_9
180: Barroma_9 + 3
181: Ashton_9 + 2
182: StagePhright_9 + 4
183: Molefficent_9 + 3
184: JimmyPG_9
185: Atraxi_9 + 1
186: Yafa_9
187: Fede_9 + 1
188: SoilSleuth_9
189: AloeVera_9
190: Count_87
191: Kikiko_7
192: MissAmericana_7
193: Zion_52 + 2
194: Darwin_54
195: Cruella_50 + 2
196: Stickynote_52
197: Kumotta_57 + 1
198: WaddleDee_95 + 5
199: LeoJr_107 + 1
200: Stewart25555_99

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201: ReginaGlobina_107
202: KSunshine22_102
203: Panchaali_104
204: Vitus_40
205: BlackJade_54
206: GoldDust_40 + 1
207: SunnyJune_47
208: AirForce1_46
209: Music_39 + 1
210: Divya_49
211: Orkz_49
212: Jinkies_45
213: Hirko_38
214: Pitbull_58
215: Gerri43_3 + 6
216: TMaxx_3
217: Ezurina_2
218: Audell_6
219: LastNadifa_6
220: TripleC_6
221: Makima_4
222: Mireles_3
223: Studio_2
224: Agamotto_5
225: Khuang_61
226: Altostratus_60
227: WaterT_52 + 1
228: BarnCat_46
229: Cassita_54
230: Lifes_48
231: A3Wally_218 + 1
232: A3Wally_20 + 1
233: PauloDiaboli_20 + 3
234: PauloDiaboli_218
235: Big4_346 + 1
236: Zooman_185 + 1
237: Zooman_18 + 1
238: Erasmago_208
239: Cece_195
240: Pumpernickel_201
241: Stuck_67 + 1
242: Squint_50 + 3
243: Ejimix_52 + 10
244: JuicyJay_54 + 4
245: Pound_54 + 7
246: Omega_56 + 9
247: Nibley_46 + 3
248: Hidrated_52 + 1
249: Rearden_46
250: Dove_49 + 2

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251: Bobby_51 + 2
252: JoyLin_51 + 2
253: Daddyjeff_52 + 1
254: Sweetclover_51
255: Pippin15_52
256: Serenabean_52
257: Rose5_30 + 16
258: DirkDirk_30 + 1
259: Poochiewood_30
260: Gardann_32 + 20
261: Bazzie_32 + 1
262: Lewan_32 + 8
263: DHan_32 + 1
264: Tourach_32
265: Rossetti_32
266: Baoshan_31 + 2
267: Zakai_32
268: LilDestine_32
269: Samty_31 + 13
270: LiyuLake_31 + 2
271: Moostard_31 + 1
272: Krypton555_31
273: BourbonZero_30 + 1
274: Red305_31
275: Whirlwind_32
276: Bromden_32
277: Kropertea_30 + 2
278: Quby_30 + 1
279: Douge_30
280: ChutneyChips_30 + 4
281: Aegeus_33 + 1
282: RoseMarie_41
283: Shweta_51
284: Riparian_40 + 3
285: Zenon_41 + 4
286: MontyDev_40
287: Stellamml_39
288: Cosmo_53 + 4
289: Kumao_40
290: Juicebox_39
291: Mbo4_60
292: Footloose_59
293: GMA4_22
294: P1201_68
295: BFK20_ORF53
296: DS6A_74
297: EmiRose_45
298: Tallonex_48
299: Yappy_50

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 283338 Report

This analysis was run 02/23/26 on database version 636.

Pham number 283338 has 859 members, 166 are drafts.

Phages represented in each track:
• Track 1 : JackSparrow_64
• Track 2 : Kimba_57, Bud_57, Munch_58, Mulciber_57, Hutc2_57, Jabith_58, Salz_56, Petersenfast_56, Orange_57, Gilberta_58, Wolpertinger_56, Insomnia_58, TinyTimmy_57, Et2Brutus_56, Ebony_57, Flaverint_58, Fibonacci_57, Bowtie_58, Joselito_58, Sham4_57, Snape_57, Timothy_57, Aneem_58, Lucivia_58
• Track 3 : Mabel_57, Saskia_58
• Track 4 : MaCh_58, Bachome_59
• Track 5 : Pharaoh_53
• Track 6 : Steamy_54
• Track 7 : Refuge_56, Zimmer_55
• Track 8 : DarthPhader_54
• Track 9 : Phlei_47
• Track 10 : Rosalind_62, Looper_63, Remus_64, LastResort_62, Waits_64, ReMo_62, JSwag_63, Strosahl_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_67
• Track 15 : Oofda_65, Warrior24_66
• Track 16 : Nedarya_60
• Track 17 : PainterBoy_59
• Track 18 : Lucyedi_59
• Track 19 : EagleEye_60
• Track 20 : 40AC_59
• Track 21 : Adzzy_59
• Track 22 : Benvolio_55, ChipMunk_60, FiringLine_58, Echild_58, Power_57, EvilGenius_60, Jerm_60, Dignity_60, Whabigail7_59, Leviathan_60, Agape74_60, Smeagan_61, SnapTap_58, KingCyrus_60, LilTurb_59, SemperFi_59, Crucio_58, QueenBeesly_58
• Track 23 : Malec_58, Larenn_57
• Track 24 : Travvers_60, Duplo_60, Pomar16_60, StarStuff_60, DBQu4n_60, D32_59, Naji_60, Kerberos_60, D29_56, Tomathan_60
• Track 25 : Bradman_57, Quokka_56, MajorMajor_57, Jsquared_56
• Track 26 : AbbyPaige_60, Georgie2_59, SweetiePie_58, Turbido_59
• Track 27 : Caraxes_58, Odin_56, Superchunk_56
• Track 28 : Che12_59
• Track 29 : LionsBait_60, HippoHollow_58

• Track 30 : Bugsy_60
• Track 31 : Miko_55
• Track 32 : Rachaly_57, BobSwaget_54, Lokk_55
• Track 33 : DudeLittle_57, Anselm_59, Dalmatian_59, Retro23_59
• Track 34 : QueenB2_57, Fameo_58, Heffalump_57
• Track 35 : Koduck_59, L5_56
• Track 36 : Ph8s_59
• Track 37 : MissWhite_57
• Track 38 : Serenity_58
• Track 39 : C3_56, VC3_61, AN9_61, ANI8_61
• Track 40 : Journey13_52
• Track 41 : Acolyte_53
• Track 42 : Herbertwm_56
• Track 43 : SwirlSquare_63
• Track 44 : TipsytheTRex_54
• Track 45 : NothingSpecial_56
• Track 46 : Anthony_54
• Track 47 : FatCactus_50
• Track 48 : Arissanae_57
• Track 49 : SheaKeira_56
• Track 50 : Spouty_58, Onglai_56, Beemo_58, Catalina_59, RyeScarlet_59, Conquerage_58, Scherzo_58, Fayely_58, Lilleskat_56, Priya_58, Eidsmoe_58, Myxus_58, HortumSL17_58, Aliter_58, Qobbit_58, Alma_58, Phonnegut_58, Pioneer_58, Phaeder_58, EmyBug_57, Ugenie5_55, Sachima_55, Ayanochan_59, Tubs_58, Jiawan_56, PackMan_57
• Track 51 : MegTheThird_57
• Track 52 : Elephantoon_57
• Track 53 : DreamTeam1_56, Klodlith_57, Charm_56
• Track 54 : Bellris_57, CogOmlette_57, WorldCup_57, Rahalelujah_58, Minispark_57
• Track 55 : Maminiaina_57, BogosyJay_57
• Track 56 : Hanray_56, Holex_57, EdogawaKiddo_56
• Track 57 : ExplosioNervosa_58
• Track 58 : Celestialunch_57
• Track 59 : LoneWolf_59
• Track 60 : Yecey3_59
• Track 61 : Vanisoa_58
• Track 62 : Darrell_60
• Track 63 : Keziacharles14_58
• Track 64 : Toaka_58
• Track 65 : Indlulamithi_37
• Track 66 : Onyinye_53, Leopard_52, Aikoy_52
• Track 67 : ThursdayNight_37
• Track 68 : Cyan_33
• Track 69 : Turab_32, Adumb2043_32
• Track 70 : Kaylissa_33, Nitro_33, JuneStar_33, Lizalica_32, Pumpkins_33, TforTroy_34, YesChef_33, Powerpuff_35
• Track 71 : Tutumahutu_33, Flutur_33, Warda_33, Tbone_32
• Track 72 : Berrie_34
• Track 73 : Tuck_36, Phives_35, Community_34
• Track 74 : Tallboi_33
• Track 75 : DrSierra_32
• Track 76 : Niobe_34, Jstan_36, Skelbel_35, Elezi_34, Asa16_34, London_34, Subaru_35, Eraser_34

• Track 77 : Cassia_34
• Track 78 : Amploria_32, AEgle_32
• Track 79 : AGrandiflora_34
• Track 80 : KeAlii_33
• Track 81 : Janeemi_35, Lego_33
• Track 82 : Wildwest_33
• Track 83 : Ascela_34, Iter_34
• Track 84 : Yang_33, Schaffner_33
• Track 85 : Amyev_33, Tian_33, Pixelle_33
• Track 86 : Joemato_33, JohnDoe_33, Simpson_35
• Track 87 : ObiToo_36, Crewmate_37
• Track 88 : Sue2_34
• Track 89 : Mudpuppy_32
• Track 90 : MissSwiss_32
• Track 91 : Reedo_32
• Track 92 : Adolin_32
• Track 93 : IttyBittyPiggy_33
• Track 94 : DrManhattan_32
• Track 95 : VResidence_33
• Track 96 : MaGuCo_34, Maureen_36
• Track 97 : Liebe_36, IUFootball_36
• Track 98 : Tweety19_33, Snek_33
• Track 99 : JohnThicc_42, FiveHead_43
• Track 100 : JasmineDragon_39, ShakeItOph_39, MiniMommy_38
• Track 101 : VroomVroom_39
• Track 102 : Stuu_31, Giorgio_31, Mysterium_31, Gumpizza_31
• Track 103 : Gambol_31, Cappuccino_31, Sooty_31, Sabourin_31
• Track 104 : Kalimba_31
• Track 105 : Donkey_31
• Track 106 : Moss_31
• Track 107 : Ashes_31, Halsey_31, Beaupre_31
• Track 108 : SpecialK_31
• Track 109 : RockScotty_31
• Track 110 : AinMach_35
• Track 111 : ScoobyDoobyDoo_73
• Track 112 : Greely_81, Phabba_83
• Track 113 : Myrna_77
• Track 114 : Gollum_46, BobbyDazzler_46, Lillie_46, Jester_45, Bryce_45, Yoncess_45, StCroix_45, AngryOrchard_44, RexFury_45, Nancinator_46, Rhodalysa_46, Yogi_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, TWAMP_46, Phrankenstein_46, Alatin_45, Swann_46, Rasputin_46, Erik_46, Alpacados_45
• Track 115 : Hiro_46, PhailMary_45
• Track 116 : Partridge_45
• Track 117 : RGL3_40
• Track 118 : AppleCloud_43
• Track 119 : Geeche_123, Miskis_120, Culver_125, Aphelion_125, Abscondus_124, Dusty_122, Norvs_124, ClubL_125, Lozinak_125, Smoothie_126
• Track 120 : Bachita_128, Toniann_125, Cucurbita_126, Engineer_127, PhinkBoden_125
• Track 121 : WilliamBoone_123
• Track 122 : OneUp_110

• Track 123 : BrutonGaster_100
• Track 124 : Banquo_62
• Track 125 : Goib_64, Splinter_63, TZGordon_64, Vendetta_63
• Track 126 : TinaLin_62
• Track 127 : DinoDaryn_63, Huffy_63
• Track 128 : Gsput1_55
• Track 129 : Dardanus_57
• Track 130 : Schmidt_57
• Track 131 : Catfish_63
• Track 132 : JonJames_133, Yvonnetastic_129
• Track 133 : Cardigan_134
• Track 134 : DatBoi_82
• Track 135 : Bantam_85, SpeedDemon_860
• Track 136 : Mollymur_85
• Track 137 : Daredevil_75, Towmatter_75
• Track 138 : CherryTomatoes_78, SCentae_76, Pupper_77
• Track 139 : Skog_140
• Track 140 : Keelan_118
• Track 141 : Ronaldo_118, Fryberger_117, Ziko_119, Guey18_121, Volt_121
• Track 142 : Stark_38, Maxxinista_38, Moldemort_38, Emmina_38, Gage_39, StormChicken_37, HufflyPuff_36, Nimrod_37, Petra64142_39, Gator_35, DrDrey_38, MollyToe_37, Czyszczon1_38, StellaBean_37, Elph10_38, Rimmer_36, Policronamos_37, Buck_36, FoghornLeghorn_36, RiverMonster_37, Kanye_39, TeardropMSU_36, Thresher_38, GoldenSpark_39, Sassay_36, Tarkin_39, 244_39, Ptowny_38, Simpliphy_38, HanKaySha_38, Argent26_39, MISSy_36, Rakim_38, Ukulele_37, Asriel_36, MadamMonkfish_37, BilboSwaggins_37, Myrale_37, Manda_38, Dumbo_37, Kostya_38, Becksu_37, Marshmallow_37, TeamEdward_37, SophKB_37, FireRed_37, YassJohnny_38, GooberAzure_39, Hopey_39, Command613_38, Miniwave_37, PhatBacter_37, JeTaime_39, BugsBunny_35, Icee_36, Teaspoon_38, MPhalcon_36, Adnama_40, Highbury_38, Kimchi_39, Saints25_38, Bask21_37, Stank_40, Easy2Say_39, StolenFromERC_39, Tuco_38, Quallification_38, NonchalantPear_37, Palpatine_37, Traaww1_35, Cactus_38, Filch_38, Barbarian_36, Phaux_36, Sotrice96_37, NelitzaMV_37, Lilpickle_36, Terminus_37, AmericanBeauty_39, Goldilocks_38, Murphy_38, Bench_39, Phrux_37, CrystalP_37, Hoonter_39, Elite2014_36, Cjw1_37, Misfit_37, Wiggin_40, Greep_38, ChosenOne_37, ABCat_36, Bruin_37, Xandras_39, Willez_36, Paperbeatsrock_39, Gemini_40, Thimble_37, Lilac_39, PaddyBaddy_38, Nala_37, ShamWow_37, Porky_37, TBrady12_39, Pumpkin_39, xkcd_38, NoSleep_38, OrionPax_38, Inca_36, Lilizi_39, Toto_37, Pharsalus_38, Murica_36
• Track 143 : Harella_36, Tomaszewski_36, SirDuracell_36, DoctorDiddles_37, Glexan_35, ChotaBhai_37, Youngblood_37, Pat3_36, Dusk_36, BadStone_36, Contagion_36, Mindy_37, Flypotenuse_35, Mosby_36, Amao_37, BigBubba_38, Brewer_37, Henry_38, Holt_38, Daikon_36, Cookies_37, Balomoji_36
• Track 144 : Bogg_38, BaboJay_37, Eureka_38, Goku_38
• Track 145 : Phaja_37, FairyPath_37, ShereKhan_39, IHOP_37
• Track 146 : Budgie_40
• Track 147 : SunnyD_36, Teagster_37
• Track 148 : CliffHanger_37
• Track 149 : Shayna_36
• Track 150 : Forester_68, Gretchen_42, SuperHands_42
• Track 151 : GardenState_42, IAmGroot_42
• Track 152 : Floof_43
• Track 153 : Caron_44

• Track 154 : SuMoo_44
• Track 155 : Cen1621_38
• Track 156 : Mabodamaca_42
• Track 157 : Percival_43
• Track 158 : Honk_39
• Track 159 : Barnstormer_41, UtzChips_41
• Track 160 : Zeta1847_35
• Track 161 : KingKamren_9
• Track 162 : Zhengyi_9, EugeneKrabs_9
• Track 163 : Unphazed_9, DumpQuist_9
• Track 164 : MiamiPanther_9, JessellCookie_9
• Track 165 : HitchHiker_10, Oatly_9, Biozilla_9
• Track 166 : CrunchyBoi_10, PineapplePluto_10
• Track 167 : Salvatore2000_9, Sorvannah_9, Wesak_9, YellowPanda_9
• Track 168 : Corn21_9
• Track 169 : LilyLou_9
• Track 170 : Alex44_9, Stormbreaker_9
• Track 171 : Dashyla_9, Xitlalli_9, Phogo_9, SwissCheezer_9
• Track 172 : Conditioner_9
• Track 173 : Birdfeeder_9
• Track 174 : TicTac_9
• Track 175 : Pabst_9
• Track 176 : ArMaWen_9
• Track 177 : TinyTimothy_9
• Track 178 : ThirteenKH_9, TrippleS_9, Mazun_9
• Track 179 : RicoCaldo_9
• Track 180 : Barroma_9, Truong_9, JordanFarm_9, ShyRosie_9
• Track 181 : Ashton_9, Waterlily_9, Akoni_9
• Track 182 : StagePhright_9, Fullmetal_9, Phractured_9, Phedro_9, Pharky_9
• Track 183 : Moleficent_9, Astartes_9, PhriedRice_9, Keough_9
• Track 184 : JimmyPG_9
• Track 185 : Atraxi_9, Morrill_9
• Track 186 : Yafa_9
• Track 187 : Fede_9, Kosier_9
• Track 188 : SoilSleuth_9
• Track 189 : AloeVera_9
• Track 190 : Count_87
• Track 191 : Kikiko_7
• Track 192 : MissAmericana_7
• Track 193 : Zion_52, PeteyPab_51, PotatoChip_52
• Track 194 : Darwin_54
• Track 195 : Cruella_50, C3PO_50, Kimchi1738_51
• Track 196 : Stickynote_52
• Track 197 : Kumotta_57, MargaretKali_53
• Track 198 : WaddleDee_95, Ellewin_99, DunneganBoMo_97, Artu_100, Emmetator_100, BooTeria_104
• Track 199 : LeoJr_107, Atuin_102
• Track 200 : Stewart25555_99
• Track 201 : ReginaGlobina_107
• Track 202 : KSunshine22_102
• Track 203 : Panchaali_104
• Track 204 : Vitus_40
• Track 205 : BlackJade_54

• Track 206 : GoldDust_40, Gooberta_40
• Track 207 : SunnyJune_47
• Track 208 : AirForce1_46
• Track 209 : Music_39, Vibaki_39
• Track 210 : Divya_49
• Track 211 : Orkz_49
• Track 212 : Jinkies_45
• Track 213 : Hirko_38
• Track 214 : Pitbull_58
• Track 215 : Gerri43_3, ChipsNGuac_3, CardboardBox_3, Neuvillette_3, Roberts_3, AnnabelLee_3, ChamoyPickle_3
• Track 216 : TMaxx_3
• Track 217 : Ezurina_2
• Track 218 : Audell_6
• Track 219 : LastNadiia_6
• Track 220 : TripleC_6
• Track 221 : Makima_4
• Track 222 : Mireles_3
• Track 223 : Studio_2
• Track 224 : Agamotto_5
• Track 225 : Khuang_61
• Track 226 : Altostratus_60
• Track 227 : WaterT_52, LeeroyJenkins_54
• Track 228 : BarnCat_46
• Track 229 : Cassita_54
• Track 230 : Lifes_48
• Track 231 : A3Wally_218, Dodo_218
• Track 232 : A3Wally_20, A3Wally_373
• Track 233 : PauloDiaboli_20, PauloDiaboli_375, Dodo_371, Dodo_21
• Track 234 : PauloDiaboli_218
• Track 235 : Big4_346, Big4_20
• Track 236 : Zooman_185, Big4_204
• Track 237 : Zooman_18, Zooman_331
• Track 238 : Erasmago_208
• Track 239 : Cece_195
• Track 240 : Pumpernickel_201
• Track 241 : Stuck_67, Bluvara_58
• Track 242 : Squint_50, Gonephishing_53, BronnyJames_44, Shaboozey_44
• Track 243 : Ejimix_52, Halley_52, HokkenD_45, EricMillard_52, Beem_52, Hughesyang_50, Bagrid_51, Yeet_50, ThreeRngTarjay_50, Kalah2_52, BAKA_56
• Track 244 : JuicyJay_54, Klein_52, DmpstrDiver_53, Schatzie_49, Odette_52
• Track 245 : Pound_54, Wanda_58, Minerva_58, Optimus_57, Bombitas_49, NihilNomen_51, Duke13_55, Phoebus_51
• Track 246 : Omega_56, Porcelain_50, Lucky2013_51, Ariel_51, LittleE_56, MiaZeal_51, Thibault_45, Courthouse_51, Nekros_50, Superphikiman_51
• Track 247 : Nibley_46, Redno2_50, Dallas_54, Zelink_53
• Track 248 : Hidrated_52, Marleymoo_53
• Track 249 : Rearden_46
• Track 250 : Dove_49, Constella_44, Xiaokay_47
• Track 251 : Bobby_51, Hannaconda_48, KashFlow_45
• Track 252 : JoyLin_51, Eevee_51, Yotsuba_51
• Track 253 : Daddyjeff_52, AddiRose_51
• Track 254 : Sweetclover_51

• Track 255 : Pippin15_52
• Track 256 : Serenabean_52
• Track 257 : Rose5_30, Acquire49_30, Enceladus_30, OhShagHennessy_30, Calm_30, CicholasNage_30, Zaria_30, Wamburgrxpress_30, JoeDirt_30, LeBron_30, Halena_30, MAckerman_30, Appletree2_30, Wyatt2_30, AvadaKedavra_30, UPIE_30, Silverleaf_30
• Track 258 : DirkDirk_30, Tyson_30
• Track 259 : Poochiewood_30
• Track 260 : Gardann_32, Breezona_32, Winky_32, Netyap_32, Vetrix_32, Itos_32, Underpass_32, Miley16_32, Faith1_32, DrSeegs_32, Finemlucis_32, Wigglewiggle_32, MkaliMitinis3_32, Crossroads_32, Wilder_32, Loadrie_32, Gabriela_32, BigCheese_32, BobsGarage_32, GuuelaD_32, Nicholasp3_32
• Track 261 : Bazzle_32, Archie_32
• Track 262 : Lewan_32, Kahlid_32, Rumpelstiltskin_32, OverPar_33, Soap141_32, SoJulia_33, Hafay_32, Sarshaun_32, Lynnae_32
• Track 263 : DHan_32, Claus_32
• Track 264 : Tourach_32
• Track 265 : Rossetti_32
• Track 266 : Baoshan_31, ZhongYanYuan_31, DanBing_31
• Track 267 : Zakai_32
• Track 268 : LilDestine_32
• Track 269 : Samty_31, Finnry_31, Clautastrophe_31, Kingsolomon_31, TriFive_31, Nicholas_31, Lumos_31, MiniLon_31, MiniMac_31, Snenia_31, MsGreen_31, Lolly9_31, Jubie_31, Bellis_31
• Track 270 : LiyuLake_31, Ellson_31, DuncansLeg_31
• Track 271 : Moostard_31, Jobypre_31
• Track 272 : Krypton555_31
• Track 273 : BourbonZero_30, KirDoubleO7_29
• Track 274 : Red305_31
• Track 275 : Whirlwind_32
• Track 276 : Bromden_32
• Track 277 : Kropertea_30, Chaser_30, DyoEdafos_31
• Track 278 : Quby_30, FarmResident_30
• Track 279 : Douge_30
• Track 280 : ChutneyChips_30, PYPDinur_30, BrainDrainer_31, Sheng711_30, Douzhi_30
• Track 281 : Aegeus_33, Baudelaire_33
• Track 282 : RoseMarie_41
• Track 283 : Shweta_51
• Track 284 : Riparian_40, Weiss13_40, Rope_40, Papyrus_40
• Track 285 : Zenon_41, Nilo_41, Yelo_40, Send513_40, Candle_40
• Track 286 : MontyDev_40
• Track 287 : Stellammi_39
• Track 288 : Cosmo_53, Azrael100_52, EniyanLRS_50, MaryV_53, Wildcat_53
• Track 289 : Kumao_40
• Track 290 : Juicebox_39
• Track 291 : Mbo4_60
• Track 292 : Footloose_59
• Track 293 : GMA4_22
• Track 294 : P1201_68
• Track 295 : BFK20_ORF53
• Track 296 : DS6A_74
• Track 297 : EmiRose_45

• Track 298 : Tailonex_48
• Track 299 : Yappy_50

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

The start number called the most often in the published annotations is 105, it was called in 178 of the 693 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 244_39, A3Wally_218, ABCat_36, Adnama_40, Aikoy_52, AinMach_35, Amao_37, AmericanBeauty_39, Argent26_39, Artu_100, Asriel_36, Atuin_102, Azrael100_52, BAKA_56, BadStone_36, Bagrid_51, Balomoji_36, Barbarian_36, Bask21_37, Becksu_37, Beem_52, Bench_39, Big4_204, BigBubba_38, BilboSwaggins_37, Bobby_51, Bombitas_49, BooTeria_104, Brewer_37, Bruin_37, Buck_36, BugsBunny_35, Cactus_38, Cece_195, CherryTomatoes_78, ChosenOne_37, ChotaBhai_37, Cjw1_37, Command613_38, Constella_44, Contagion_36, Cookies_37, Cosmo_53, CrystalP_37, Czyszczon1_38, Daikon_36, Dallas_54, DmpstrDiver_53, DoctorDiddles_37, Dodo_218, Dove_49, DrDrey_38, Duke13_55, Dumbo_37, DunneganBoMo_97, Dusk_36, Easy2Say_39, Ejimix_52, Elite2014_36, Ellewin_99, Elph10_38, Emmetator_100, Emmina_38, EniyanLRS_50, Erasmago_208, EricMillard_52, 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, Greely_81, 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, JeTaime_39, JuicyJay_54, KSunshine22_102, Kalah2_52, Kanye_39, KashFlow_45, Kimchi_39, Klein_52, Kostya_38, Kumotta_57, LeoJr_107, Leopard_52, Lilac_39, Lilizi_39, Lilpickle_36, MISSy_36, MPhalcon_36, MadamMonkfish_37, Manda_38, MargaretKali_53, Marshmallow_37, MaryV_53, Maxxinista_38, Mbo4_60, Mindy_37, Minerva_58, Miniwave_37, Misfit_37, MissAmericana_7, Moldemort_38, MollyToe_37, Mosby_36, Murica_36, Murphy_38, Myrale_37, Myrna_77, 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, Panchaali_104, Paperbeatsrock_39, Pat3_36, PauloDiaboli_218, Petra64142_39, Phabba_83, Pharsalus_38, PhatBacter_37, Phaux_36, Phoebus_51, Phrux_37, Policronamos_37, Porky_37, Pound_54, Ptowny_38, Pumpernickel_201, Pumpkin_39, Pupper_77, Quallification_38, Rakim_38, Rearden_46, Redno2_50, ReginaGlobina_107, Rimmer_36, RiverMonster_37, SCentae_76, Saints25_38, Sassay_36, Schatzie_49, ShamWow_37, Simpliphy_38, SirDuracell_36, Skog_140, SophKB_37, Sotrice96_37, Stank_40, Stark_38, StellaBean_37, Stewart25555_99, StolenFromERC_39, StormChicken_37, TBrady12_39, Tarkin_39, TeamEdward_37, TeardropMSU_36, Teaspoon_38, Terminus_37, Thimble_37, ThreeRngTarjay_50, Thresher_38, Tomaszewski_36, Toto_37, Traaww1_35, Tuco_38, Ukulele_37, WaddleDee_95, Wanda_58, Wiggin_40, Wildcat_53, Willez_36, Xandras_39, Xiaokay_47, YassJohnny_38, Yeet_50, Youngblood_37, Zelink_53, Zooman_185, xkcd_38,

Genes that have the "Most Annotated" start but do not call it:
• Budgie_40, Cappuccino_31, Donkey_31, FairyPath_37, Gambol_31, IHOP_37, Kalimba_31, Kumao_40, Phaja_37, RoseMarie_41, Sabourin_31, ShereKhan_39,

Sooty_31, Yappy_50,

Genes that do not have the "Most Annotated" start:
• 40AC_59, A3Wally_20, A3Wally_373, AEgle_32, AGrandiflora_34, AN9_61, ANI8_61, AbbyPaige_60, Abscondus_124, Acolyte_53, Acquire49_30, AddiRose_51, Adolin_32, Adumb2043_32, Adzzy_59, Aegeus_33, Agamotto_5, Agape74_60, AirForce1_46, Akoni_9, Alatin_45, Alex44_9, Aliter_58, Alma_58, AloeVera_9, Alpacados_45, Altostratus_60, Amploria_32, Amyev_33, Anaysia_64, Aneem_58, AngryOrchard_44, AnnabelLee_3, Anon_61, Anselm_59, Anthony_54, Aphelion_125, AppleCloud_43, Appletree2_30, ArMaWen_9, Archie_32, Ariel_51, Arissanae_57, Asa16_34, Ascela_34, Ashes_31, Ashton_9, Astartes_9, Atraxi_9, Audell_6, AvadaKedavra_30, Ayanochan_59, BFK20_ORF53, BaboJay_37, Bachita_128, Bachome_59, Banquo_62, Bantam_85, Baoshan_31, BarnCat_46, Barnstormer_41, Barroma_9, Battleship_66, Baudelaire_33, Bazzle_32, Beaupre_31, Beemo_58, Belenaria_46, Bellis_31, Bellris_57, Benvolio_55, Berrie_34, Big4_20, Big4_346, BigCheese_32, Biozilla_9, Birdfeeder_9, BlackJade_54, Bluvara_58, BobSwaget_54, BobbyDazzler_46, BobsGarage_32, Bogg_38, BogosyJay_57, Bonanza_46, Boohoo_64, BourbonZero_30, Bowtie_58, Bradman_57, Bradshaw_46, BrainDrainer_31, Breezona_32, Bromden_32, BronnyJames_44, BrutonGaster_100, Bryce_45, Bud_57, Bugsy_60, C3PO_50, C3_56, Calm_30, Candle_40, Caraxes_58, CardboardBox_3, Cardigan_134, Caron_44, Cassia_34, Cassita_54, Catalina_59, Catfish_63, Celestialunch_57, Cen1621_38, ChamoyPickle_3, Charm_56, Chaser_30, Che12_59, ChipMunk_60, ChipsNGuac_3, ChutneyChips_30, CicholasNage_30, Claus_32, Clautastrophe_31, CliffHanger_37, ClubL_125, CogOmlette_57, Community_34, Conditioner_9, Conquerage_58, Corn21_9, CosmicSans_46, Count_87, Courthouse_51, Crewmate_37, Crossroads_32, Crucio_58, Cruella_50, CrunchyBoi_10, Cucurbita_126, Culver_125, Cyan_33, D29_56, D32_59, DBQu4n_60, DHan_32, DS6A_74, Daddyjeff_52, Dalmatian_59, DanBing_31, Dardanus_57, Daredevil_75, Darrell_60, DarthPhader_54, Darwin_54, Dashyla_9, DatBoi_82, DekHockey33_65, Dignity_60, Dinger_45, DinoDaryn_63, DirkDirk_30, Divya_49, Dodo_21, Dodo_371, Douge_30, Douzhi_30, DrManhattan_32, DrSeegs_32, DrSierra_32, DreamTeam1_56, DudeLittle_57, DumpQuist_9, DuncansLeg_31, Duplo_60, Dusty_122, DyoEdafos_31, EagleEye_60, Ebony_57, Echild_58, EdogawaKiddo_56, Eevee_51, Eidsmoe_58, Elephantoon_57, Elezi_34, Ellson_31, EmiRose_45, EmyBug_57, Enceladus_30, Engineer_127, Epsocamisio_61, Eraser_34, Erik_46, Espica_46, Et2Brutus_56, EugeneKrabs_9, Eureka_38, EvilGenius_60, ExplosioNervosa_58, Ezurina_2, Faith1_32, Fameo_58, FarmResident_30, FatCactus_50, Fayely_58, Fede_9, Fibonacci_57, Finemlucis_32, Finnry_31, FiringLine_58, FiveHead_43, Flaverint_58, Floof_43, Flutur_33, Forester_68, Fryberger_117, Fullmetal_9, Gabriela_32, Gardann_32, GardenState_42, Geeche_123, Georgie2_59, Gerri43_3, Gilberta_58, Giorgio_31, Goib_64, Goku_38, GoldDust_40, Gollum_46, Gonephishing_53, Gooberta_40, Gretchen_42, Gsput1_55, Guey18_121, Gumpizza_31, GuuelaD_32, Hafay_32, Halena_30, Halsey_31, Hanray_56, Harlequin_45, Heffalump_57, Herbertwm_56, Hidrated_52, HippoHollow_58, Hirko_38, Hiro_46, HitchHiker_10, Holex_57, Honk_39, HortumSL17_58, Huffy_63, Hutc2_57, IAmGroot_42, IUFootball_36, Indlulamithi_37, Insomnia_58, Iter_34, Itos_32, IttyBittyPiggy_33, JSwag_63, Jabith_58, JackSparrow_64, Janeemi_35, JasmineDragon_39, Jerm_60, JessellCookie_9, Jester_45, Jiawan_56, JimmyPG_9, Jinkies_45, Jobypre_31, JoeDirt_30, Joemato_33, JohnDoe_33, JohnThicc_42, JonJames_133, JordanFarm_9, Joselito_58, Journey13_52, JoyLin_51, Jsquared_56, Jstan_36, Jubie_31, Juicebox_39, JuneStar_33, Kahlid_32, KatherineG_64, Kaylissa_33, KeAlii_33, Keelan_118, Keough_9, Kerberos_60, Keziacharles14_58, Khuang_61,

Kikiko_7, Kimba_57, Kimchi1738_51, KingCyrus_60, KingKamren_9, Kingsolomon_31, KirDoubleO7_29, Klodlith_57, Koduck_59, Kosier_9, Krishelle_46, Kropertea_30, Krypton555_31, L5_56, Larenn_57, LastNadiia_6, LastResort_62, LeBron_30, LeeroyJenkins_54, Lego_33, Leviathan_60, Lewan_32, Liebe_36, Lifes_48, LilDestine_32, LilTurb_59, Lilleskat_56, Lillie_46, LilyLou_9, LionsBait_60, LittleE_56, LiyuLake_31, Lizalica_32, Loadrie_32, Lokk_55, Lolly9_31, London_34, LoneWolf_59, Looper_63, Lozinak_125, Lucivia_58, Lucky2013_51, Lucyedi_59, Lumos_31, Lynnae_32, MAckerman_30, MaCh_58, MaGuCo_34, Mabel_57, Mabodamaca_42, MajorMajor_57, Makima_4, Malec_58, Maminiaina_57, Marleymoo_53, Maureen_36, Mazun_9, MegTheThird_57, MiaZeal_51, MiamiPanther_9, Miko_55, Miley16_32, MinecraftSteve_64, MiniLon_31, MiniMac_31, MiniMommy_38, Minispark_57, Mireles_3, Miskis_120, MissSwiss_32, MissWhite_57, MkaliMitinis3_32, Moleficent_9, Mollymur_85, MontyDev_40, Moostard_31, Morrill_9, Moss_31, MsGreen_31, Mudpuppy_32, Mulciber_57, Munch_58, Music_39, Mysterium_31, Myxus_58, Naiad_45, Naji_60, Nancinator_46, Natosaleda_45, Nebulosus_62, Nedarya_60, Nekros_50, Netyap_32, Neuvillette_3, Nicholas_31, Nicholasp3_32, Nilo_41, Niobe_34, Nitro_33, Norvs_124, NothingSpecial_56, Oatly_9, ObiToo_36, Odin_56, OhShagHennessy_30, Omega_56, OneUp_110, Onglai_56, Oofda_65, Orange_57, Orkz_49, OverPar_33, P1201_68, PYPDinur_30, Pabst_9, PackMan_57, PainterBoy_59, Papyrus_40, Partridge_45, PauloDiaboli_20, PauloDiaboli_375, Percival_43, Petersenfast_56, PeteyPab_51, Ph8s_59, Phaeder_58, PhailMary_45, Pharaoh_53, Pharky_9, Phedro_9, PhinkBoden_125, Phives_35, Phlei_47, Phogo_9, Phonnegut_58, Phractured_9, Phrankenstein_46, PhriedRice_9, PineapplePluto_10, Pioneer_58, Pippin15_52, Pitbull_58, Pixelle_33, Pomar16_60, Poochiewood_30, Porcelain_50, PotatoChip_52, Power_57, Powerpuff_35, Priya_58, Pumpkins_33, Qobbit_58, Quby_30, QueenB2_57, QueenBeesly_58, Quokka_56, RER2_39, RGL3_40, Rachaly_57, Rahalelujah_58, Rasputin_46, Ravana_67, ReMo_62, Red305_31, Reedo_32, Refuge_56, Remus_64, Retro23_59, RexFury_45, Rhodalysa_46, RicoCaldo_9, Riparian_40, Roberts_3, RockScotty_31, Ronaldo_118, Rope_40, Rosalind_62, Rose5_30, Rossetti_32, Rumpelstiltskin_32, RyeScarlet_59, Sachima_55, Salvatore2000_9, Salz_56, Samty_31, Sarshaun_32, Saskia_58, Schaffner_33, Scherzo_58, Schmidt_57, ScoobyDoobyDoo_73, SemperFi_59, Send513_40, Serenabean_52, Serenity_58, Shaboozey_44, ShakeItOph_39, Sham4_57, ShayRa_64, Shayna_36, SheaKeira_56, Sheng711_30, Shuman_46, Shweta_51, ShyRosie_9, Silverleaf_30, Simpson_35, Skelbel_35, Smeagan_61, Smoothie_126, SnapTap_58, Snape_57, Snek_33, Snenia_31, SoJulia_33, Soap141_32, SoilSleuth_9, Sorvannah_9, Soups_64, SpecialK_31, SpeedDemon_860, Splinter_63, Spouty_58, Squint_50, StCroix_45, StagePhright_9, StarStuff_60, Steamy_54, Stellammi_39, Stickynote_52, Stormbreaker_9, Strosahl_64, Stuck_67, Studio_2, Stuu_31, SuMoo_44, Subaru_35, Sue2_34, SunnyD_36, SunnyJune_47, SuperHands_42, Superchunk_56, Superphikiman_51, Swann_46, Sweetclover_51, SweetiePie_58, SwirlSquare_63, SwissCheezer_9, Switzerland_63, TMaxx_3, TWAMP_46, TZGordon_64, Tailonex_48, Takoda_46, Tallboi_33, Tbone_32, Teagster_37, TforTroy_34, Thibault_45, ThirteenKH_9, ThursdayNight_37, Tian_33, TicTac_9, Timothy_57, TinaLin_62, TinyTimmy_57, TinyTimothy_9, TipsytheTRex_54, Toaka_58, Tomathan_60, Toniann_125, Tourach_32, Towmatter_75, Travvers_60, TriFive_31, TripleC_6, TrippleS_9, Truong_9, Tubs_58, Tuck_36, Turab_32, Turbido_59, Tutumahutu_33, Tweety19_33, Tyson_30, UPIE_30, Ugenie5_55, UhSalsa_46, Underpass_32, Unphazed_9, UtzChips_41, VC3_61, VResidence_33, Vanisoa_58, Vendetta_63, Vetrix_32, Vibaki_39, Vitus_40, Volt_121, VroomVroom_39, Waits_64, Wamburgrxpress_30, Warda_33, Warrior24_66, WaterT_52, Waterlily_9, Weiss13_40, Wesak_9,

Whabigail7_59, Whirlwind_32, Wigglewiggle_32, Wilder_32, Wildwest_33, WilliamBoone_123, Winky_32, Wolpertinger_56, WorldCup_57, Wyatt2_30, Xitlalli_9, Yafa_9, Yang_33, Yecey3_59, YellowPanda_9, Yelo_40, YesChef_33, Yogi_45, Yoncess_45, Yotsuba_51, Yvonnetastic_129, Zakai_32, Zaria_30, Zenon_41, Zeta1847_35, Zhengyi_9, ZhongYanYuan_31, Ziko_119, Zimmer_55, Zion_52, Zooman_18, Zooman_331,

Summary by start number:

Start 63:
• Found in 4 of 859 (0.5%) of genes in pham
• Manual Annotations of this start: 4 of 693
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AN9_61 (A2), ANI8_61 (A2), C3_56 (A2), VC3_61 (A2),

Start 69:
• Found in 118 of 859 (13.7%) of genes in pham
• Manual Annotations of this start: 94 of 693
• Called 96.6% of time when present
• Phage (with cluster) where this start called: 40AC_59 (A17), AbbyPaige_60 (A2), Acolyte_53 (A2), Adzzy_59 (A2), Agape74_60 (A2), Aliter_58 (A9), Alma_58 (A9), Anselm_59 (A2), Arissanae_57 (A9), Ayanochan_59 (A9), Beemo_58 (A9), Bellris_57 (A9), Benvolio_55 (A2), BobSwaget_54 (A2), BogosyJay_57 (A9), Bugsy_60 (A2), Caraxes_58 (A2), Catalina_59 (A9), Celestialunch_57 (A9), Charm_56 (A9), Che12_59 (A2), ChipMunk_60 (A2), CogOmlette_57 (A9), Conquerage_58 (A9), Crucio_58 (A2), D29_56 (A2), D32_59 (A2), DBQu4n_60 (A2), Dalmatian_59 (A2), Darrell_60 (A9), Dignity_60 (A2), DreamTeam1_56 (A9), DudeLittle_57 (A2), Duplo_60 (A2), Echild_58 (A2), Eidsmoe_58 (A9), Elephantoon_57 (A9), EmyBug_57 (A9), EvilGenius_60 (A2), Fameo_58 (A2), Fayely_58 (A9), FiringLine_58 (A2), Georgie2_59 (A2), Heffalump_57 (A2), Herbertwm_56 (A2), HippoHollow_58 (A2), HortumSL17_58 (A9), Jerm_60 (A2), Jiawan_56 (A9), Journey13_52 (A2), Kerberos_60 (A2), Keziacharles14_58 (A9), KingCyrus_60 (A2), Klodlith_57 (A9), Koduck_59 (A2), L5_56 (A2), Larenn_57 (A2), Leviathan_60 (A2), LilTurb_59 (A2), Lilleskat_56 (A9), LionsBait_60 (A2), Lokk_55 (A2), LoneWolf_59 (A9), Malec_58 (A2), Maminiaina_57 (A9), MegTheThird_57 (A9), Miko_55 (A2), Minispark_57 (A9), MissWhite_57 (A2), Myxus_58 (A9), Naji_60 (A2), NothingSpecial_56 (A2), Odin_56 (A2), Onglai_56 (A9), PackMan_57 (A9), Ph8s_59 (A2), Phaeder_58 (A9), Pharaoh_53 (A12), Phonnegut_58 (A9), Pioneer_58 (A9), Pomar16_60 (A2), Power_57 (A2), Priya_58 (A9), Qobbit_58 (A9), QueenB2_57 (A2), QueenBeesly_58 (A2), Rachaly_57 (A2), Rahalelujah_58 (A9), Refuge_56 (A12), Retro23_59 (A2), RyeScarlet_59 (A9), Sachima_55 (A9), Scherzo_58 (A9), SemperFi_59 (A2), SheaKeira_56 (A9), Smeagan_61 (A2), SnapTap_58 (A2), Spouty_58 (A9), StarStuff_60 (A2), Steamy_54 (A12), Superchunk_56 (A2), SweetiePie_58 (A2), SwirlSquare_63 (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), WorldCup_57 (A9), Yecey3_59 (A9), Zimmer_55 (A12),

Start 76:
• Found in 4 of 859 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 693
• Called 50.0% of time when present

• Phage (with cluster) where this start called: Nedarya_60 (A15), ThursdayNight_37 (AZ),

Start 79:
• Found in 5 of 859 (0.6%) of genes in pham
• Manual Annotations of this start: 3 of 693
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Cen1621_38 (EH), MaGuCo_34 (AZ2), Maureen_36 (AZ2),

Start 80:
• Found in 5 of 859 (0.6%) of genes in pham
• Manual Annotations of this start: 3 of 693
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Music_39 (FL), Vibaki_39 (FL), Vitus_40 (FL), Yappy_50 (singleton),

Start 82:
• Found in 2 of 859 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 693
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Juicebox_39 (singleton),

Start 83:
• Found in 2 of 859 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 693
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Snek_33 (AZ3), Tweety19_33 (AZ3),

Start 84:
• Found in 5 of 859 (0.6%) of genes in pham
• Manual Annotations of this start: 4 of 693
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adumb2043_32 (AZ1), IttyBittyPiggy_33 (AZ1), KeAlii_33 (AZ1), Tallboi_33 (AZ1), Turab_32 (AZ1),

Start 85:
• Found in 2 of 859 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 693
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BrutonGaster_100 (CQ2), OneUp_110 (CQ2),

Start 87:
• Found in 32 of 859 (3.7%) of genes in pham
• Manual Annotations of this start: 28 of 693
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AGrandiflora_34 (AZ1), Ascela_34 (AZ1), Berrie_34 (AZ1), Cassia_34 (AZ1), Community_34 (AZ1), Cyan_33 (AZ1), DrSierra_32 (AZ1), Flutur_33 (AZ), Iter_34 (AZ1), Janeemi_35 (AZ1), Joemato_33 (AZ1), JohnDoe_33 (AZ1), JuneStar_33 (AZ1), Kaylissa_33 (AZ1), Kumao_40 (singleton), Lego_33 (AZ1), Lizalica_32 (AZ1), Nitro_33 (AZ1), Phives_35 (AZ1), Powerpuff_35 (AZ1), Pumpkins_33 (AZ1), Schaffner_33 (AZ1), Simpson_35 (AZ1),

Sue2_34 (AZ1), Tbone_32 (AZ1), TforTroy_34 (AZ1), Tuck_36 (AZ1), Tutumahutu_33 (AZ1), Warda_33 (AZ1), Wildwest_33 (AZ1), Yang_33 (AZ1), YesChef_33 (AZ1),

Start 88:
• Found in 6 of 859 (0.7%) of genes in pham
• Manual Annotations of this start: 5 of 693
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amyev_33 (AZ1), Crewmate_37 (AZ1), Mudpuppy_32 (AZ1), ObiToo_36 (AZ1), Pixelle_33 (AZ1), Tian_33 (AZ1),

Start 89:
• Found in 3 of 859 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Tailonex_48 (singleton),

Start 90:
• Found in 12 of 859 (1.4%) of genes in pham
• Manual Annotations of this start: 7 of 693
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AEgle_32 (AZ1), Adolin_32 (AZ1), Amploria_32 (AZ1), Asa16_34 (AZ1), DrManhattan_32 (AZ1), Elezi_34 (AZ1), Eraser_34 (AZ1), Jstan_36 (AZ1), London_34 (AZ1), Niobe_34 (AZ1), Skelbel_35 (AZ1), Subaru_35 (AZ1),

Start 91:
• Found in 12 of 859 (1.4%) of genes in pham
• Manual Annotations of this start: 3 of 693
• Called 66.7% of time when present
• Phage (with cluster) where this start called: AirForce1_46 (FL), BlackJade_54 (FL), Divya_49 (FL), GoldDust_40 (FL), Gooberta_40 (FL), Hirko_38 (FL), Jinkies_45 (FL), SunnyJune_47 (FL),

Start 92:
• Found in 66 of 859 (7.7%) of genes in pham
• Manual Annotations of this start: 48 of 693
• Called 89.4% of time when present
• Phage (with cluster) where this start called: Abscondus_124 (CQ1), Aneem_58 (A11), Anthony_54 (A20), Aphelion_125 (CQ1), Bachome_59 (A11), Bantam_85 (DL), Bowtie_58 (A11), Bradman_57 (A2), Bud_57 (A11), Cardigan_134 (DD), ClubL_125 (CQ1), Culver_125 (CQ1), Daredevil_75 (DL), DarthPhader_54 (A12), DatBoi_82 (DL), Dusty_122 (CQ1), EagleEye_60 (A16), Ebony_57 (A11), Et2Brutus_56 (A11), FatCactus_50 (A20), Fibonacci_57 (A11), Flaverint_58 (A11), Geeche_123 (CQ1), Gilberta_58 (A11), Hutc2_57 (A11), Insomnia_58 (A11), Jabith_58 (A11), JonJames_133 (DD), Joselito_58 (A11), Jsquared_56 (A2), Kimba_57 (A11), Lozinak_125 (CQ1), Lucivia_58 (A11), MaCh_58 (A11), Mabel_57 (A11), MajorMajor_57 (A2), Miskis_120 (CQ1), Mollymur_85 (DL), Mulciber_57 (A11), Munch_58 (A11), Norvs_124 (CQ1), Orange_57 (A11), PainterBoy_59 (A16), Petersenfast_56 (A11), Phlei_47 (A13), Quokka_56 (A2), Salz_56 (A11), Saskia_58 (A11), Serenity_58 (A2), Sham4_57 (A11), Smoothie_126 (CQ1), Snape_57 (A11), SpeedDemon_860 (DL), Timothy_57 (A11), TinyTimmy_57 (A11), TipsytheTRex_54 (A2), Towmatter_75 (DL), Wolpertinger_56 (A11), Yvonnetastic_129 (DD),

Start 93:
• Found in 6 of 859 (0.7%) of genes in pham
• Manual Annotations of this start: 4 of 693
• Called 66.7% of time when present
• Phage (with cluster) where this start called: MissSwiss_32 (AZ1), Reedo_32 (AZ1), Shweta_51 (N), VResidence_33 (AZ1),

Start 94:
• Found in 24 of 859 (2.8%) of genes in pham
• Manual Annotations of this start: 23 of 693
• 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), Floof_43 (EH), Honk_39 (EH), JSwag_63 (A15), KatherineG_64 (A15), LastResort_62 (A15), Looper_63 (A15), MinecraftSteve_64 (A15), Nebulosus_62 (A15), Oofda_65 (A15), Ravana_67 (A15), ReMo_62 (A15), Remus_64 (A15), Rosalind_62 (A15), ShayRa_64 (A15), Soups_64 (A15), Strosahl_64 (A15), Switzerland_63 (A15), Waits_64 (A15), Warrior24_66 (A15),

Start 95:
• Found in 50 of 859 (5.8%) of genes in pham
• Manual Annotations of this start: 44 of 693
• Called 94.0% 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), Bachita_128 (CQ1), Belenaria_46 (CA), BobbyDazzler_46 (CA), Bonanza_46 (CA), Bradshaw_46 (CA), Bryce_45 (CA), CosmicSans_46 (CA), Cucurbita_126 (CQ1), Dinger_45 (CA), Engineer_127 (CQ1), 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), PhinkBoden_125 (CQ1), 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), Toniann_125 (CQ1), UhSalsa_46 (CA), WilliamBoone_123 (CQ1), Yogi_45 (CA), Yoncess_45 (CA),

Start 96:
• Found in 10 of 859 (1.2%) of genes in pham
• Manual Annotations of this start: 9 of 693
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Candle_40 (R), MontyDev_40 (R), Nilo_41 (R), Papyrus_40 (R), Riparian_40 (R), Rope_40 (R), Send513_40 (R), Weiss13_40 (R), Yelo_40 (R), Zenon_41 (R),

Start 97:
• Found in 3 of 859 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LastNadiia_6 (FR), Makima_4 (FR), Mireles_3 (FR),

Start 98:

• Found in 23 of 859 (2.7%) of genes in pham
• Manual Annotations of this start: 21 of 693
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ashes_31 (AZ5), Beaupre_31 (AZ5), Cappuccino_31 (AZ5), Donkey_31 (AZ5), EmiRose_45 (singleton), FiveHead_43 (AZ4), Gambol_31 (AZ5), Giorgio_31 (AZ5), Gumpizza_31 (AZ5), Halsey_31 (AZ5), JasmineDragon_39 (AZ4), JohnThicc_42 (AZ4), Kalimba_31 (AZ5), MiniMommy_38 (AZ4), Moss_31 (AZ5), Mysterium_31 (AZ5), RockScotty_31 (AZ5), Sabourin_31 (AZ5), ShakeItOph_39 (AZ4), Sooty_31 (AZ5), SpecialK_31 (AZ5), Stuu_31 (AZ5), VroomVroom_39 (AZ4),

Start 99:
• Found in 1 of 859 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 693
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Count_87 (EL),

Start 100:
• Found in 214 of 859 (24.9%) of genes in pham
• Manual Annotations of this start: 66 of 693
• Called 36.9% 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), Barnstormer_41 (EH), Barroma_9 (EK2), Biozilla_9 (EK1), Birdfeeder_9 (EK1), C3PO_50 (EN), Caron_44 (EH), Conditioner_9 (EK1), Corn21_9 (EK1), Cruella_50 (EN), CrunchyBoi_10 (EK1), Darwin_54 (EN), Dashyla_9 (EK1), DumpQuist_9 (EK1), EugeneKrabs_9 (EK), ExplosioNervosa_58 (A9), Fede_9 (EK2), Forester_68 (EH), Fullmetal_9 (EK2), GardenState_42 (EH), Gretchen_42 (EH), HitchHiker_10 (EK1), IAmGroot_42 (EH), JessellCookie_9 (EK1), JordanFarm_9 (EK2), Keough_9 (EK2), Kimchi1738_51 (EN), KingKamren_9 (EK), Kosier_9 (EK2), LilyLou_9 (EK1), Mabodamaca_42 (EH), Mazun_9 (EK2), MiamiPanther_9 (EK1), Moleficent_9 (EK2), Morrill_9 (EK2), Oatly_9 (EK1), P1201_68 (singleton), Pabst_9 (EK1), Percival_43 (EH), PeteyPab_51 (EN), Pharky_9 (EK2), Phedro_9 (EK2), Phogo_9 (EK1), Phractured_9 (EK2), PhriedRice_9 (EK2), PineapplePluto_10 (EK1), PotatoChip_52 (EN), RicoCaldo_9 (EK2), Salvatore2000_9 (EK1), ShyRosie_9 (EK2), SoilSleuth_9 (EK2), Sorvannah_9 (EK1), StagePhright_9 (EK2), Stickynote_52 (EN), Stormbreaker_9 (EK1), SuMoo_44 (EH), SuperHands_42 (EH), SwissCheezer_9 (EK1), ThirteenKH_9 (EK2), TicTac_9 (EK1), TinyTimothy_9 (EK1), TrippleS_9 (EK2), Truong_9 (EK2), Unphazed_9 (EK1), UtzChips_41 (EH), Waterlily_9 (EK2), Wesak_9 (EK1), Xitlalli_9 (EK1), Yafa_9 (EK2), YellowPanda_9 (EK1), Zeta1847_35 (EH), Zhengyi_9 (EK), Zion_52 (EN),

Start 101:
• Found in 9 of 859 (1.0%) of genes in pham
• Manual Annotations of this start: 1 of 693
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnnabelLee_3 (FR), CardboardBox_3 (FR), ChamoyPickle_3 (FR), ChipsNGuac_3 (FR), Ezurina_2 (FR), Gerri43_3 (FR), Neuvillette_3 (FR), Roberts_3 (FR), Studio_2 (FR),

Start 102:
• Found in 14 of 859 (1.6%) of genes in pham
• Manual Annotations of this start: 13 of 693

• Called 100.0% of time when present
• Phage (with cluster) where this start called: AddiRose_51 (JA), BaboJay_37 (E), Bogg_38 (E), Daddyjeff_52 (JA), Eevee_51 (JA), Eureka_38 (E), Goku_38 (E), JimmyPG_9 (EK2), JoyLin_51 (JA), Pippin15_52 (JA), Pitbull_58 (FQ), Serenabean_52 (JA), Sweetclover_51 (JA), Yotsuba_51 (JA),

Start 103:
• Found in 4 of 859 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 693
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Agamotto_5 (FR), Audell_6 (FR), Kikiko_7 (EM2), TripleC_6 (FR),

Start 104:
• Found in 108 of 859 (12.6%) of genes in pham
• Manual Annotations of this start: 73 of 693
• Called 71.3% of time when present
• Phage (with cluster) where this start called: Acquire49_30 (L1), Appletree2_30 (L1), Archie_32 (L2), AvadaKedavra_30 (L1), Banquo_62 (CU1), Bazzle_32 (L2), Bellis_31 (L3), BigCheese_32 (L2), BobsGarage_32 (L2), Breezona_32 (L2), Bromden_32 (L4), Calm_30 (L1), Chaser_30 (L4), CicholasNage_30 (L1), Clautastrophe_31 (L3), Crossroads_32 (L2), Dardanus_57 (CU3), DinoDaryn_63 (CU1), Douge_30 (L4), DrSeegs_32 (L2), DuncansLeg_31 (L3), DyoEdafos_31 (L4), Ellson_31 (L3), Enceladus_30 (L1), Faith1_32 (L2), Finemlucis_32 (L2), Finnry_31 (L3), Gabriela_32 (L2), Gardann_32 (L2), Goib_64 (CU1), GuuelaD_32 (L2), Halena_30 (L1), Huffy_63 (CU1), Itos_32 (L2), JoeDirt_30 (L1), Jubie_31 (L3), Kingsolomon_31 (L3), Kropertea_30 (L4), Krypton555_31 (L3), LeBron_30 (L1), LilDestine_32 (L2), LiyuLake_31 (L3), Loadrie_32 (L2), Lolly9_31 (L3), Lumos_31 (L3), MAckerman_30 (L1), Miley16_32 (L2), MiniLon_31 (L3), MiniMac_31 (L3), MkaliMitinis3_32 (L2), MsGreen_31 (L3), Netyap_32 (L2), Nicholas_31 (L3), Nicholasp3_32 (L2), OhShagHennessy_30 (L1), Poochiewood_30 (L1), Rose5_30 (L1), Samty_31 (L3), Silverleaf_30 (L1), Snenia_31 (L3), Splinter_63 (CU1), TZGordon_64 (CU1), TinaLin_62 (CU1), Tourach_32 (L2), TriFive_31 (L3), UPIE_30 (L1), Underpass_32 (L2), Vendetta_63 (CU1), Vetrix_32 (L2), Wamburgrxpress_30 (L1), Whirlwind_32 (L3), Wigglewiggle_32 (L2), Wilder_32 (L2), Winky_32 (L2), Wyatt2_30 (L1), Zakai_32 (L2), Zaria_30 (L1),

Start 105:
• Found in 226 of 859 (26.3%) of genes in pham
• Manual Annotations of this start: 178 of 693
• Called 93.8% of time when present
• Phage (with cluster) where this start called: 244_39 (E), A3Wally_218 (GD1), ABCat_36 (E), Adnama_40 (E), Aikoy_52 (AE), AinMach_35 (AZ7), Amao_37 (E), AmericanBeauty_39 (E), Argent26_39 (E), Artu_100 (FC), Asriel_36 (E), Atuin_102 (FC), Azrael100_52 (V), 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), Big4_204 (GD2), BigBubba_38 (E), BilboSwaggins_37 (E), Bobby_51 (J), Bombitas_49 (J), BooTeria_104 (FC), Brewer_37 (E), Bruin_37 (E), Buck_36 (E), BugsBunny_35 (E), Cactus_38 (E), Cece_195 (GD3), CherryTomatoes_78 (DO), ChosenOne_37 (E), ChotaBhai_37 (E), Cjw1_37 (E), Command613_38 (E), Constella_44 (J), Contagion_36 (E), Cookies_37 (E), Cosmo_53 (V), CrystalP_37 (E), Czyszczon1_38 (E), Daikon_36 (E), Dallas_54 (J), DmpstrDiver_53 (J), DoctorDiddles_37 (E), Dodo_218 (GD1), Dove_49 (J), DrDrey_38 (E), Duke13_55

(J), Dumbo_37 (E), DunneganBoMo_97 (FC), Dusk_36 (E), Easy2Say_39 (E), Ejimix_52 (J), Elite2014_36 (E), Ellewin_99 (FC), Elph10_38 (E), Emmetator_100 (FC), Emmina_38 (E), EniyanLRS_50 (V), Erasmago_208 (GD2), EricMillard_52 (J), 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), Greely_81 (C2), 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), JeTaime_39 (E), JuicyJay_54 (J), KSunshine22_102 (FC), Kalah2_52 (J), Kanye_39 (E), KashFlow_45 (J), Kimchi_39 (E), Klein_52 (J), Kostya_38 (E), Kumotta_57 (FB), LeoJr_107 (FC), Leopard_52 (AE), Lilac_39 (E), Lilizi_39 (E), Lilpickle_36 (E), MISSy_36 (E), MPhalcon_36 (E), MadamMonkfish_37 (E), Manda_38 (E), MargaretKali_53 (FB), Marshmallow_37 (E), MaryV_53 (V), Maxxinista_38 (E), Mbo4_60 (singleton), Mindy_37 (E), Minerva_58 (J), Miniwave_37 (E), Misfit_37 (E), MissAmericana_7 (EM2), Moldemort_38 (E), MollyToe_37 (E), Mosby_36 (E), Murica_36 (E), Murphy_38 (E), Myrale_37 (E), Myrna_77 (C2), 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), Panchaali_104 (FC), Paperbeatsrock_39 (E), Pat3_36 (E), PauloDiaboli_218 (GD1), Petra64142_39 (E), Phabba_83 (C2), Pharsalus_38 (E), PhatBacter_37 (E), Phaux_36 (E), Phoebus_51 (J), Phrux_37 (E), Policronamos_37 (E), Porky_37 (E), Pound_54 (J), Ptowny_38 (E), Pumpernickel_201 (GD4), Pumpkin_39 (E), Pupper_77 (DO), Quallification_38 (E), Rakim_38 (E), Rearden_46 (J), Redno2_50 (J), ReginaGlobina_107 (FC), Rimmer_36 (E), RiverMonster_37 (E), SCentae_76 (DO), Saints25_38 (E), Sassay_36 (E), Schatzie_49 (J), ShamWow_37 (E), Simpliphy_38 (E), SirDuracell_36 (E), Skog_140 (DO), SophKB_37 (E), Sotrice96_37 (E), Stank_40 (E), Stark_38 (E), StellaBean_37 (E), Stewart25555_99 (FC), StolenFromERC_39 (E), StormChicken_37 (E), 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), Tuco_38 (E), Ukulele_37 (E), WaddleDee_95 (FC), Wanda_58 (J), Wiggin_40 (E), Wildcat_53 (V), Willez_36 (E), Xandras_39 (E), Xiaokay_47 (J), YassJohnny_38 (E), Yeet_50 (J), Youngblood_37 (E), Zelink_53 (J), Zooman_185 (GD2), xkcd_38 (E),

Start 106:
• Found in 18 of 859 (2.1%) of genes in pham
• Manual Annotations of this start: 12 of 693
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Altostratus_60 (FS), BarnCat_46 (GB), Cassita_54 (GB), Catfish_63 (CU5), DS6A_74 (singleton), Gsput1_55 (CU2), Khuang_61 (FS), LeeroyJenkins_54 (GB), Lifes_48 (GB), Orkz_49 (FL), Schmidt_57 (CU4), ScoobyDoobyDoo_73 (C2), TMaxx_3 (FR), WaterT_52 (GB), Zooman_18 (GD2), Zooman_331 (GD2),

Start 107:
• Found in 1 of 859 (0.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stellammi_39 (UNK),

Start 108:
• Found in 119 of 859 (13.9%) of genes in pham
• Manual Annotations of this start: 16 of 693
• Called 15.1% of time when present
• Phage (with cluster) where this start called: A3Wally_20 (GD1), A3Wally_373 (GD1), Big4_20 (GD2), Big4_346 (GD2), CliffHanger_37 (EB), Dodo_21 (GD1), Dodo_371 (GD1), Fryberger_117 (DP), Guey18_121 (DP), Keelan_118 (DP), PauloDiaboli_20 (GD1), PauloDiaboli_375 (GD1), Ronaldo_118 (DP), Shayna_36 (EB), SunnyD_36 (EB), Teagster_37 (EB), Volt_121 (DP), Ziko_119 (DP),

Start 109:
• Found in 4 of 859 (0.5%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Bluvara_58 (UNK), Stuck_67 (I2),

Start 110:
• Found in 149 of 859 (17.3%) of genes in pham
• Manual Annotations of this start: 9 of 693
• Called 7.4% of time when present
• Phage (with cluster) where this start called: Ariel_51 (J), Courthouse_51 (J), LittleE_56 (J), Lucky2013_51 (J), MiaZeal_51 (J), Nekros_50 (J), Omega_56 (J), Porcelain_50 (J), Red305_31 (L3), Superphikiman_51 (J), Thibault_45 (J),

Start 117:
• Found in 67 of 859 (7.8%) of genes in pham
• Manual Annotations of this start: 2 of 693
• Called 3.0% of time when present
• Phage (with cluster) where this start called: Aegeus_33 (L5), Baudelaire_33 (L5),

Start 118:
• Found in 20 of 859 (2.3%) of genes in pham
• Manual Annotations of this start: 1 of 693
• Called 30.0% of time when present
• Phage (with cluster) where this start called: BronnyJames_44 (J), Gonephishing_53 (J), Hidrated_52 (J), Marleymoo_53 (J), Shaboozey_44 (J), Squint_50 (J),

Start 120:
• Found in 102 of 859 (11.9%) of genes in pham
• Manual Annotations of this start: 8 of 693
• Called 27.5% of time when present
• Phage (with cluster) where this start called: Baoshan_31 (L2), BourbonZero_30 (L3), BrainDrainer_31 (L4), ChutneyChips_30 (L4), Claus_32 (L2), DHan_32 (L2), DanBing_31 (L2), DirkDirk_30 (L1), Douzhi_30 (L4), FarmResident_30 (L4), Hafay_32 (L2), Jobypre_31 (L3), Kahlid_32 (L2), KirDoubleO7_29 (L3), Lewan_32 (L2), Lynnae_32 (L2), Moostard_31 (L3), OverPar_33 (L2), 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 121:
• Found in 1 of 859 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 693

• Called 100.0% of time when present
• Phage (with cluster) where this start called: JackSparrow_64 (A1),

Start 125:
• Found in 51 of 859 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 693
• Called 9.8% of time when present
• Phage (with cluster) where this start called: EdogawaKiddo_56 (A9), Hanray_56 (A9), Holex_57 (A9), IUFootball_36 (AZ2), Liebe_36 (AZ2),

Start 127:
• Found in 152 of 859 (17.7%) of genes in pham
• Manual Annotations of this start: 3 of 693
• Called 3.3% of time when present
• Phage (with cluster) where this start called: Budgie_40 (E), FairyPath_37 (E), IHOP_37 (E), Phaja_37 (E), ShereKhan_39 (E),

Start 128:
• Found in 1 of 859 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 693
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Indlulamithi_37 (AC),

Start 129:
• Found in 62 of 859 (7.2%) of genes in pham
• No Manual Annotations of this start.
• Called 1.6% of time when present
• Phage (with cluster) where this start called: RoseMarie_41 (M1),

Summary by clusters:

There are 66 clusters represented in this pham: DO, GD1, GD2, FS, GD4, FQ, DL, DD, V, FR, FB, FC, M1, CU4, GD3, AE, FL, JA, DP, A15, CU5, A16, A11, CU2, CU1, A12, I2, A1, A2, A13, A9, C2, CQ1, EL, AC, EN, E, EH, EK, CA, J, A17, EB, L4, R, L2, L3, L1, CU3, singleton, UNK, A20, CQ2, AZ7, AZ, AZ5, N, L5, EM2, AZ1, AZ2, AZ3, AZ4, EK2, EK1, GB,

Info for manual annotations of cluster A1:
•Start number 121 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A11:
•Start number 92 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 69 was manually annotated 4 times for cluster A12.
•Start number 92 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A15:
•Start number 76 was manually annotated 1 time for cluster A15.
•Start number 94 was manually annotated 21 times for cluster A15.
•Start number 95 was manually annotated 1 time for cluster A15.

Info for manual annotations of cluster A16:
•Start number 92 was manually annotated 2 times for cluster A16.
•Start number 95 was manually annotated 1 time for cluster A16.

Info for manual annotations of cluster A2:
•Start number 63 was manually annotated 4 times for cluster A2.
•Start number 69 was manually annotated 56 times for cluster A2.
•Start number 92 was manually annotated 3 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 92 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A9:
•Start number 69 was manually annotated 34 times for cluster A9.
•Start number 100 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AC:
•Start number 128 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster AE:
•Start number 105 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster AZ1:
•Start number 84 was manually annotated 4 times for cluster AZ1.
•Start number 87 was manually annotated 27 times for cluster AZ1.
•Start number 88 was manually annotated 5 times for cluster AZ1.
•Start number 90 was manually annotated 7 times for cluster AZ1.
•Start number 93 was manually annotated 3 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 79 was manually annotated 2 times for cluster AZ2.
•Start number 125 was manually annotated 1 time for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 83 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:
•Start number 98 was manually annotated 4 times for cluster AZ4.

Info for manual annotations of cluster AZ5:
•Start number 98 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster C2:
•Start number 105 was manually annotated 2 times for cluster C2.
•Start number 106 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster CA:
•Start number 95 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CQ1:

•Start number 92 was manually annotated 9 times for cluster CQ1.
•Start number 95 was manually annotated 6 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 85 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CU1:
•Start number 104 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 104 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 106 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 106 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster DD:
•Start number 92 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:
•Start number 92 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DO:
•Start number 105 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster DP:
•Start number 108 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster E:
•Start number 102 was manually annotated 3 times for cluster E.
•Start number 105 was manually annotated 121 times for cluster E.
•Start number 127 was manually annotated 3 times for cluster E.

Info for manual annotations of cluster EB:
•Start number 108 was manually annotated 4 times for cluster EB.

Info for manual annotations of cluster EH:
•Start number 79 was manually annotated 1 time for cluster EH.
•Start number 94 was manually annotated 2 times for cluster EH.
•Start number 100 was manually annotated 10 times for cluster EH.

Info for manual annotations of cluster EK:
•Start number 100 was manually annotated 3 times for cluster EK.

Info for manual annotations of cluster EK1:
•Start number 100 was manually annotated 22 times for cluster EK1.

Info for manual annotations of cluster EK2:
•Start number 100 was manually annotated 22 times for cluster EK2.
•Start number 102 was manually annotated 1 time for cluster EK2.

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

Info for manual annotations of cluster EM2:
•Start number 105 was manually annotated 1 time for cluster EM2.

Info for manual annotations of cluster EN:
•Start number 100 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster FB:
•Start number 105 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FC:
•Start number 105 was manually annotated 3 times for cluster FC.

Info for manual annotations of cluster FL:
•Start number 80 was manually annotated 2 times for cluster FL.
•Start number 91 was manually annotated 3 times for cluster FL.

Info for manual annotations of cluster FQ:
•Start number 102 was manually annotated 1 time for cluster FQ.

Info for manual annotations of cluster FR:
•Start number 101 was manually annotated 1 time for cluster FR.
•Start number 103 was manually annotated 1 time for cluster FR.

Info for manual annotations of cluster FS:
•Start number 106 was manually annotated 1 time for cluster FS.

Info for manual annotations of cluster GB:
•Start number 106 was manually annotated 5 times for cluster GB.

Info for manual annotations of cluster GD1:
•Start number 105 was manually annotated 2 times for cluster GD1.
•Start number 108 was manually annotated 4 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 105 was manually annotated 2 times for cluster GD2.
•Start number 106 was manually annotated 2 times for cluster GD2.
•Start number 108 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 105 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:
•Start number 105 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster J:
•Start number 105 was manually annotated 30 times for cluster J.
•Start number 110 was manually annotated 9 times for cluster J.
•Start number 118 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster JA:
•Start number 102 was manually annotated 8 times for cluster JA.

Info for manual annotations of cluster L1:
•Start number 104 was manually annotated 17 times for cluster L1.
•Start number 120 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 104 was manually annotated 26 times for cluster L2.
•Start number 120 was manually annotated 4 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 104 was manually annotated 17 times for cluster L3.
•Start number 120 was manually annotated 2 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 104 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:
•Start number 117 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster N:
•Start number 93 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster R:
•Start number 96 was manually annotated 9 times for cluster R.

Info for manual annotations of cluster V:
•Start number 105 was manually annotated 5 times for cluster V.

Gene Information:

Gene: 244_39 Start: 33415, Stop: 33660, Start Num: 105
Candidate Starts for 244_39:
(Start: 105 @33415 has 178 MA's), (Start: 127 @33472 has 3 MA's), (138, 33505), (140, 33511), (170, 33565), (178, 33577),

Gene: 40AC_59 Start: 39531, Stop: 39259, Start Num: 69
Candidate Starts for 40AC_59:
(Start: 69 @39531 has 94 MA's), (Start: 108 @39510 has 16 MA's), (Start: 110 @39504 has 9 MA's), (147, 39417), (160, 39381), (178, 39351),

Gene: A3Wally_218 Start: 118317, Stop: 118063, Start Num: 105
Candidate Starts for A3Wally_218:
(Start: 105 @118317 has 178 MA's), (153, 118203), (165, 118176), (189, 118131),

Gene: A3Wally_20 Start: 7196, Stop: 7426, Start Num: 108
Candidate Starts for A3Wally_20:

(Start: 108 @7196 has 16 MA's), (133, 7268), (206, 7415),

Gene: A3Wally_373 Start: 186417, Stop: 186647, Start Num: 108
Candidate Starts for A3Wally_373:
(Start: 108 @186417 has 16 MA's), (133, 186489), (206, 186636),

Gene: ABCat_36 Start: 33127, Stop: 33372, Start Num: 105
Candidate Starts for ABCat_36:
(Start: 105 @33127 has 178 MA's), (Start: 127 @33184 has 3 MA's), (138, 33217), (140, 33223), (170, 33277), (178, 33289),

Gene: AEgle_32 Start: 24443, Stop: 24685, Start Num: 90
Candidate Starts for AEgle_32:
(Start: 90 @24443 has 7 MA's),

Gene: AGrandiflora_34 Start: 24670, Stop: 24936, Start Num: 87
Candidate Starts for AGrandiflora_34:
(18, 24412), (23, 24448), (Start: 87 @24670 has 28 MA's), (175, 24853),

Gene: AN9_61 Start: 38705, Stop: 38394, Start Num: 63
Candidate Starts for AN9_61:
(Start: 63 @38705 has 4 MA's), (Start: 92 @38666 has 48 MA's), (Start: 100 @38657 has 66 MA's), (137, 38564), (160, 38516), (178, 38486),

Gene: ANI8_61 Start: 38705, Stop: 38394, Start Num: 63
Candidate Starts for ANI8_61:
(Start: 63 @38705 has 4 MA's), (Start: 92 @38666 has 48 MA's), (Start: 100 @38657 has 66 MA's), (137, 38564), (160, 38516), (178, 38486),

Gene: AbbyPaige_60 Start: 38775, Stop: 38503, Start Num: 69
Candidate Starts for AbbyPaige_60:
(Start: 69 @38775 has 94 MA's), (Start: 100 @38766 has 66 MA's), (Start: 108 @38754 has 16 MA's), (Start: 110 @38748 has 9 MA's),

Gene: Abscondus_124 Start: 70975, Stop: 71268, Start Num: 92
Candidate Starts for Abscondus_124:
(Start: 92 @70975 has 48 MA's), (Start: 117 @71023 has 2 MA's), (173, 71152),

Gene: Acolyte_53 Start: 37597, Stop: 37325, Start Num: 69
Candidate Starts for Acolyte_53:
(Start: 69 @37597 has 94 MA's), (Start: 100 @37588 has 66 MA's), (Start: 108 @37576 has 16 MA's), (Start: 110 @37570 has 9 MA's), (124, 37534), (138, 37492), (160, 37447),

Gene: Acquire49_30 Start: 27690, Stop: 27959, Start Num: 104
Candidate Starts for Acquire49_30:
(Start: 104 @27690 has 73 MA's), (Start: 120 @27735 has 8 MA's), (173, 27843),

Gene: AddiRose_51 Start: 34005, Stop: 34238, Start Num: 102
Candidate Starts for AddiRose_51:
(Start: 102 @34005 has 13 MA's), (157, 34140),

Gene: Adnama_40 Start: 33642, Stop: 33887, Start Num: 105
Candidate Starts for Adnama_40:

(Start: 105 @33642 has 178 MA's), (Start: 127 @33699 has 3 MA's), (138, 33732), (140, 33738), (170, 33792), (178, 33804),

Gene: Adolin_32 Start: 23104, Stop: 23349, Start Num: 90
Candidate Starts for Adolin_32:
(11, 22735), (18, 22849), (23, 22885), (Start: 90 @23104 has 7 MA's),

Gene: Adumb2043_32 Start: 24438, Stop: 24704, Start Num: 84
Candidate Starts for Adumb2043_32:
(6, 23982), (18, 24183), (23, 24219), (Start: 84 @24438 has 4 MA's), (175, 24621),

Gene: Adzzy_59 Start: 37247, Stop: 36975, Start Num: 69
Candidate Starts for Adzzy_59:
(Start: 69 @37247 has 94 MA's), (124, 37184), (140, 37136), (160, 37097), (165, 37085), (178, 37067),

Gene: Aegeus_33 Start: 27825, Stop: 28055, Start Num: 117
Candidate Starts for Aegeus_33:
(Start: 104 @27789 has 73 MA's), (115, 27816), (Start: 117 @27825 has 2 MA's), (129, 27852), (138, 27882), (151, 27903), (173, 27942), (175, 27945), (178, 27948), (208, 28005), (211, 28014),

Gene: Agamotto_5 Start: 4114, Stop: 4374, Start Num: 103
Candidate Starts for Agamotto_5:
(Start: 103 @4114 has 1 MA's), (Start: 106 @4117 has 12 MA's),

Gene: Agape74_60 Start: 38769, Stop: 38497, Start Num: 69
Candidate Starts for Agape74_60:
(Start: 69 @38769 has 94 MA's), (Start: 100 @38760 has 66 MA's), (Start: 108 @38748 has 16 MA's), (Start: 110 @38742 has 9 MA's), (160, 38619),

Gene: Aikoy_52 Start: 39434, Stop: 39189, Start Num: 105
Candidate Starts for Aikoy_52:
(Start: 105 @39434 has 178 MA's), (129, 39374), (137, 39347), (157, 39308), (170, 39284), (173, 39278), (178, 39272), (188, 39248),

Gene: AinMach_35 Start: 25558, Stop: 25839, Start Num: 105
Candidate Starts for AinMach_35:
(30, 25390), (86, 25534), (Start: 105 @25558 has 178 MA's), (175, 25723),

Gene: AirForce1_46 Start: 33134, Stop: 33424, Start Num: 91
Candidate Starts for AirForce1_46:
(44, 33035), (Start: 91 @33134 has 3 MA's), (Start: 117 @33185 has 2 MA's), (124, 33200), (165, 33302), (173, 33314),

Gene: Akoni_9 Start: 6089, Stop: 5751, Start Num: 100
Candidate Starts for Akoni_9:
(43, 6161), (Start: 100 @6089 has 66 MA's), (Start: 117 @6050 has 2 MA's), (138, 5978), (148, 5939), (162, 5897), (212, 5798),

Gene: Alatin_45 Start: 34365, Stop: 34069, Start Num: 95
Candidate Starts for Alatin_45:
(Start: 95 @34365 has 44 MA's), (Start: 108 @34347 has 16 MA's), (Start: 110 @34341 has 9 MA's), (157, 34224), (175, 34191), (180, 34185), (207, 34125), (222, 34077),

Gene: Alex44_9 Start: 6356, Stop: 6036, Start Num: 100
Candidate Starts for Alex44_9:
(39, 6476), (52, 6446), (Start: 100 @6356 has 66 MA's), (122, 6305), (129, 6290), (139, 6242), (190, 6101),

Gene: Aliter_58 Start: 38153, Stop: 37881, Start Num: 69
Candidate Starts for Aliter_58:
(Start: 69 @38153 has 94 MA's), (Start: 100 @38144 has 66 MA's), (Start: 125 @38087 has 1 MA's), (137, 38051), (156, 38012), (170, 37985), (178, 37973),

Gene: Alma_58 Start: 38528, Stop: 38256, Start Num: 69
Candidate Starts for Alma_58:
(Start: 69 @38528 has 94 MA's), (Start: 100 @38519 has 66 MA's), (Start: 125 @38462 has 1 MA's), (137, 38426), (156, 38387), (170, 38360), (178, 38348),

Gene: AloeVera_9 Start: 6089, Stop: 5751, Start Num: 100
Candidate Starts for AloeVera_9:
(43, 6161), (Start: 100 @6089 has 66 MA's), (138, 5978), (148, 5939), (212, 5798),

Gene: Alpacados_45 Start: 34270, Stop: 33974, Start Num: 95
Candidate Starts for Alpacados_45:
(Start: 95 @34270 has 44 MA's), (Start: 108 @34252 has 16 MA's), (Start: 110 @34246 has 9 MA's), (157, 34129), (175, 34096), (180, 34090), (207, 34030), (222, 33982),

Gene: Altostratus_60 Start: 35532, Stop: 35810, Start Num: 106
Candidate Starts for Altostratus_60:
(Start: 106 @35532 has 12 MA's), (122, 35577), (138, 35622), (171, 35697),

Gene: Amao_37 Start: 32339, Stop: 32584, Start Num: 105
Candidate Starts for Amao_37:
(Start: 105 @32339 has 178 MA's), (Start: 127 @32396 has 3 MA's), (138, 32429), (140, 32435), (165, 32483), (170, 32489), (178, 32501),

Gene: AmericanBeauty_39 Start: 33122, Stop: 33367, Start Num: 105
Candidate Starts for AmericanBeauty_39:
(Start: 105 @33122 has 178 MA's), (Start: 127 @33179 has 3 MA's), (138, 33212), (140, 33218), (170, 33272), (178, 33284),

Gene: Amploria_32 Start: 24442, Stop: 24684, Start Num: 90
Candidate Starts for Amploria_32:
(Start: 90 @24442 has 7 MA's),

Gene: Amyev_33 Start: 26378, Stop: 26620, Start Num: 88
Candidate Starts for Amyev_33:
(Start: 88 @26378 has 5 MA's),

Gene: Anaysia_64 Start: 37667, Stop: 37398, Start Num: 94
Candidate Starts for Anaysia_64:
(5, 38111), (10, 38087), (12, 38009), (Start: 94 @37667 has 23 MA's), (178, 37490), (195, 37451),

Gene: Aneem_58 Start: 37786, Stop: 37514, Start Num: 92
Candidate Starts for Aneem_58:
(Start: 92 @37786 has 48 MA's), (Start: 100 @37777 has 66 MA's), (178, 37606),

Gene: AngryOrchard_44 Start: 34430, Stop: 34134, Start Num: 95
Candidate Starts for AngryOrchard_44:
(Start: 95 @34430 has 44 MA's), (Start: 108 @34412 has 16 MA's), (Start: 110 @34406 has 9 MA's), (157, 34289), (175, 34256), (180, 34250), (207, 34190), (222, 34142),

Gene: AnnabelLee_3 Start: 977, Stop: 1246, Start Num: 101
Candidate Starts for AnnabelLee_3:
(Start: 101 @977 has 1 MA's),

Gene: Anon_61 Start: 37216, Stop: 36947, Start Num: 95
Candidate Starts for Anon_61:
(Start: 95 @37216 has 44 MA's), (157, 37075), (188, 37018), (202, 36982),

Gene: Anselm_59 Start: 38676, Stop: 38404, Start Num: 69
Candidate Starts for Anselm_59:
(Start: 69 @38676 has 94 MA's), (Start: 100 @38667 has 66 MA's), (Start: 108 @38655 has 16 MA's), (Start: 110 @38649 has 9 MA's), (160, 38526), (178, 38496),

Gene: Anthony_54 Start: 36233, Stop: 35961, Start Num: 92
Candidate Starts for Anthony_54:
(Start: 92 @36233 has 48 MA's), (Start: 100 @36224 has 66 MA's), (Start: 110 @36206 has 9 MA's), (Start: 117 @36185 has 2 MA's), (178, 36053),

Gene: Aphelion_125 Start: 72038, Stop: 72331, Start Num: 92
Candidate Starts for Aphelion_125:
(Start: 92 @72038 has 48 MA's), (Start: 117 @72086 has 2 MA's), (173, 72215),

Gene: AppleCloud_43 Start: 34089, Stop: 33793, Start Num: 95
Candidate Starts for AppleCloud_43:
(Start: 95 @34089 has 44 MA's), (Start: 108 @34071 has 16 MA's), (Start: 110 @34065 has 9 MA's), (156, 33951), (157, 33948), (175, 33915), (180, 33909),

Gene: Appletree2_30 Start: 27633, Stop: 27902, Start Num: 104
Candidate Starts for Appletree2_30:
(Start: 104 @27633 has 73 MA's), (Start: 120 @27678 has 8 MA's), (173, 27786),

Gene: ArMaWen_9 Start: 6356, Stop: 6033, Start Num: 100
Candidate Starts for ArMaWen_9:
(52, 6446), (Start: 100 @6356 has 66 MA's), (122, 6305), (133, 6260), (139, 6242), (202, 6086),

Gene: Archie_32 Start: 28911, Stop: 29177, Start Num: 104
Candidate Starts for Archie_32:
(Start: 104 @28911 has 73 MA's), (Start: 120 @28956 has 8 MA's), (139, 29007), (151, 29025), (180, 29073), (216, 29145), (221, 29166),

Gene: Argent26_39 Start: 33125, Stop: 33370, Start Num: 105
Candidate Starts for Argent26_39:
(Start: 105 @33125 has 178 MA's), (Start: 127 @33182 has 3 MA's), (138, 33215), (140, 33221), (170, 33275), (178, 33287),

Gene: Ariel_51 Start: 40408, Stop: 40647, Start Num: 110
Candidate Starts for Ariel_51:

(Start: 110 @40408 has 9 MA's), (Start: 118 @40435 has 1 MA's), (138, 40489), (139, 40492), (173, 40549), (191, 40585),

Gene: Arissanae_57 Start: 38844, Stop: 38572, Start Num: 69
Candidate Starts for Arissanae_57:
(Start: 69 @38844 has 94 MA's), (Start: 100 @38835 has 66 MA's), (124, 38781), (137, 38742), (160, 38694),

Gene: Artu_100 Start: 83547, Stop: 83807, Start Num: 105
Candidate Starts for Artu_100:
(Start: 105 @83547 has 178 MA's), (190, 83736), (202, 83766), (204, 83769),

Gene: Asa16_34 Start: 26607, Stop: 26864, Start Num: 90
Candidate Starts for Asa16_34:
(18, 26370), (19, 26379), (Start: 90 @26607 has 7 MA's), (122, 26655), (177, 26772),

Gene: Ascela_34 Start: 24798, Stop: 25064, Start Num: 87
Candidate Starts for Ascela_34:
(Start: 87 @24798 has 28 MA's), (175, 24981),

Gene: Ashes_31 Start: 22585, Stop: 22851, Start Num: 98
Candidate Starts for Ashes_31:
(Start: 98 @22585 has 21 MA's), (Start: 108 @22600 has 16 MA's), (131, 22663), (136, 22681), (186, 22783),

Gene: Ashton_9 Start: 6093, Stop: 5755, Start Num: 100
Candidate Starts for Ashton_9:
(43, 6165), (Start: 100 @6093 has 66 MA's), (Start: 117 @6054 has 2 MA's), (138, 5982), (148, 5943), (162, 5901), (212, 5802),

Gene: Asriel_36 Start: 31996, Stop: 32241, Start Num: 105
Candidate Starts for Asriel_36:
(Start: 105 @31996 has 178 MA's), (Start: 127 @32053 has 3 MA's), (138, 32086), (140, 32092), (170, 32146), (178, 32158),

Gene: Astartes_9 Start: 6131, Stop: 5775, Start Num: 100
Candidate Starts for Astartes_9:
(Start: 100 @6131 has 66 MA's), (Start: 117 @6092 has 2 MA's), (124, 6077), (148, 5981), (190, 5873), (194, 5864), (211, 5825),

Gene: Atraxi_9 Start: 6096, Stop: 5740, Start Num: 100
Candidate Starts for Atraxi_9:
(Start: 100 @6096 has 66 MA's), (Start: 117 @6057 has 2 MA's), (124, 6042), (194, 5829), (211, 5790),

Gene: Atuin_102 Start: 87057, Stop: 87320, Start Num: 105
Candidate Starts for Atuin_102:
(Start: 105 @87057 has 178 MA's), (190, 87246),

Gene: Audell_6 Start: 4387, Stop: 4647, Start Num: 103
Candidate Starts for Audell_6:
(Start: 103 @4387 has 1 MA's), (137, 4477), (165, 4534),

Gene: AvadaKedavra_30 Start: 27700, Stop: 27969, Start Num: 104

Candidate Starts for AvadaKedavra_30:
(Start: 104 @27700 has 73 MA's), (Start: 120 @27745 has 8 MA's), (173, 27853),

Gene: Ayanochan_59 Start: 38311, Stop: 38039, Start Num: 69
Candidate Starts for Ayanochan_59:
(Start: 69 @38311 has 94 MA's), (Start: 100 @38302 has 66 MA's), (Start: 125 @38245 has 1 MA's), (137, 38209), (156, 38170), (170, 38143), (178, 38131),

Gene: Azrael100_52 Start: 39360, Stop: 39608, Start Num: 105
Candidate Starts for Azrael100_52:
(Start: 105 @39360 has 178 MA's), (135, 39441), (157, 39489), (175, 39522), (178, 39525), (180, 39528), (193, 39561), (211, 39597),

Gene: BAKA_56 Start: 44234, Stop: 44479, Start Num: 105
Candidate Starts for BAKA_56:
(Start: 105 @44234 has 178 MA's), (129, 44297), (138, 44327), (139, 44330), (175, 44390), (178, 44393), (180, 44396),

Gene: BFK20_ORF53 Start: 41569, Stop: 41835, Start Num: 95
Candidate Starts for BFK20_ORF53:
(75, 41539), (89, 41563), (Start: 95 @41569 has 44 MA's), (124, 41629), (138, 41671), (140, 41677), (174, 41737),

Gene: BaboJay_37 Start: 33214, Stop: 33462, Start Num: 102
Candidate Starts for BaboJay_37:
(62, 33145), (64, 33148), (75, 33175), (Start: 102 @33214 has 13 MA's), (Start: 127 @33274 has 3 MA's), (138, 33307), (140, 33313), (170, 33367), (178, 33379),

Gene: Bachita_128 Start: 71997, Stop: 72287, Start Num: 95
Candidate Starts for Bachita_128:
(45, 71889), (51, 71904), (66, 71949), (Start: 95 @71997 has 44 MA's), (Start: 117 @72042 has 2 MA's), (173, 72171),

Gene: Bachome_59 Start: 37766, Stop: 37494, Start Num: 92
Candidate Starts for Bachome_59:
(Start: 92 @37766 has 48 MA's), (Start: 100 @37757 has 66 MA's), (160, 37616),

Gene: BadStone_36 Start: 33127, Stop: 33372, Start Num: 105
Candidate Starts for BadStone_36:
(Start: 105 @33127 has 178 MA's), (Start: 127 @33184 has 3 MA's), (138, 33217), (140, 33223), (165, 33271), (170, 33277), (178, 33289),

Gene: Bagrid_51 Start: 43567, Stop: 43812, Start Num: 105
Candidate Starts for Bagrid_51:
(Start: 105 @43567 has 178 MA's), (129, 43630), (138, 43660), (139, 43663), (175, 43723), (178, 43726), (180, 43729),

Gene: Balomoji_36 Start: 32861, Stop: 33106, Start Num: 105
Candidate Starts for Balomoji_36:
(Start: 105 @32861 has 178 MA's), (Start: 127 @32918 has 3 MA's), (138, 32951), (140, 32957), (165, 33005), (170, 33011), (178, 33023),

Gene: Banquo_62 Start: 38905, Stop: 39129, Start Num: 104

Candidate Starts for Banquo_62:
(Start: 104 @38905 has 73 MA's), (122, 38947), (138, 38992), (141, 39001), (170, 39052), (175, 39061), (192, 39082),

Gene: Bantam_85 Start: 57381, Stop: 57115, Start Num: 92
Candidate Starts for Bantam_85:
(Start: 92 @57381 has 48 MA's), (116, 57333),

Gene: Baoshan_31 Start: 28288, Stop: 28509, Start Num: 120
Candidate Starts for Baoshan_31:
(Start: 104 @28243 has 73 MA's), (Start: 120 @28288 has 8 MA's), (139, 28339), (216, 28477), (221, 28498),

Gene: Barbarian_36 Start: 31996, Stop: 32241, Start Num: 105
Candidate Starts for Barbarian_36:
(Start: 105 @31996 has 178 MA's), (Start: 127 @32053 has 3 MA's), (138, 32086), (140, 32092), (170, 32146), (178, 32158),

Gene: BarnCat_46 Start: 30635, Stop: 30874, Start Num: 106
Candidate Starts for BarnCat_46:
(44, 30518), (53, 30536), (Start: 106 @30635 has 12 MA's), (129, 30692), (137, 30719), (140, 30728),

Gene: Barnstormer_41 Start: 26907, Stop: 27167, Start Num: 100
Candidate Starts for Barnstormer_41:
(33, 26781), (Start: 100 @26907 has 66 MA's),

Gene: Barroma_9 Start: 6089, Stop: 5751, Start Num: 100
Candidate Starts for Barroma_9:
(43, 6161), (Start: 100 @6089 has 66 MA's), (Start: 117 @6050 has 2 MA's), (138, 5978), (148, 5939), (212, 5798),

Gene: Bask21_37 Start: 32313, Stop: 32558, Start Num: 105
Candidate Starts for Bask21_37:
(Start: 105 @32313 has 178 MA's), (Start: 127 @32370 has 3 MA's), (138, 32403), (140, 32409), (170, 32463), (178, 32475),

Gene: Battleship_66 Start: 37873, Stop: 37604, Start Num: 94
Candidate Starts for Battleship_66:
(5, 38317), (12, 38215), (Start: 94 @37873 has 23 MA's), (178, 37696),

Gene: Baudelaire_33 Start: 27825, Stop: 28055, Start Num: 117
Candidate Starts for Baudelaire_33:
(Start: 104 @27789 has 73 MA's), (115, 27816), (Start: 117 @27825 has 2 MA's), (129, 27852), (138, 27882), (151, 27903), (173, 27942), (175, 27945), (178, 27948), (208, 28005), (211, 28014),

Gene: Bazzle_32 Start: 28660, Stop: 28926, Start Num: 104
Candidate Starts for Bazzle_32:
(Start: 104 @28660 has 73 MA's), (Start: 120 @28705 has 8 MA's), (139, 28756), (151, 28774), (180, 28822), (216, 28894), (221, 28915),

Gene: Beaupre_31 Start: 22586, Stop: 22852, Start Num: 98
Candidate Starts for Beaupre_31:

(Start: 98 @22586 has 21 MA's), (Start: 108 @22601 has 16 MA's), (131, 22664), (136, 22682), (186, 22784),

Gene: Becksu_37 Start: 33318, Stop: 33563, Start Num: 105
Candidate Starts for Becksu_37:
(Start: 105 @33318 has 178 MA's), (Start: 127 @33375 has 3 MA's), (138, 33408), (140, 33414), (170, 33468), (178, 33480),

Gene: Beem_52 Start: 44133, Stop: 44378, Start Num: 105
Candidate Starts for Beem_52:
(Start: 105 @44133 has 178 MA's), (129, 44196), (138, 44226), (139, 44229), (175, 44289), (178, 44292), (180, 44295),

Gene: Beemo_58 Start: 38323, Stop: 38051, Start Num: 69
Candidate Starts for Beemo_58:
(Start: 69 @38323 has 94 MA's), (Start: 100 @38314 has 66 MA's), (Start: 125 @38257 has 1 MA's), (137, 38221), (156, 38182), (170, 38155), (178, 38143),

Gene: Belenaria_46 Start: 34231, Stop: 33935, Start Num: 95
Candidate Starts for Belenaria_46:
(Start: 95 @34231 has 44 MA's), (Start: 108 @34213 has 16 MA's), (Start: 110 @34207 has 9 MA's), (157, 34090), (175, 34057), (180, 34051), (207, 33991), (222, 33943),

Gene: Bellis_31 Start: 28787, Stop: 29053, Start Num: 104
Candidate Starts for Bellis_31:
(Start: 104 @28787 has 73 MA's), (Start: 110 @28799 has 9 MA's), (Start: 120 @28832 has 8 MA's),

Gene: Bellris_57 Start: 37989, Stop: 37717, Start Num: 69
Candidate Starts for Bellris_57:
(Start: 69 @37989 has 94 MA's), (Start: 100 @37980 has 66 MA's), (Start: 125 @37923 has 1 MA's), (137, 37887), (160, 37839),

Gene: Bench_39 Start: 32995, Stop: 33240, Start Num: 105
Candidate Starts for Bench_39:
(Start: 105 @32995 has 178 MA's), (Start: 127 @33052 has 3 MA's), (138, 33085), (140, 33091), (170, 33145), (178, 33157),

Gene: Benvolio_55 Start: 37700, Stop: 37428, Start Num: 69
Candidate Starts for Benvolio_55:
(Start: 69 @37700 has 94 MA's), (Start: 100 @37691 has 66 MA's), (Start: 108 @37679 has 16 MA's), (Start: 110 @37673 has 9 MA's), (160, 37550),

Gene: Berrie_34 Start: 25682, Stop: 25942, Start Num: 87
Candidate Starts for Berrie_34:
(18, 25445), (20, 25454), (Start: 87 @25682 has 28 MA's),

Gene: Big4_346 Start: 183627, Stop: 183857, Start Num: 108
Candidate Starts for Big4_346:
(Start: 108 @183627 has 16 MA's), (133, 183699), (206, 183846),

Gene: Big4_20 Start: 8933, Stop: 9163, Start Num: 108
Candidate Starts for Big4_20:
(Start: 108 @8933 has 16 MA's), (133, 9005), (206, 9152),

Gene: Big4_204 Start: 114726, Stop: 114472, Start Num: 105
Candidate Starts for Big4_204:
(72, 114774), (Start: 105 @114726 has 178 MA's),

Gene: BigBubba_38 Start: 32898, Stop: 33143, Start Num: 105
Candidate Starts for BigBubba_38:
(Start: 105 @32898 has 178 MA's), (Start: 127 @32955 has 3 MA's), (138, 32988), (140, 32994), (165, 33042), (170, 33048), (178, 33060),

Gene: BigCheese_32 Start: 28422, Stop: 28688, Start Num: 104
Candidate Starts for BigCheese_32:
(Start: 104 @28422 has 73 MA's), (Start: 120 @28467 has 8 MA's), (139, 28518), (180, 28584), (216, 28656), (221, 28677),

Gene: BilboSwaggins_37 Start: 33135, Stop: 33380, Start Num: 105
Candidate Starts for BilboSwaggins_37:
(Start: 105 @33135 has 178 MA's), (Start: 127 @33192 has 3 MA's), (138, 33225), (140, 33231), (170, 33285), (178, 33297),

Gene: Biozilla_9 Start: 6310, Stop: 5987, Start Num: 100
Candidate Starts for Biozilla_9:
(27, 6478), (32, 6460), (41, 6427), (Start: 100 @6310 has 66 MA's), (122, 6259), (129, 6244), (139, 6196), (178, 6088), (202, 6040), (211, 6022),

Gene: Birdfeeder_9 Start: 6368, Stop: 6045, Start Num: 100
Candidate Starts for Birdfeeder_9:
(Start: 100 @6368 has 66 MA's), (122, 6317), (139, 6254), (202, 6098),

Gene: BlackJade_54 Start: 34939, Stop: 35229, Start Num: 91
Candidate Starts for BlackJade_54:
(Start: 91 @34939 has 3 MA's), (111, 34969), (Start: 117 @34990 has 2 MA's), (124, 35005), (140, 35053), (159, 35089), (165, 35107), (178, 35128), (210, 35203),

Gene: Bluvara_58 Start: 40303, Stop: 40536, Start Num: 109
Candidate Starts for Bluvara_58:
(Start: 93 @40291 has 4 MA's), (109, 40303), (111, 40309), (134, 40375), (157, 40420), (175, 40450),

Gene: BobSwaget_54 Start: 37176, Stop: 36904, Start Num: 69
Candidate Starts for BobSwaget_54:
(Start: 69 @37176 has 94 MA's), (Start: 110 @37149 has 9 MA's), (160, 37026), (178, 36996),

Gene: Bobby_51 Start: 42712, Stop: 42957, Start Num: 105
Candidate Starts for Bobby_51:
(Start: 105 @42712 has 178 MA's), (162, 42844),

Gene: BobbyDazzler_46 Start: 34344, Stop: 34048, Start Num: 95
Candidate Starts for BobbyDazzler_46:
(Start: 95 @34344 has 44 MA's), (Start: 108 @34326 has 16 MA's), (Start: 110 @34320 has 9 MA's), (157, 34203), (175, 34170), (180, 34164), (207, 34104), (222, 34056),

Gene: BobsGarage_32 Start: 28422, Stop: 28688, Start Num: 104
Candidate Starts for BobsGarage_32:

(Start: 104 @28422 has 73 MA's), (Start: 120 @28467 has 8 MA's), (139, 28518), (180, 28584), (216, 28656), (221, 28677),

Gene: Bogg_38 Start: 32564, Stop: 32812, Start Num: 102
Candidate Starts for Bogg_38:
(62, 32495), (64, 32498), (75, 32525), (Start: 102 @32564 has 13 MA's), (Start: 127 @32624 has 3 MA's), (138, 32657), (140, 32663), (170, 32717), (178, 32729),

Gene: BogosyJay_57 Start: 38245, Stop: 37973, Start Num: 69
Candidate Starts for BogosyJay_57:
(Start: 69 @38245 has 94 MA's), (Start: 100 @38236 has 66 MA's), (Start: 125 @38179 has 1 MA's), (137, 38143), (178, 38065),

Gene: Bombitas_49 Start: 43727, Stop: 43975, Start Num: 105
Candidate Starts for Bombitas_49:
(Start: 105 @43727 has 178 MA's), (162, 43859),

Gene: Bonanza_46 Start: 34272, Stop: 33976, Start Num: 95
Candidate Starts for Bonanza_46:
(Start: 95 @34272 has 44 MA's), (Start: 108 @34254 has 16 MA's), (Start: 110 @34248 has 9 MA's), (157, 34131), (175, 34098), (180, 34092), (207, 34032), (222, 33984),

Gene: BooTeria_104 Start: 83660, Stop: 83920, Start Num: 105
Candidate Starts for BooTeria_104:
(Start: 105 @83660 has 178 MA's), (190, 83849), (202, 83879), (204, 83882),

Gene: Boohoo_64 Start: 37667, Stop: 37398, Start Num: 94
Candidate Starts for Boohoo_64:
(5, 38111), (10, 38087), (12, 38009), (Start: 94 @37667 has 23 MA's), (178, 37490), (195, 37451),

Gene: BourbonZero_30 Start: 28780, Stop: 29001, Start Num: 120
Candidate Starts for BourbonZero_30:
(Start: 104 @28735 has 73 MA's), (Start: 110 @28747 has 9 MA's), (Start: 120 @28780 has 8 MA's), (138, 28828),

Gene: Bowtie_58 Start: 37793, Stop: 37521, Start Num: 92
Candidate Starts for Bowtie_58:
(Start: 92 @37793 has 48 MA's), (Start: 100 @37784 has 66 MA's), (178, 37613),

Gene: Bradman_57 Start: 37421, Stop: 37149, Start Num: 92
Candidate Starts for Bradman_57:
(Start: 92 @37421 has 48 MA's), (Start: 108 @37400 has 16 MA's), (Start: 110 @37394 has 9 MA's), (160, 37271), (165, 37259),

Gene: Bradshaw_46 Start: 34298, Stop: 34002, Start Num: 95
Candidate Starts for Bradshaw_46:
(Start: 95 @34298 has 44 MA's), (Start: 108 @34280 has 16 MA's), (Start: 110 @34274 has 9 MA's), (157, 34157), (175, 34124), (180, 34118), (207, 34058), (222, 34010),

Gene: BrainDrainer_31 Start: 27763, Stop: 27981, Start Num: 120
Candidate Starts for BrainDrainer_31:
(Start: 104 @27718 has 73 MA's), (Start: 120 @27763 has 8 MA's), (178, 27877),

Gene: Breezona_32 Start: 28422, Stop: 28688, Start Num: 104
Candidate Starts for Breezona_32:
(Start: 104 @28422 has 73 MA's), (Start: 120 @28467 has 8 MA's), (139, 28518), (180, 28584), (216, 28656), (221, 28677),

Gene: Brewer_37 Start: 33383, Stop: 33628, Start Num: 105
Candidate Starts for Brewer_37:
(Start: 105 @33383 has 178 MA's), (Start: 127 @33440 has 3 MA's), (138, 33473), (140, 33479), (165, 33527), (170, 33533), (178, 33545),

Gene: Bromden_32 Start: 28137, Stop: 28400, Start Num: 104
Candidate Starts for Bromden_32:
(Start: 104 @28137 has 73 MA's), (Start: 120 @28182 has 8 MA's), (173, 28290), (216, 28371),

Gene: BronnyJames_44 Start: 38020, Stop: 38232, Start Num: 118
Candidate Starts for BronnyJames_44:
(Start: 110 @37993 has 9 MA's), (Start: 118 @38020 has 1 MA's), (138, 38074), (139, 38077), (173, 38134), (191, 38170),

Gene: Bruin_37 Start: 33155, Stop: 33400, Start Num: 105
Candidate Starts for Bruin_37:
(Start: 105 @33155 has 178 MA's), (Start: 127 @33212 has 3 MA's), (138, 33245), (140, 33251), (170, 33305), (178, 33317),

Gene: BrutonGaster_100 Start: 65316, Stop: 65621, Start Num: 85
Candidate Starts for BrutonGaster_100:
(47, 65226), (Start: 85 @65316 has 2 MA's), (Start: 95 @65328 has 44 MA's), (171, 65496), (209, 65574),

Gene: Bryce_45 Start: 34052, Stop: 33756, Start Num: 95
Candidate Starts for Bryce_45:
(Start: 95 @34052 has 44 MA's), (Start: 108 @34034 has 16 MA's), (Start: 110 @34028 has 9 MA's), (157, 33911), (175, 33878), (180, 33872), (207, 33812), (222, 33764),

Gene: Buck_36 Start: 33091, Stop: 33336, Start Num: 105
Candidate Starts for Buck_36:
(Start: 105 @33091 has 178 MA's), (Start: 127 @33148 has 3 MA's), (138, 33181), (140, 33187), (170, 33241), (178, 33253),

Gene: Bud_57 Start: 37340, Stop: 37068, Start Num: 92
Candidate Starts for Bud_57:
(Start: 92 @37340 has 48 MA's), (Start: 100 @37331 has 66 MA's), (178, 37160),

Gene: Budgie_40 Start: 32739, Stop: 32927, Start Num: 127
Candidate Starts for Budgie_40:
(Start: 105 @32682 has 178 MA's), (Start: 127 @32739 has 3 MA's), (140, 32778), (170, 32832), (173, 32838), (183, 32853),

Gene: BugsBunny_35 Start: 32724, Stop: 32969, Start Num: 105
Candidate Starts for BugsBunny_35:
(Start: 105 @32724 has 178 MA's), (Start: 127 @32781 has 3 MA's), (138, 32814), (140, 32820), (170, 32874), (178, 32886),

Gene: Bugsy_60 Start: 38826, Stop: 38554, Start Num: 69
Candidate Starts for Bugsy_60:
(17, 39066), (22, 39027), (Start: 69 @38826 has 94 MA's), (Start: 100 @38817 has 66 MA's), (Start: 108 @38805 has 16 MA's), (Start: 110 @38799 has 9 MA's), (160, 38676),

Gene: C3_56 Start: 38705, Stop: 38394, Start Num: 63
Candidate Starts for C3_56:
(Start: 63 @38705 has 4 MA's), (Start: 92 @38666 has 48 MA's), (Start: 100 @38657 has 66 MA's), (137, 38564), (160, 38516), (178, 38486),

Gene: C3PO_50 Start: 43697, Stop: 43407, Start Num: 100
Candidate Starts for C3PO_50:
(Start: 100 @43697 has 66 MA's), (124, 43634), (165, 43520), (173, 43508),

Gene: Cactus_38 Start: 32346, Stop: 32591, Start Num: 105
Candidate Starts for Cactus_38:
(Start: 105 @32346 has 178 MA's), (Start: 127 @32403 has 3 MA's), (138, 32436), (140, 32442), (170, 32496), (178, 32508),

Gene: Calm_30 Start: 27704, Stop: 27973, Start Num: 104
Candidate Starts for Calm_30:
(Start: 104 @27704 has 73 MA's), (Start: 120 @27749 has 8 MA's), (173, 27857),

Gene: Candle_40 Start: 36392, Stop: 36637, Start Num: 96
Candidate Starts for Candle_40:
(70, 36350), (Start: 96 @36392 has 9 MA's), (Start: 110 @36413 has 9 MA's), (Start: 117 @36434 has 2 MA's), (129, 36461), (176, 36560), (179, 36563), (181, 36566), (211, 36617),

Gene: Cappuccino_31 Start: 22494, Stop: 22760, Start Num: 98
Candidate Starts for Cappuccino_31:
(Start: 98 @22494 has 21 MA's), (Start: 105 @22503 has 178 MA's), (Start: 108 @22509 has 16 MA's), (131, 22572),

Gene: Caraxes_58 Start: 36944, Stop: 36672, Start Num: 69
Candidate Starts for Caraxes_58:
(Start: 69 @36944 has 94 MA's), (Start: 110 @36917 has 9 MA's), (160, 36794), (165, 36782),

Gene: CardboardBox_3 Start: 977, Stop: 1246, Start Num: 101
Candidate Starts for CardboardBox_3:
(Start: 101 @977 has 1 MA's),

Gene: Cardigan_134 Start: 76224, Stop: 76523, Start Num: 92
Candidate Starts for Cardigan_134:
(Start: 92 @76224 has 48 MA's), (122, 76284), (137, 76326), (143, 76335), (157, 76371), (173, 76401), (193, 76431),

Gene: Caron_44 Start: 27999, Stop: 28262, Start Num: 100
Candidate Starts for Caron_44:
(36, 27885), (38, 27888), (Start: 100 @27999 has 66 MA's), (122, 28053),

Gene: Cassia_34 Start: 25274, Stop: 25540, Start Num: 87
Candidate Starts for Cassia_34:
(Start: 87 @25274 has 28 MA's), (175, 25457),

Gene: Cassita_54 Start: 33514, Stop: 33735, Start Num: 106
Candidate Starts for Cassita_54:
(25, 33349), (34, 33376), (35, 33379), (Start: 106 @33514 has 12 MA's), (140, 33607),

Gene: Catalina_59 Start: 38226, Stop: 37954, Start Num: 69
Candidate Starts for Catalina_59:
(Start: 69 @38226 has 94 MA's), (Start: 100 @38217 has 66 MA's), (Start: 125 @38160 has 1 MA's), (137, 38124), (156, 38085), (170, 38058), (178, 38046),

Gene: Catfish_63 Start: 40933, Stop: 41151, Start Num: 106
Candidate Starts for Catfish_63:
(Start: 106 @40933 has 12 MA's), (Start: 118 @40966 has 1 MA's), (157, 41056),

Gene: Cece_195 Start: 119232, Stop: 118984, Start Num: 105
Candidate Starts for Cece_195:
(71, 119280), (78, 119265), (Start: 105 @119232 has 178 MA's), (154, 119118), (165, 119097), (189, 119052),

Gene: Celestialunch_57 Start: 38031, Stop: 37759, Start Num: 69
Candidate Starts for Celestialunch_57:
(Start: 69 @38031 has 94 MA's), (Start: 100 @38022 has 66 MA's), (137, 37929), (160, 37881), (170, 37863), (178, 37851), (197, 37806),

Gene: Cen1621_38 Start: 25188, Stop: 25475, Start Num: 79
Candidate Starts for Cen1621_38:
(Start: 79 @25188 has 3 MA's), (Start: 108 @25215 has 16 MA's), (163, 25371), (175, 25395),

Gene: ChamoyPickle_3 Start: 977, Stop: 1246, Start Num: 101
Candidate Starts for ChamoyPickle_3:
(Start: 101 @977 has 1 MA's),

Gene: Charm_56 Start: 38090, Stop: 37818, Start Num: 69
Candidate Starts for Charm_56:
(Start: 69 @38090 has 94 MA's), (Start: 125 @38024 has 1 MA's), (137, 37988), (170, 37922), (178, 37910), (183, 37901),

Gene: Chaser_30 Start: 27536, Stop: 27799, Start Num: 104
Candidate Starts for Chaser_30:
(Start: 104 @27536 has 73 MA's), (Start: 120 @27581 has 8 MA's), (178, 27695),

Gene: Che12_59 Start: 37385, Stop: 37113, Start Num: 69
Candidate Starts for Che12_59:
(Start: 69 @37385 has 94 MA's), (Start: 110 @37358 has 9 MA's), (124, 37322), (140, 37274), (160, 37235), (165, 37223), (178, 37205),

Gene: CherryTomatoes_78 Start: 28836, Stop: 29102, Start Num: 105
Candidate Starts for CherryTomatoes_78:
(Start: 105 @28836 has 178 MA's), (Start: 120 @28884 has 8 MA's), (178, 29004), (208, 29064),

Gene: ChipMunk_60 Start: 40026, Stop: 39754, Start Num: 69
Candidate Starts for ChipMunk_60:

(Start: 69 @40026 has 94 MA's), (Start: 100 @40017 has 66 MA's), (Start: 108 @40005 has 16 MA's), (Start: 110 @39999 has 9 MA's), (160, 39876),

Gene: ChipsNGuac_3 Start: 977, Stop: 1246, Start Num: 101
Candidate Starts for ChipsNGuac_3:
(Start: 101 @977 has 1 MA's),

Gene: ChosenOne_37 Start: 32343, Stop: 32588, Start Num: 105
Candidate Starts for ChosenOne_37:
(Start: 105 @32343 has 178 MA's), (Start: 127 @32400 has 3 MA's), (138, 32433), (140, 32439), (170, 32493), (178, 32505),

Gene: ChotaBhai_37 Start: 32381, Stop: 32626, Start Num: 105
Candidate Starts for ChotaBhai_37:
(Start: 105 @32381 has 178 MA's), (Start: 127 @32438 has 3 MA's), (138, 32471), (140, 32477), (165, 32525), (170, 32531), (178, 32543),

Gene: ChutneyChips_30 Start: 27761, Stop: 27979, Start Num: 120
Candidate Starts for ChutneyChips_30:
(Start: 104 @27716 has 73 MA's), (Start: 120 @27761 has 8 MA's), (178, 27875),

Gene: CicholasNage_30 Start: 27692, Stop: 27961, Start Num: 104
Candidate Starts for CicholasNage_30:
(Start: 104 @27692 has 73 MA's), (Start: 120 @27737 has 8 MA's), (173, 27845),

Gene: Cjw1_37 Start: 33895, Stop: 34140, Start Num: 105
Candidate Starts for Cjw1_37:
(Start: 105 @33895 has 178 MA's), (Start: 127 @33952 has 3 MA's), (138, 33985), (140, 33991), (170, 34045), (178, 34057),

Gene: Claus_32 Start: 28444, Stop: 28665, Start Num: 120
Candidate Starts for Claus_32:
(Start: 104 @28399 has 73 MA's), (Start: 120 @28444 has 8 MA's), (139, 28495), (151, 28513), (216, 28633), (221, 28654),

Gene: Clautastrophe_31 Start: 28784, Stop: 29050, Start Num: 104
Candidate Starts for Clautastrophe_31:
(Start: 104 @28784 has 73 MA's), (Start: 110 @28796 has 9 MA's), (Start: 120 @28829 has 8 MA's),

Gene: CliffHanger_37 Start: 24318, Stop: 24548, Start Num: 108
Candidate Starts for CliffHanger_37:
(Start: 108 @24318 has 16 MA's), (124, 24363), (155, 24441),

Gene: ClubL_125 Start: 70565, Stop: 70858, Start Num: 92
Candidate Starts for ClubL_125:
(Start: 92 @70565 has 48 MA's), (Start: 117 @70613 has 2 MA's), (173, 70742),

Gene: CogOmlette_57 Start: 37986, Stop: 37714, Start Num: 69
Candidate Starts for CogOmlette_57:
(Start: 69 @37986 has 94 MA's), (Start: 100 @37977 has 66 MA's), (Start: 125 @37920 has 1 MA's), (137, 37884), (160, 37836),

Gene: Command613_38 Start: 33402, Stop: 33647, Start Num: 105

Candidate Starts for Command613_38:
(Start: 105 @33402 has 178 MA's), (Start: 127 @33459 has 3 MA's), (138, 33492), (140, 33498), (170, 33552), (178, 33564),

Gene: Community_34 Start: 26806, Stop: 27072, Start Num: 87
Candidate Starts for Community_34:
(18, 26569), (20, 26578), (Start: 87 @26806 has 28 MA's),

Gene: Conditioner_9 Start: 6356, Stop: 6033, Start Num: 100
Candidate Starts for Conditioner_9:
(59, 6422), (Start: 100 @6356 has 66 MA's), (122, 6305), (133, 6260), (139, 6242), (202, 6086),

Gene: Conquerage_58 Start: 38297, Stop: 38025, Start Num: 69
Candidate Starts for Conquerage_58:
(Start: 69 @38297 has 94 MA's), (Start: 100 @38288 has 66 MA's), (Start: 125 @38231 has 1 MA's), (137, 38195), (156, 38156), (170, 38129), (178, 38117),

Gene: Constella_44 Start: 40270, Stop: 40518, Start Num: 105
Candidate Starts for Constella_44:
(Start: 105 @40270 has 178 MA's), (Start: 118 @40309 has 1 MA's), (138, 40363), (139, 40366), (173, 40423), (191, 40459), (216, 40507),

Gene: Contagion_36 Start: 32639, Stop: 32884, Start Num: 105
Candidate Starts for Contagion_36:
(Start: 105 @32639 has 178 MA's), (Start: 127 @32696 has 3 MA's), (138, 32729), (140, 32735), (165, 32783), (170, 32789), (178, 32801),

Gene: Cookies_37 Start: 33004, Stop: 33249, Start Num: 105
Candidate Starts for Cookies_37:
(Start: 105 @33004 has 178 MA's), (Start: 127 @33061 has 3 MA's), (138, 33094), (140, 33100), (165, 33148), (170, 33154), (178, 33166),

Gene: Corn21_9 Start: 6384, Stop: 6061, Start Num: 100
Candidate Starts for Corn21_9:
(59, 6450), (Start: 100 @6384 has 66 MA's), (122, 6333), (133, 6288), (139, 6270), (177, 6165), (202, 6114),

Gene: CosmicSans_46 Start: 34298, Stop: 34002, Start Num: 95
Candidate Starts for CosmicSans_46:
(Start: 95 @34298 has 44 MA's), (Start: 108 @34280 has 16 MA's), (Start: 110 @34274 has 9 MA's), (157, 34157), (175, 34124), (180, 34118), (207, 34058), (222, 34010),

Gene: Cosmo_53 Start: 39361, Stop: 39609, Start Num: 105
Candidate Starts for Cosmo_53:
(Start: 105 @39361 has 178 MA's), (135, 39442), (157, 39490), (175, 39523), (178, 39526), (180, 39529), (193, 39562), (211, 39598),

Gene: Count_87 Start: 57913, Stop: 58173, Start Num: 99
Candidate Starts for Count_87:
(Start: 99 @57913 has 1 MA's),

Gene: Courthouse_51 Start: 40812, Stop: 41051, Start Num: 110
Candidate Starts for Courthouse_51:

(Start: 110 @40812 has 9 MA's), (Start: 118 @40839 has 1 MA's), (138, 40893), (139, 40896), (173, 40953), (191, 40989),

Gene: Crewmate_37 Start: 25536, Stop: 25778, Start Num: 88
Candidate Starts for Crewmate_37:
(18, 25278), (23, 25314), (Start: 88 @25536 has 5 MA's),

Gene: Crossroads_32 Start: 28422, Stop: 28688, Start Num: 104
Candidate Starts for Crossroads_32:
(Start: 104 @28422 has 73 MA's), (Start: 120 @28467 has 8 MA's), (139, 28518), (180, 28584), (216, 28656), (221, 28677),

Gene: Crucio_58 Start: 38443, Stop: 38171, Start Num: 69
Candidate Starts for Crucio_58:
(Start: 69 @38443 has 94 MA's), (Start: 100 @38434 has 66 MA's), (Start: 108 @38422 has 16 MA's), (Start: 110 @38416 has 9 MA's), (160, 38293),

Gene: Cruella_50 Start: 43697, Stop: 43407, Start Num: 100
Candidate Starts for Cruella_50:
(Start: 100 @43697 has 66 MA's), (124, 43634), (165, 43520), (173, 43508),

Gene: CrunchyBoi_10 Start: 6445, Stop: 6122, Start Num: 100
Candidate Starts for CrunchyBoi_10:
(27, 6613), (41, 6562), (Start: 100 @6445 has 66 MA's), (122, 6394), (129, 6379), (139, 6331), (178, 6223), (202, 6175), (211, 6157),

Gene: CrystalP_37 Start: 33135, Stop: 33380, Start Num: 105
Candidate Starts for CrystalP_37:
(Start: 105 @33135 has 178 MA's), (Start: 127 @33192 has 3 MA's), (138, 33225), (140, 33231), (170, 33285), (178, 33297),

Gene: Cucurbita_126 Start: 72310, Stop: 72600, Start Num: 95
Candidate Starts for Cucurbita_126:
(45, 72202), (51, 72217), (66, 72262), (Start: 95 @72310 has 44 MA's), (Start: 117 @72355 has 2 MA's), (173, 72484),

Gene: Culver_125 Start: 70325, Stop: 70618, Start Num: 92
Candidate Starts for Culver_125:
(Start: 92 @70325 has 48 MA's), (Start: 117 @70373 has 2 MA's), (173, 70502),

Gene: Cyan_33 Start: 24752, Stop: 24994, Start Num: 87
Candidate Starts for Cyan_33:
(15, 24494), (Start: 87 @24752 has 28 MA's), (175, 24911),

Gene: Czyszczon1_38 Start: 32880, Stop: 33125, Start Num: 105
Candidate Starts for Czyszczon1_38:
(Start: 105 @32880 has 178 MA's), (Start: 127 @32937 has 3 MA's), (138, 32970), (140, 32976), (170, 33030), (178, 33042),

Gene: D29_56 Start: 38269, Stop: 37997, Start Num: 69
Candidate Starts for D29_56:
(Start: 69 @38269 has 94 MA's), (Start: 100 @38260 has 66 MA's), (137, 38167), (178, 38089), (201, 38035),

Gene: D32_59 Start: 38269, Stop: 37997, Start Num: 69
Candidate Starts for D32_59:
(Start: 69 @38269 has 94 MA's), (Start: 100 @38260 has 66 MA's), (137, 38167), (178, 38089), (201, 38035),

Gene: DBQu4n_60 Start: 38250, Stop: 37978, Start Num: 69
Candidate Starts for DBQu4n_60:
(Start: 69 @38250 has 94 MA's), (Start: 100 @38241 has 66 MA's), (137, 38148), (178, 38070), (201, 38016),

Gene: DHan_32 Start: 28380, Stop: 28601, Start Num: 120
Candidate Starts for DHan_32:
(Start: 104 @28335 has 73 MA's), (Start: 120 @28380 has 8 MA's), (139, 28431), (151, 28449), (216, 28569), (221, 28590),

Gene: DS6A_74 Start: 48826, Stop: 49065, Start Num: 106
Candidate Starts for DS6A_74:
(24, 48631), (Start: 106 @48826 has 12 MA's), (Start: 120 @48868 has 8 MA's), (133, 48901), (175, 48985),

Gene: Daddyjeff_52 Start: 34278, Stop: 34511, Start Num: 102
Candidate Starts for Daddyjeff_52:
(Start: 102 @34278 has 13 MA's), (157, 34413),

Gene: Daikon_36 Start: 32873, Stop: 33118, Start Num: 105
Candidate Starts for Daikon_36:
(Start: 105 @32873 has 178 MA's), (Start: 127 @32930 has 3 MA's), (138, 32963), (140, 32969), (165, 33017), (170, 33023), (178, 33035),

Gene: Dallas_54 Start: 43667, Stop: 43912, Start Num: 105
Candidate Starts for Dallas_54:
(Start: 105 @43667 has 178 MA's), (129, 43730), (138, 43760), (139, 43763), (175, 43823), (178, 43826), (180, 43829),

Gene: Dalmatian_59 Start: 38649, Stop: 38377, Start Num: 69
Candidate Starts for Dalmatian_59:
(Start: 69 @38649 has 94 MA's), (Start: 100 @38640 has 66 MA's), (Start: 108 @38628 has 16 MA's), (Start: 110 @38622 has 9 MA's), (160, 38499), (178, 38469),

Gene: DanBing_31 Start: 28284, Stop: 28505, Start Num: 120
Candidate Starts for DanBing_31:
(Start: 104 @28239 has 73 MA's), (Start: 120 @28284 has 8 MA's), (139, 28335), (216, 28473), (221, 28494),

Gene: Dardanus_57 Start: 37159, Stop: 37398, Start Num: 104
Candidate Starts for Dardanus_57:
(45, 37051), (Start: 104 @37159 has 73 MA's), (122, 37201), (140, 37252), (141, 37255), (170, 37306), (175, 37315), (192, 37336),

Gene: Daredevil_75 Start: 52964, Stop: 52707, Start Num: 92
Candidate Starts for Daredevil_75:

(65, 53015), (70, 53000), (74, 52991), (Start: 76 @52988 has 1 MA's), (Start: 92 @52964 has 48 MA's), (175, 52793),

Gene: Darrell_60 Start: 38922, Stop: 38650, Start Num: 69
Candidate Starts for Darrell_60:
(Start: 69 @38922 has 94 MA's), (Start: 100 @38913 has 66 MA's), (Start: 125 @38856 has 1 MA's), (137, 38820), (160, 38772), (184, 38730),

Gene: DarthPhader_54 Start: 39183, Stop: 38911, Start Num: 92
Candidate Starts for DarthPhader_54:
(Start: 92 @39183 has 48 MA's), (Start: 100 @39174 has 66 MA's), (137, 39081), (160, 39033), (173, 39009), (178, 39003),

Gene: Darwin_54 Start: 43178, Stop: 42882, Start Num: 100
Candidate Starts for Darwin_54:
(Start: 100 @43178 has 66 MA's), (124, 43115), (165, 43001), (173, 42989), (189, 42959), (190, 42956), (219, 42887),

Gene: Dashyla_9 Start: 6362, Stop: 6042, Start Num: 100
Candidate Starts for Dashyla_9:
(52, 6452), (Start: 100 @6362 has 66 MA's), (122, 6311), (129, 6296), (139, 6248), (190, 6107),

Gene: DatBoi_82 Start: 57093, Stop: 56827, Start Num: 92
Candidate Starts for DatBoi_82:
(73, 57123), (75, 57120), (Start: 92 @57093 has 48 MA's),

Gene: DekHockey33_65 Start: 37959, Stop: 37690, Start Num: 94
Candidate Starts for DekHockey33_65:
(5, 38403), (12, 38301), (Start: 94 @37959 has 23 MA's), (178, 37782),

Gene: Dignity_60 Start: 38849, Stop: 38577, Start Num: 69
Candidate Starts for Dignity_60:
(Start: 69 @38849 has 94 MA's), (Start: 100 @38840 has 66 MA's), (Start: 108 @38828 has 16 MA's), (Start: 110 @38822 has 9 MA's), (160, 38699),

Gene: Dinger_45 Start: 34431, Stop: 34135, Start Num: 95
Candidate Starts for Dinger_45:
(Start: 95 @34431 has 44 MA's), (Start: 108 @34413 has 16 MA's), (Start: 110 @34407 has 9 MA's), (157, 34290), (175, 34257), (180, 34251), (207, 34191), (222, 34143),

Gene: DinoDaryn_63 Start: 39006, Stop: 39230, Start Num: 104
Candidate Starts for DinoDaryn_63:
(Start: 104 @39006 has 73 MA's), (122, 39048), (138, 39093), (141, 39102), (170, 39153), (175, 39162), (192, 39183),

Gene: DirkDirk_30 Start: 27718, Stop: 27942, Start Num: 120
Candidate Starts for DirkDirk_30:
(Start: 104 @27673 has 73 MA's), (Start: 120 @27718 has 8 MA's), (173, 27826),

Gene: Divya_49 Start: 34038, Stop: 34328, Start Num: 91
Candidate Starts for Divya_49:
(Start: 91 @34038 has 3 MA's), (Start: 117 @34089 has 2 MA's), (124, 34104), (170, 34212), (178, 34227), (210, 34302),

Gene: DmpstrDiver_53 Start: 43660, Stop: 43905, Start Num: 105
Candidate Starts for DmpstrDiver_53:
(Start: 105 @43660 has 178 MA's), (129, 43723), (138, 43753), (139, 43756), (175, 43816), (178, 43819), (180, 43822),

Gene: DoctorDiddles_37 Start: 32297, Stop: 32542, Start Num: 105
Candidate Starts for DoctorDiddles_37:
(Start: 105 @32297 has 178 MA's), (Start: 127 @32354 has 3 MA's), (138, 32387), (140, 32393), (165, 32441), (170, 32447), (178, 32459),

Gene: Dodo_371 Start: 185243, Stop: 185473, Start Num: 108
Candidate Starts for Dodo_371:
(Start: 108 @185243 has 16 MA's), (133, 185315), (154, 185357), (197, 185444), (206, 185462),

Gene: Dodo_218 Start: 118119, Stop: 117865, Start Num: 105
Candidate Starts for Dodo_218:
(Start: 105 @118119 has 178 MA's), (153, 118005), (165, 117978), (189, 117933),

Gene: Dodo_21 Start: 7043, Stop: 7273, Start Num: 108
Candidate Starts for Dodo_21:
(Start: 108 @7043 has 16 MA's), (133, 7115), (154, 7157), (197, 7244), (206, 7262),

Gene: Donkey_31 Start: 22496, Stop: 22762, Start Num: 98
Candidate Starts for Donkey_31:
(Start: 98 @22496 has 21 MA's), (Start: 105 @22505 has 178 MA's), (Start: 108 @22511 has 16 MA's), (131, 22574),

Gene: Douge_30 Start: 27474, Stop: 27737, Start Num: 104
Candidate Starts for Douge_30:
(Start: 104 @27474 has 73 MA's), (Start: 120 @27519 has 8 MA's), (138, 27567), (178, 27633),

Gene: Douzhi_30 Start: 27624, Stop: 27842, Start Num: 120
Candidate Starts for Douzhi_30:
(Start: 104 @27579 has 73 MA's), (Start: 120 @27624 has 8 MA's), (178, 27738),

Gene: Dove_49 Start: 43194, Stop: 43442, Start Num: 105
Candidate Starts for Dove_49:
(Start: 105 @43194 has 178 MA's), (Start: 118 @43233 has 1 MA's), (138, 43287), (139, 43290), (173, 43347), (191, 43383), (216, 43431),

Gene: DrDrey_38 Start: 33627, Stop: 33872, Start Num: 105
Candidate Starts for DrDrey_38:
(Start: 105 @33627 has 178 MA's), (Start: 127 @33684 has 3 MA's), (138, 33717), (140, 33723), (170, 33777), (178, 33789),

Gene: DrManhattan_32 Start: 23095, Stop: 23340, Start Num: 90
Candidate Starts for DrManhattan_32:
(11, 22726), (18, 22840), (23, 22876), (Start: 90 @23095 has 7 MA's),

Gene: DrSeegs_32 Start: 28422, Stop: 28688, Start Num: 104
Candidate Starts for DrSeegs_32:

(Start: 104 @28422 has 73 MA's), (Start: 120 @28467 has 8 MA's), (139, 28518), (180, 28584), (216, 28656), (221, 28677),

Gene: DrSierra_32 Start: 23583, Stop: 23849, Start Num: 87
Candidate Starts for DrSierra_32:
(18, 23325), (23, 23361), (50, 23499), (Start: 87 @23583 has 28 MA's), (175, 23766),

Gene: DreamTeam1_56 Start: 37922, Stop: 37650, Start Num: 69
Candidate Starts for DreamTeam1_56:
(Start: 69 @37922 has 94 MA's), (Start: 125 @37856 has 1 MA's), (137, 37820), (170, 37754), (178, 37742), (183, 37733),

Gene: DudeLittle_57 Start: 38415, Stop: 38143, Start Num: 69
Candidate Starts for DudeLittle_57:
(Start: 69 @38415 has 94 MA's), (Start: 100 @38406 has 66 MA's), (Start: 108 @38394 has 16 MA's), (Start: 110 @38388 has 9 MA's), (160, 38265), (178, 38235),

Gene: Duke13_55 Start: 43999, Stop: 44247, Start Num: 105
Candidate Starts for Duke13_55:
(Start: 105 @43999 has 178 MA's), (162, 44131),

Gene: Dumbo_37 Start: 32602, Stop: 32847, Start Num: 105
Candidate Starts for Dumbo_37:
(Start: 105 @32602 has 178 MA's), (Start: 127 @32659 has 3 MA's), (138, 32692), (140, 32698), (170, 32752), (178, 32764),

Gene: DumpQuist_9 Start: 6359, Stop: 6036, Start Num: 100
Candidate Starts for DumpQuist_9:
(Start: 100 @6359 has 66 MA's), (122, 6308), (133, 6263), (139, 6245), (177, 6140), (202, 6089),

Gene: DuncansLeg_31 Start: 28758, Stop: 29024, Start Num: 104
Candidate Starts for DuncansLeg_31:
(Start: 104 @28758 has 73 MA's), (Start: 110 @28770 has 9 MA's), (Start: 120 @28803 has 8 MA's), (138, 28851),

Gene: DunneganBoMo_97 Start: 82929, Stop: 83189, Start Num: 105
Candidate Starts for DunneganBoMo_97:
(Start: 105 @82929 has 178 MA's), (190, 83118), (202, 83148), (204, 83151),

Gene: Duplo_60 Start: 38306, Stop: 38034, Start Num: 69
Candidate Starts for Duplo_60:
(Start: 69 @38306 has 94 MA's), (Start: 100 @38297 has 66 MA's), (137, 38204), (178, 38126), (201, 38072),

Gene: Dusk_36 Start: 32787, Stop: 33032, Start Num: 105
Candidate Starts for Dusk_36:
(Start: 105 @32787 has 178 MA's), (Start: 127 @32844 has 3 MA's), (138, 32877), (140, 32883), (165, 32931), (170, 32937), (178, 32949),

Gene: Dusty_122 Start: 70537, Stop: 70830, Start Num: 92
Candidate Starts for Dusty_122:
(Start: 92 @70537 has 48 MA's), (Start: 117 @70585 has 2 MA's), (173, 70714),

Gene: DyoEdafos_31 Start: 27675, Stop: 27938, Start Num: 104
Candidate Starts for DyoEdafos_31:
(Start: 104 @27675 has 73 MA's), (Start: 120 @27720 has 8 MA's), (178, 27834),

Gene: EagleEye_60 Start: 38143, Stop: 37871, Start Num: 92
Candidate Starts for EagleEye_60:
(53, 38212), (Start: 92 @38143 has 48 MA's), (Start: 95 @38140 has 44 MA's), (Start: 100 @38134 has 66 MA's), (137, 38041), (157, 37999), (160, 37993), (178, 37963),

Gene: Easy2Say_39 Start: 34385, Stop: 34630, Start Num: 105
Candidate Starts for Easy2Say_39:
(Start: 105 @34385 has 178 MA's), (Start: 127 @34442 has 3 MA's), (138, 34475), (140, 34481), (170, 34535), (178, 34547),

Gene: Ebony_57 Start: 37357, Stop: 37085, Start Num: 92
Candidate Starts for Ebony_57:
(Start: 92 @37357 has 48 MA's), (Start: 100 @37348 has 66 MA's), (178, 37177),

Gene: Echild_58 Start: 37724, Stop: 37452, Start Num: 69
Candidate Starts for Echild_58:
(Start: 69 @37724 has 94 MA's), (Start: 100 @37715 has 66 MA's), (Start: 108 @37703 has 16 MA's), (Start: 110 @37697 has 9 MA's), (160, 37574),

Gene: EdogawaKiddo_56 Start: 38208, Stop: 38002, Start Num: 125
Candidate Starts for EdogawaKiddo_56:
(Start: 69 @38274 has 94 MA's), (Start: 100 @38265 has 66 MA's), (Start: 125 @38208 has 1 MA's), (137, 38172), (156, 38133), (170, 38106), (178, 38094),

Gene: Eevee_51 Start: 37090, Stop: 37338, Start Num: 102
Candidate Starts for Eevee_51:
(Start: 102 @37090 has 13 MA's), (140, 37189), (142, 37195), (173, 37249), (175, 37252), (180, 37258), (214, 37327),

Gene: Eidsmoe_58 Start: 38289, Stop: 38017, Start Num: 69
Candidate Starts for Eidsmoe_58:
(Start: 69 @38289 has 94 MA's), (Start: 100 @38280 has 66 MA's), (Start: 125 @38223 has 1 MA's), (137, 38187), (156, 38148), (170, 38121), (178, 38109),

Gene: Ejimix_52 Start: 44918, Stop: 45163, Start Num: 105
Candidate Starts for Ejimix_52:
(Start: 105 @44918 has 178 MA's), (129, 44981), (138, 45011), (139, 45014), (175, 45074), (178, 45077), (180, 45080),

Gene: Elephantoon_57 Start: 37664, Stop: 37392, Start Num: 69
Candidate Starts for Elephantoon_57:
(Start: 69 @37664 has 94 MA's), (Start: 100 @37655 has 66 MA's), (Start: 125 @37598 has 1 MA's), (137, 37562), (156, 37523), (170, 37496), (178, 37484),

Gene: Elezi_34 Start: 26623, Stop: 26880, Start Num: 90
Candidate Starts for Elezi_34:
(18, 26386), (19, 26395), (Start: 90 @26623 has 7 MA's), (122, 26671), (177, 26788),

Gene: Elite2014_36 Start: 32342, Stop: 32587, Start Num: 105

Candidate Starts for Elite2014_36:
(Start: 105 @32342 has 178 MA's), (Start: 127 @32399 has 3 MA's), (138, 32432), (140, 32438), (170, 32492), (178, 32504),

Gene: Ellewin_99 Start: 82340, Stop: 82600, Start Num: 105
Candidate Starts for Ellewin_99:
(Start: 105 @82340 has 178 MA's), (190, 82529), (202, 82559), (204, 82562),

Gene: Ellson_31 Start: 28745, Stop: 29011, Start Num: 104
Candidate Starts for Ellson_31:
(Start: 104 @28745 has 73 MA's), (Start: 110 @28757 has 9 MA's), (Start: 120 @28790 has 8 MA's), (138, 28838),

Gene: Elph10_38 Start: 32605, Stop: 32850, Start Num: 105
Candidate Starts for Elph10_38:
(Start: 105 @32605 has 178 MA's), (Start: 127 @32662 has 3 MA's), (138, 32695), (140, 32701), (170, 32755), (178, 32767),

Gene: EmiRose_45 Start: 36642, Stop: 36902, Start Num: 98
Candidate Starts for EmiRose_45:
(Start: 98 @36642 has 21 MA's), (149, 36756), (152, 36765), (178, 36816), (180, 36819),

Gene: Emmetator_100 Start: 82884, Stop: 83144, Start Num: 105
Candidate Starts for Emmetator_100:
(Start: 105 @82884 has 178 MA's), (190, 83073), (202, 83103), (204, 83106),

Gene: Emmina_38 Start: 32963, Stop: 33208, Start Num: 105
Candidate Starts for Emmina_38:
(Start: 105 @32963 has 178 MA's), (Start: 127 @33020 has 3 MA's), (138, 33053), (140, 33059), (170, 33113), (178, 33125),

Gene: EmyBug_57 Start: 38291, Stop: 38019, Start Num: 69
Candidate Starts for EmyBug_57:
(Start: 69 @38291 has 94 MA's), (Start: 100 @38282 has 66 MA's), (Start: 125 @38225 has 1 MA's), (137, 38189), (156, 38150), (170, 38123), (178, 38111),

Gene: Enceladus_30 Start: 27674, Stop: 27943, Start Num: 104
Candidate Starts for Enceladus_30:
(Start: 104 @27674 has 73 MA's), (Start: 120 @27719 has 8 MA's), (173, 27827),

Gene: Engineer_127 Start: 71970, Stop: 72260, Start Num: 95
Candidate Starts for Engineer_127:
(45, 71862), (51, 71877), (66, 71922), (Start: 95 @71970 has 44 MA's), (Start: 117 @72015 has 2 MA's), (173, 72144),

Gene: EniyanLRS_50 Start: 39059, Stop: 39307, Start Num: 105
Candidate Starts for EniyanLRS_50:
(Start: 105 @39059 has 178 MA's), (135, 39140), (157, 39188), (175, 39221), (178, 39224), (180, 39227), (193, 39260), (211, 39296),

Gene: Epsocamisio_61 Start: 37202, Stop: 36933, Start Num: 94
Candidate Starts for Epsocamisio_61:
(5, 37646), (10, 37622), (12, 37544), (Start: 94 @37202 has 23 MA's), (178, 37025),

Gene: Eraser_34 Start: 26614, Stop: 26871, Start Num: 90
Candidate Starts for Eraser_34:
(18, 26377), (19, 26386), (Start: 90 @26614 has 7 MA's), (122, 26662), (177, 26779),

Gene: Erasmago_208 Start: 112982, Stop: 112728, Start Num: 105
Candidate Starts for Erasmago_208:
(31, 113141), (33, 113132), (46, 113096), (54, 113075), (72, 113030), (Start: 105 @112982 has 178 MA's), (165, 112841),

Gene: EricMillard_52 Start: 44419, Stop: 44664, Start Num: 105
Candidate Starts for EricMillard_52:
(Start: 105 @44419 has 178 MA's), (129, 44482), (138, 44512), (139, 44515), (175, 44575), (178, 44578), (180, 44581),

Gene: Erik_46 Start: 34230, Stop: 33934, Start Num: 95
Candidate Starts for Erik_46:
(Start: 95 @34230 has 44 MA's), (Start: 108 @34212 has 16 MA's), (Start: 110 @34206 has 9 MA's), (157, 34089), (175, 34056), (180, 34050), (207, 33990), (222, 33942),

Gene: Espica_46 Start: 34231, Stop: 33935, Start Num: 95
Candidate Starts for Espica_46:
(Start: 95 @34231 has 44 MA's), (Start: 108 @34213 has 16 MA's), (Start: 110 @34207 has 9 MA's), (157, 34090), (175, 34057), (180, 34051), (207, 33991), (222, 33943),

Gene: Et2Brutus_56 Start: 37320, Stop: 37048, Start Num: 92
Candidate Starts for Et2Brutus_56:
(Start: 92 @37320 has 48 MA's), (Start: 100 @37311 has 66 MA's), (178, 37140),

Gene: EugeneKrabs_9 Start: 6127, Stop: 5798, Start Num: 100
Candidate Starts for EugeneKrabs_9:
(Start: 100 @6127 has 66 MA's), (122, 6073), (148, 5974), (177, 5905), (185, 5881), (211, 5836),

Gene: Eureka_38 Start: 33647, Stop: 33895, Start Num: 102
Candidate Starts for Eureka_38:
(62, 33578), (64, 33581), (75, 33608), (Start: 102 @33647 has 13 MA's), (Start: 127 @33707 has 3 MA's), (138, 33740), (140, 33746), (170, 33800), (178, 33812),

Gene: EvilGenius_60 Start: 40027, Stop: 39755, Start Num: 69
Candidate Starts for EvilGenius_60:
(Start: 69 @40027 has 94 MA's), (Start: 100 @40018 has 66 MA's), (Start: 108 @40006 has 16 MA's), (Start: 110 @40000 has 9 MA's), (160, 39877),

Gene: ExplosioNervosa_58 Start: 38348, Stop: 38085, Start Num: 100
Candidate Starts for ExplosioNervosa_58:
(Start: 69 @38357 has 94 MA's), (Start: 100 @38348 has 66 MA's), (Start: 125 @38291 has 1 MA's), (137, 38255), (156, 38216), (170, 38189), (178, 38177),

Gene: Ezurina_2 Start: 591, Stop: 860, Start Num: 101
Candidate Starts for Ezurina_2:
(Start: 101 @591 has 1 MA's), (138, 687), (165, 741),

Gene: FairyPath_37 Start: 33387, Stop: 33575, Start Num: 127

Candidate Starts for FairyPath_37:
(Start: 105 @33330 has 178 MA's), (Start: 127 @33387 has 3 MA's), (138, 33420), (140, 33426), (170, 33480), (178, 33492),

Gene: Faith1_32 Start: 28422, Stop: 28688, Start Num: 104
Candidate Starts for Faith1_32:
(Start: 104 @28422 has 73 MA's), (Start: 120 @28467 has 8 MA's), (139, 28518), (180, 28584), (216, 28656), (221, 28677),

Gene: Fameo_58 Start: 38774, Stop: 38502, Start Num: 69
Candidate Starts for Fameo_58:
(Start: 69 @38774 has 94 MA's), (Start: 100 @38765 has 66 MA's), (Start: 108 @38753 has 16 MA's), (Start: 110 @38747 has 9 MA's), (160, 38624), (178, 38594),

Gene: FarmResident_30 Start: 27563, Stop: 27781, Start Num: 120
Candidate Starts for FarmResident_30:
(Start: 104 @27518 has 73 MA's), (Start: 120 @27563 has 8 MA's), (138, 27611), (178, 27677),

Gene: FatCactus_50 Start: 35904, Stop: 35632, Start Num: 92
Candidate Starts for FatCactus_50:
(Start: 92 @35904 has 48 MA's), (Start: 100 @35895 has 66 MA's), (160, 35754), (178, 35724),

Gene: Fayely_58 Start: 38258, Stop: 37986, Start Num: 69
Candidate Starts for Fayely_58:
(Start: 69 @38258 has 94 MA's), (Start: 100 @38249 has 66 MA's), (Start: 125 @38192 has 1 MA's), (137, 38156), (156, 38117), (170, 38090), (178, 38078),

Gene: Fede_9 Start: 6342, Stop: 6010, Start Num: 100
Candidate Starts for Fede_9:
(Start: 100 @6342 has 66 MA's), (Start: 117 @6303 has 2 MA's), (122, 6291), (130, 6273), (148, 6192), (190, 6087),

Gene: Fibonacci_57 Start: 37326, Stop: 37054, Start Num: 92
Candidate Starts for Fibonacci_57:
(Start: 92 @37326 has 48 MA's), (Start: 100 @37317 has 66 MA's), (178, 37146),

Gene: Filch_38 Start: 32893, Stop: 33138, Start Num: 105
Candidate Starts for Filch_38:
(Start: 105 @32893 has 178 MA's), (Start: 127 @32950 has 3 MA's), (138, 32983), (140, 32989), (170, 33043), (178, 33055),

Gene: Finemlucis_32 Start: 28698, Stop: 28964, Start Num: 104
Candidate Starts for Finemlucis_32:
(Start: 104 @28698 has 73 MA's), (Start: 120 @28743 has 8 MA's), (139, 28794), (180, 28860), (216, 28932), (221, 28953),

Gene: Finnry_31 Start: 28788, Stop: 29054, Start Num: 104
Candidate Starts for Finnry_31:
(Start: 104 @28788 has 73 MA's), (Start: 110 @28800 has 9 MA's), (Start: 120 @28833 has 8 MA's),

Gene: FireRed_37 Start: 33163, Stop: 33408, Start Num: 105
Candidate Starts for FireRed_37:

(Start: 105 @33163 has 178 MA's), (Start: 127 @33220 has 3 MA's), (138, 33253), (140, 33259), (170, 33313), (178, 33325),

Gene: FiringLine_58 Start: 38424, Stop: 38152, Start Num: 69
Candidate Starts for FiringLine_58:
(Start: 69 @38424 has 94 MA's), (Start: 100 @38415 has 66 MA's), (Start: 108 @38403 has 16 MA's), (Start: 110 @38397 has 9 MA's), (160, 38274),

Gene: FiveHead_43 Start: 26555, Stop: 26893, Start Num: 98
Candidate Starts for FiveHead_43:
(32, 26408), (Start: 98 @26555 has 21 MA's),

Gene: Flaverint_58 Start: 37784, Stop: 37512, Start Num: 92
Candidate Starts for Flaverint_58:
(Start: 92 @37784 has 48 MA's), (Start: 100 @37775 has 66 MA's), (178, 37604),

Gene: Floof_43 Start: 27647, Stop: 27949, Start Num: 94
Candidate Starts for Floof_43:
(Start: 94 @27647 has 23 MA's), (Start: 108 @27665 has 16 MA's), (137, 27767), (143, 27785), (156, 27818), (209, 27932),

Gene: Flutur_33 Start: 24982, Stop: 25248, Start Num: 87
Candidate Starts for Flutur_33:
(18, 24724), (23, 24760), (Start: 87 @24982 has 28 MA's), (175, 25165),

Gene: Flypotenuse_35 Start: 32731, Stop: 32976, Start Num: 105
Candidate Starts for Flypotenuse_35:
(Start: 105 @32731 has 178 MA's), (Start: 127 @32788 has 3 MA's), (138, 32821), (140, 32827), (165, 32875), (170, 32881), (178, 32893),

Gene: FoghornLeghorn_36 Start: 32639, Stop: 32884, Start Num: 105
Candidate Starts for FoghornLeghorn_36:
(Start: 105 @32639 has 178 MA's), (Start: 127 @32696 has 3 MA's), (138, 32729), (140, 32735), (170, 32789), (178, 32801),

Gene: Footloose_59 Start: 33811, Stop: 34044, Start Num: 105
Candidate Starts for Footloose_59:
(Start: 105 @33811 has 178 MA's), (111, 33826), (137, 33895), (154, 33931), (159, 33940), (182, 33967),

Gene: Forester_68 Start: 28747, Stop: 29004, Start Num: 100
Candidate Starts for Forester_68:
(Start: 100 @28747 has 66 MA's), (122, 28801), (175, 28927), (184, 28939), (192, 28951),

Gene: Fryberger_117 Start: 56141, Stop: 56380, Start Num: 108
Candidate Starts for Fryberger_117:
(Start: 108 @56141 has 16 MA's), (158, 56264), (195, 56336), (196, 56339),

Gene: Fullmetal_9 Start: 6128, Stop: 5772, Start Num: 100
Candidate Starts for Fullmetal_9:
(Start: 100 @6128 has 66 MA's), (Start: 117 @6089 has 2 MA's), (124, 6074), (146, 5987), (148, 5978), (190, 5870), (194, 5861), (211, 5822),

Gene: GMA4_22 Start: 21398, Stop: 21685, Start Num: 105
Candidate Starts for GMA4_22:
(75, 21356), (Start: 105 @21398 has 178 MA's), (111, 21413), (124, 21449), (Start: 127 @21458 has 3 MA's), (161, 21545), (199, 21623), (211, 21647), (217, 21659), (220, 21674),

Gene: Gabriela_32 Start: 28684, Stop: 28950, Start Num: 104
Candidate Starts for Gabriela_32:
(Start: 104 @28684 has 73 MA's), (Start: 120 @28729 has 8 MA's), (139, 28780), (180, 28846), (216, 28918), (221, 28939),

Gene: Gage_39 Start: 33125, Stop: 33370, Start Num: 105
Candidate Starts for Gage_39:
(Start: 105 @33125 has 178 MA's), (Start: 127 @33182 has 3 MA's), (138, 33215), (140, 33221), (170, 33275), (178, 33287),

Gene: Gambol_31 Start: 22494, Stop: 22760, Start Num: 98
Candidate Starts for Gambol_31:
(Start: 98 @22494 has 21 MA's), (Start: 105 @22503 has 178 MA's), (Start: 108 @22509 has 16 MA's), (131, 22572),

Gene: Gardann_32 Start: 28424, Stop: 28690, Start Num: 104
Candidate Starts for Gardann_32:
(Start: 104 @28424 has 73 MA's), (Start: 120 @28469 has 8 MA's), (139, 28520), (180, 28586), (216, 28658), (221, 28679),

Gene: GardenState_42 Start: 27075, Stop: 27341, Start Num: 100
Candidate Starts for GardenState_42:
(Start: 100 @27075 has 66 MA's),

Gene: Gator_35 Start: 32743, Stop: 32988, Start Num: 105
Candidate Starts for Gator_35:
(Start: 105 @32743 has 178 MA's), (Start: 127 @32800 has 3 MA's), (138, 32833), (140, 32839), (170, 32893), (178, 32905),

Gene: Geeche_123 Start: 70760, Stop: 71053, Start Num: 92
Candidate Starts for Geeche_123:
(Start: 92 @70760 has 48 MA's), (Start: 117 @70808 has 2 MA's), (173, 70937),

Gene: Gemini_40 Start: 33642, Stop: 33887, Start Num: 105
Candidate Starts for Gemini_40:
(Start: 105 @33642 has 178 MA's), (Start: 127 @33699 has 3 MA's), (138, 33732), (140, 33738), (170, 33792), (178, 33804),

Gene: Georgie2_59 Start: 38469, Stop: 38197, Start Num: 69
Candidate Starts for Georgie2_59:
(Start: 69 @38469 has 94 MA's), (Start: 100 @38460 has 66 MA's), (Start: 108 @38448 has 16 MA's), (Start: 110 @38442 has 9 MA's),

Gene: Gerri43_3 Start: 977, Stop: 1246, Start Num: 101
Candidate Starts for Gerri43_3:
(Start: 101 @977 has 1 MA's),

Gene: Gilberta_58 Start: 37777, Stop: 37505, Start Num: 92

Candidate Starts for Gilberta_58:
(Start: 92 @37777 has 48 MA's), (Start: 100 @37768 has 66 MA's), (178, 37597),

Gene: Giorgio_31 Start: 22596, Stop: 22862, Start Num: 98
Candidate Starts for Giorgio_31:
(Start: 98 @22596 has 21 MA's), (Start: 108 @22611 has 16 MA's), (131, 22674), (186, 22794),

Gene: Glexan_35 Start: 32731, Stop: 32976, Start Num: 105
Candidate Starts for Glexan_35:
(Start: 105 @32731 has 178 MA's), (Start: 127 @32788 has 3 MA's), (138, 32821), (140, 32827), (165, 32875), (170, 32881), (178, 32893),

Gene: Goib_64 Start: 40122, Stop: 40346, Start Num: 104
Candidate Starts for Goib_64:
(Start: 104 @40122 has 73 MA's), (122, 40164), (138, 40209), (141, 40218), (170, 40269), (175, 40278),

Gene: Goku_38 Start: 33376, Stop: 33624, Start Num: 102
Candidate Starts for Goku_38:
(62, 33307), (64, 33310), (75, 33337), (Start: 102 @33376 has 13 MA's), (Start: 127 @33436 has 3 MA's), (138, 33469), (140, 33475), (170, 33529), (178, 33541),

Gene: GoldDust_40 Start: 33666, Stop: 33986, Start Num: 91
Candidate Starts for GoldDust_40:
(Start: 91 @33666 has 3 MA's), (124, 33732), (190, 33912), (210, 33957),

Gene: GoldenSpark_39 Start: 33125, Stop: 33370, Start Num: 105
Candidate Starts for GoldenSpark_39:
(Start: 105 @33125 has 178 MA's), (Start: 127 @33182 has 3 MA's), (138, 33215), (140, 33221), (170, 33275), (178, 33287),

Gene: Goldilocks_38 Start: 32545, Stop: 32790, Start Num: 105
Candidate Starts for Goldilocks_38:
(Start: 105 @32545 has 178 MA's), (Start: 127 @32602 has 3 MA's), (138, 32635), (140, 32641), (170, 32695), (178, 32707),

Gene: Gollum_46 Start: 34296, Stop: 34000, Start Num: 95
Candidate Starts for Gollum_46:
(Start: 95 @34296 has 44 MA's), (Start: 108 @34278 has 16 MA's), (Start: 110 @34272 has 9 MA's), (157, 34155), (175, 34122), (180, 34116), (207, 34056), (222, 34008),

Gene: Gonephishing_53 Start: 42117, Stop: 42329, Start Num: 118
Candidate Starts for Gonephishing_53:
(Start: 110 @42090 has 9 MA's), (Start: 118 @42117 has 1 MA's), (138, 42171), (139, 42174), (173, 42231), (191, 42267),

Gene: GooberAzure_39 Start: 33125, Stop: 33370, Start Num: 105
Candidate Starts for GooberAzure_39:
(Start: 105 @33125 has 178 MA's), (Start: 127 @33182 has 3 MA's), (138, 33215), (140, 33221), (170, 33275), (178, 33287),

Gene: Gooberta_40 Start: 33665, Stop: 33985, Start Num: 91
Candidate Starts for Gooberta_40:

(Start: 91 @33665 has 3 MA's), (124, 33731), (190, 33911), (210, 33956),

Gene: Greely_81 Start: 31000, Stop: 31251, Start Num: 105
Candidate Starts for Greely_81:
(Start: 105 @31000 has 178 MA's), (123, 31045), (156, 31126),

Gene: Greep_38 Start: 33455, Stop: 33700, Start Num: 105
Candidate Starts for Greep_38:
(Start: 105 @33455 has 178 MA's), (Start: 127 @33512 has 3 MA's), (138, 33545), (140, 33551), (170, 33605), (178, 33617),

Gene: Gretchen_42 Start: 28431, Stop: 28688, Start Num: 100
Candidate Starts for Gretchen_42:
(Start: 100 @28431 has 66 MA's), (122, 28485), (175, 28611), (184, 28623), (192, 28635),

Gene: Gsput1_55 Start: 37586, Stop: 37813, Start Num: 106
Candidate Starts for Gsput1_55:
(Start: 106 @37586 has 12 MA's), (122, 37628), (137, 37670), (173, 37739), (180, 37748), (211, 37796),

Gene: Guey18_121 Start: 57464, Stop: 57703, Start Num: 108
Candidate Starts for Guey18_121:
(Start: 108 @57464 has 16 MA's), (158, 57587), (195, 57659), (196, 57662),

Gene: Gumpizza_31 Start: 22588, Stop: 22854, Start Num: 98
Candidate Starts for Gumpizza_31:
(Start: 98 @22588 has 21 MA's), (Start: 108 @22603 has 16 MA's), (131, 22666), (186, 22786),

Gene: GuuelaD_32 Start: 28456, Stop: 28722, Start Num: 104
Candidate Starts for GuuelaD_32:
(Start: 104 @28456 has 73 MA's), (Start: 120 @28501 has 8 MA's), (139, 28552), (180, 28618), (216, 28690), (221, 28711),

Gene: Hafay_32 Start: 28500, Stop: 28721, Start Num: 120
Candidate Starts for Hafay_32:
(Start: 104 @28455 has 73 MA's), (Start: 120 @28500 has 8 MA's), (139, 28551), (180, 28617), (216, 28689), (221, 28710),

Gene: Halena_30 Start: 27701, Stop: 27970, Start Num: 104
Candidate Starts for Halena_30:
(Start: 104 @27701 has 73 MA's), (Start: 120 @27746 has 8 MA's), (173, 27854),

Gene: Halley_52 Start: 44132, Stop: 44377, Start Num: 105
Candidate Starts for Halley_52:
(Start: 105 @44132 has 178 MA's), (129, 44195), (138, 44225), (139, 44228), (175, 44288), (178, 44291), (180, 44294),

Gene: Halsey_31 Start: 22590, Stop: 22856, Start Num: 98
Candidate Starts for Halsey_31:
(Start: 98 @22590 has 21 MA's), (Start: 108 @22605 has 16 MA's), (131, 22668), (136, 22686), (186, 22788),

Gene: HanKaySha_38 Start: 32877, Stop: 33122, Start Num: 105

Candidate Starts for HanKaySha_38:
(Start: 105 @32877 has 178 MA's), (Start: 127 @32934 has 3 MA's), (138, 32967), (140, 32973), (170, 33027), (178, 33039),

Gene: Hannaconda_48 Start: 38620, Stop: 38868, Start Num: 105
Candidate Starts for Hannaconda_48:
(Start: 105 @38620 has 178 MA's), (162, 38752),

Gene: Hanray_56 Start: 38212, Stop: 38006, Start Num: 125
Candidate Starts for Hanray_56:
(Start: 69 @38278 has 94 MA's), (Start: 100 @38269 has 66 MA's), (Start: 125 @38212 has 1 MA's), (137, 38176), (156, 38137), (170, 38110), (178, 38098),

Gene: Harella_36 Start: 33247, Stop: 33492, Start Num: 105
Candidate Starts for Harella_36:
(Start: 105 @33247 has 178 MA's), (Start: 127 @33304 has 3 MA's), (138, 33337), (140, 33343), (165, 33391), (170, 33397), (178, 33409),

Gene: Harlequin_45 Start: 34082, Stop: 33786, Start Num: 95
Candidate Starts for Harlequin_45:
(Start: 95 @34082 has 44 MA's), (Start: 108 @34064 has 16 MA's), (Start: 110 @34058 has 9 MA's), (157, 33941), (175, 33908), (180, 33902), (207, 33842), (222, 33794),

Gene: Heffalump_57 Start: 39242, Stop: 38970, Start Num: 69
Candidate Starts for Heffalump_57:
(Start: 69 @39242 has 94 MA's), (Start: 100 @39233 has 66 MA's), (Start: 108 @39221 has 16 MA's), (Start: 110 @39215 has 9 MA's), (160, 39092), (178, 39062),

Gene: Henry_38 Start: 33135, Stop: 33380, Start Num: 105
Candidate Starts for Henry_38:
(Start: 105 @33135 has 178 MA's), (Start: 127 @33192 has 3 MA's), (138, 33225), (140, 33231), (165, 33279), (170, 33285), (178, 33297),

Gene: Herbertwm_56 Start: 38206, Stop: 37934, Start Num: 69
Candidate Starts for Herbertwm_56:
(22, 38407), (Start: 69 @38206 has 94 MA's), (Start: 100 @38197 has 66 MA's), (Start: 108 @38185 has 16 MA's), (122, 38146), (124, 38143), (138, 38101), (140, 38095), (160, 38056), (178, 38026),

Gene: Hidrated_52 Start: 43955, Stop: 44164, Start Num: 118
Candidate Starts for Hidrated_52:
(Start: 110 @43928 has 9 MA's), (Start: 118 @43955 has 1 MA's), (138, 44009), (139, 44012), (173, 44069), (191, 44105), (216, 44153),

Gene: Highbury_38 Start: 32793, Stop: 33038, Start Num: 105
Candidate Starts for Highbury_38:
(Start: 105 @32793 has 178 MA's), (Start: 127 @32850 has 3 MA's), (138, 32883), (140, 32889), (170, 32943), (178, 32955),

Gene: HippoHollow_58 Start: 39876, Stop: 39604, Start Num: 69
Candidate Starts for HippoHollow_58:
(8, 40299), (9, 40290), (17, 40116), (22, 40077), (Start: 69 @39876 has 94 MA's), (Start: 108 @39855 has 16 MA's), (Start: 110 @39849 has 9 MA's), (160, 39726), (178, 39696),

Gene: Hirko_38 Start: 32932, Stop: 33225, Start Num: 91
Candidate Starts for Hirko_38:
(Start: 80 @32917 has 3 MA's), (Start: 91 @32932 has 3 MA's), (142, 33052), (165, 33100), (210, 33196),

Gene: Hiro_46 Start: 34558, Stop: 34262, Start Num: 95
Candidate Starts for Hiro_46:
(Start: 95 @34558 has 44 MA's), (Start: 108 @34540 has 16 MA's), (Start: 110 @34534 has 9 MA's), (129, 34486), (157, 34417), (175, 34384), (180, 34378), (207, 34318), (222, 34270),

Gene: HitchHiker_10 Start: 6310, Stop: 5987, Start Num: 100
Candidate Starts for HitchHiker_10:
(27, 6478), (32, 6460), (41, 6427), (Start: 100 @6310 has 66 MA's), (122, 6259), (129, 6244), (139, 6196), (178, 6088), (202, 6040), (211, 6022),

Gene: HokkenD_45 Start: 42401, Stop: 42646, Start Num: 105
Candidate Starts for HokkenD_45:
(Start: 105 @42401 has 178 MA's), (129, 42464), (138, 42494), (139, 42497), (175, 42557), (178, 42560), (180, 42563),

Gene: Holex_57 Start: 38228, Stop: 38022, Start Num: 125
Candidate Starts for Holex_57:
(Start: 69 @38294 has 94 MA's), (Start: 100 @38285 has 66 MA's), (Start: 125 @38228 has 1 MA's), (137, 38192), (156, 38153), (170, 38126), (178, 38114),

Gene: Holt_38 Start: 32412, Stop: 32657, Start Num: 105
Candidate Starts for Holt_38:
(Start: 105 @32412 has 178 MA's), (Start: 127 @32469 has 3 MA's), (138, 32502), (140, 32508), (165, 32556), (170, 32562), (178, 32574),

Gene: Honk_39 Start: 24394, Stop: 24654, Start Num: 94
Candidate Starts for Honk_39:
(Start: 94 @24394 has 23 MA's), (116, 24433),

Gene: Hoonter_39 Start: 33125, Stop: 33370, Start Num: 105
Candidate Starts for Hoonter_39:
(Start: 105 @33125 has 178 MA's), (Start: 127 @33182 has 3 MA's), (138, 33215), (140, 33221), (170, 33275), (178, 33287),

Gene: Hopey_39 Start: 33412, Stop: 33657, Start Num: 105
Candidate Starts for Hopey_39:
(Start: 105 @33412 has 178 MA's), (Start: 127 @33469 has 3 MA's), (138, 33502), (140, 33508), (170, 33562), (178, 33574),

Gene: HortumSL17_58 Start: 38225, Stop: 37953, Start Num: 69
Candidate Starts for HortumSL17_58:
(Start: 69 @38225 has 94 MA's), (Start: 100 @38216 has 66 MA's), (Start: 125 @38159 has 1 MA's), (137, 38123), (156, 38084), (170, 38057), (178, 38045),

Gene: HufflyPuff_36 Start: 33119, Stop: 33364, Start Num: 105
Candidate Starts for HufflyPuff_36:
(Start: 105 @33119 has 178 MA's), (Start: 127 @33176 has 3 MA's), (138, 33209), (140, 33215), (170, 33269), (178, 33281),

Gene: Huffy_63 Start: 39006, Stop: 39230, Start Num: 104
Candidate Starts for Huffy_63:
(Start: 104 @39006 has 73 MA's), (122, 39048), (138, 39093), (141, 39102), (170, 39153), (175, 39162), (192, 39183),

Gene: Hughesyang_50 Start: 44061, Stop: 44306, Start Num: 105
Candidate Starts for Hughesyang_50:
(Start: 105 @44061 has 178 MA's), (129, 44124), (138, 44154), (139, 44157), (175, 44217), (178, 44220), (180, 44223),

Gene: Hutc2_57 Start: 37326, Stop: 37054, Start Num: 92
Candidate Starts for Hutc2_57:
(Start: 92 @37326 has 48 MA's), (Start: 100 @37317 has 66 MA's), (178, 37146),

Gene: IAmGroot_42 Start: 27740, Stop: 28006, Start Num: 100
Candidate Starts for IAmGroot_42:
(Start: 100 @27740 has 66 MA's),

Gene: IHOP_37 Start: 33369, Stop: 33557, Start Num: 127
Candidate Starts for IHOP_37:
(Start: 105 @33312 has 178 MA's), (Start: 127 @33369 has 3 MA's), (138, 33402), (140, 33408), (170, 33462), (178, 33474),

Gene: IUFootball_36 Start: 26803, Stop: 26994, Start Num: 125
Candidate Starts for IUFootball_36:
(Start: 79 @26752 has 3 MA's), (Start: 125 @26803 has 1 MA's), (175, 26911),

Gene: Icee_36 Start: 32793, Stop: 33038, Start Num: 105
Candidate Starts for Icee_36:
(Start: 105 @32793 has 178 MA's), (Start: 127 @32850 has 3 MA's), (138, 32883), (140, 32889), (170, 32943), (178, 32955),

Gene: Inca_36 Start: 31814, Stop: 32059, Start Num: 105
Candidate Starts for Inca_36:
(Start: 105 @31814 has 178 MA's), (Start: 127 @31871 has 3 MA's), (138, 31904), (140, 31910), (170, 31964), (178, 31976),

Gene: Indlulamithi_37 Start: 32452, Stop: 32694, Start Num: 128
Candidate Starts for Indlulamithi_37:
(Start: 128 @32452 has 1 MA's), (144, 32506), (176, 32593), (211, 32677), (212, 32680),

Gene: Insomnia_58 Start: 37837, Stop: 37565, Start Num: 92
Candidate Starts for Insomnia_58:
(Start: 92 @37837 has 48 MA's), (Start: 100 @37828 has 66 MA's), (178, 37657),

Gene: Iter_34 Start: 24797, Stop: 25063, Start Num: 87
Candidate Starts for Iter_34:
(Start: 87 @24797 has 28 MA's), (175, 24980),

Gene: Itos_32 Start: 28422, Stop: 28688, Start Num: 104
Candidate Starts for Itos_32:

(Start: 104 @28422 has 73 MA's), (Start: 120 @28467 has 8 MA's), (139, 28518), (180, 28584), (216, 28656), (221, 28677),

Gene: IttyBittyPiggy_33 Start: 24853, Stop: 25107, Start Num: 84
Candidate Starts for IttyBittyPiggy_33:
(18, 24598), (23, 24634), (Start: 84 @24853 has 4 MA's),

Gene: JSwag_63 Start: 37391, Stop: 37122, Start Num: 94
Candidate Starts for JSwag_63:
(5, 37835), (10, 37811), (12, 37733), (Start: 94 @37391 has 23 MA's), (178, 37214),

Gene: Jabith_58 Start: 37838, Stop: 37566, Start Num: 92
Candidate Starts for Jabith_58:
(Start: 92 @37838 has 48 MA's), (Start: 100 @37829 has 66 MA's), (178, 37658),

Gene: JackSparrow_64 Start: 41111, Stop: 40914, Start Num: 121
Candidate Starts for JackSparrow_64:
(119, 41114), (Start: 121 @41111 has 1 MA's), (129, 41099), (157, 41030), (173, 41000),

Gene: Janeemi_35 Start: 26823, Stop: 27089, Start Num: 87
Candidate Starts for Janeemi_35:
(Start: 87 @26823 has 28 MA's),

Gene: JasmineDragon_39 Start: 26463, Stop: 26750, Start Num: 98
Candidate Starts for JasmineDragon_39:
(Start: 98 @26463 has 21 MA's), (182, 26655),

Gene: JeTaime_39 Start: 33936, Stop: 34181, Start Num: 105
Candidate Starts for JeTaime_39:
(Start: 105 @33936 has 178 MA's), (Start: 127 @33993 has 3 MA's), (138, 34026), (140, 34032), (170, 34086), (178, 34098),

Gene: Jerm_60 Start: 38841, Stop: 38569, Start Num: 69
Candidate Starts for Jerm_60:
(Start: 69 @38841 has 94 MA's), (Start: 100 @38832 has 66 MA's), (Start: 108 @38820 has 16 MA's), (Start: 110 @38814 has 9 MA's), (160, 38691),

Gene: JessellCookie_9 Start: 6219, Stop: 5899, Start Num: 100
Candidate Starts for JessellCookie_9:
(Start: 100 @6219 has 66 MA's), (122, 6168), (124, 6165), (177, 6000), (211, 5931),

Gene: Jester_45 Start: 34013, Stop: 33717, Start Num: 95
Candidate Starts for Jester_45:
(Start: 95 @34013 has 44 MA's), (Start: 108 @33995 has 16 MA's), (Start: 110 @33989 has 9 MA's), (157, 33872), (175, 33839), (180, 33833), (207, 33773), (222, 33725),

Gene: Jiawan_56 Start: 38310, Stop: 38038, Start Num: 69
Candidate Starts for Jiawan_56:
(Start: 69 @38310 has 94 MA's), (Start: 100 @38301 has 66 MA's), (Start: 125 @38244 has 1 MA's), (137, 38208), (156, 38169), (170, 38142), (178, 38130),

Gene: JimmyPG_9 Start: 6105, Stop: 5752, Start Num: 102
Candidate Starts for JimmyPG_9:

(52, 6201), (Start: 100 @6108 has 66 MA's), (Start: 102 @6105 has 13 MA's), (Start: 117 @6069 has 2 MA's), (147, 5961), (162, 5916), (194, 5841), (211, 5802),

Gene: Jinkies_45 Start: 34146, Stop: 34457, Start Num: 91
Candidate Starts for Jinkies_45:
(Start: 91 @34146 has 3 MA's), (Start: 106 @34164 has 12 MA's), (137, 34263), (140, 34272), (197, 34398), (215, 34434),

Gene: Jobypre_31 Start: 28829, Stop: 29050, Start Num: 120
Candidate Starts for Jobypre_31:
(Start: 104 @28784 has 73 MA's), (Start: 110 @28796 has 9 MA's), (Start: 120 @28829 has 8 MA's),

Gene: JoeDirt_30 Start: 27672, Stop: 27941, Start Num: 104
Candidate Starts for JoeDirt_30:
(Start: 104 @27672 has 73 MA's), (Start: 120 @27717 has 8 MA's), (173, 27825),

Gene: Joemato_33 Start: 24755, Stop: 25021, Start Num: 87
Candidate Starts for Joemato_33:
(18, 24497), (Start: 87 @24755 has 28 MA's), (175, 24938),

Gene: JohnDoe_33 Start: 24746, Stop: 25012, Start Num: 87
Candidate Starts for JohnDoe_33:
(18, 24488), (Start: 87 @24746 has 28 MA's), (175, 24929),

Gene: JohnThicc_42 Start: 26555, Stop: 26893, Start Num: 98
Candidate Starts for JohnThicc_42:
(32, 26408), (Start: 98 @26555 has 21 MA's),

Gene: JonJames_133 Start: 77174, Stop: 77473, Start Num: 92
Candidate Starts for JonJames_133:
(Start: 92 @77174 has 48 MA's), (122, 77234), (137, 77276), (143, 77285), (157, 77321), (173, 77351),

Gene: JordanFarm_9 Start: 6089, Stop: 5751, Start Num: 100
Candidate Starts for JordanFarm_9:
(43, 6161), (Start: 100 @6089 has 66 MA's), (Start: 117 @6050 has 2 MA's), (138, 5978), (148, 5939), (212, 5798),

Gene: Joselito_58 Start: 37786, Stop: 37514, Start Num: 92
Candidate Starts for Joselito_58:
(Start: 92 @37786 has 48 MA's), (Start: 100 @37777 has 66 MA's), (178, 37606),

Gene: Journey13_52 Start: 36811, Stop: 36539, Start Num: 69
Candidate Starts for Journey13_52:
(Start: 69 @36811 has 94 MA's), (Start: 100 @36802 has 66 MA's), (Start: 110 @36784 has 9 MA's), (140, 36700), (160, 36661), (178, 36631),

Gene: JoyLin_51 Start: 37210, Stop: 37458, Start Num: 102
Candidate Starts for JoyLin_51:
(Start: 102 @37210 has 13 MA's), (140, 37309), (142, 37315), (173, 37369), (175, 37372), (180, 37378), (214, 37447),

Gene: Jsquared_56 Start: 37405, Stop: 37133, Start Num: 92
Candidate Starts for Jsquared_56:

(Start: 92 @37405 has 48 MA's), (Start: 108 @37384 has 16 MA's), (Start: 110 @37378 has 9 MA's), (160, 37255), (165, 37243),

Gene: Jstan_36 Start: 26608, Stop: 26865, Start Num: 90
Candidate Starts for Jstan_36:
(18, 26371), (19, 26380), (Start: 90 @26608 has 7 MA's), (122, 26656), (177, 26773),

Gene: Jubie_31 Start: 28785, Stop: 29051, Start Num: 104
Candidate Starts for Jubie_31:
(Start: 104 @28785 has 73 MA's), (Start: 110 @28797 has 9 MA's), (Start: 120 @28830 has 8 MA's),

Gene: Juicebox_39 Start: 32245, Stop: 32553, Start Num: 82
Candidate Starts for Juicebox_39:
(Start: 82 @32245 has 1 MA's), (Start: 100 @32269 has 66 MA's), (Start: 108 @32281 has 16 MA's), (113, 32302), (114, 32305), (Start: 127 @32350 has 3 MA's), (132, 32368), (150, 32404), (157, 32422), (166, 32443), (169, 32446), (175, 32455), (202, 32518),

Gene: JuicyJay_54 Start: 45887, Stop: 46132, Start Num: 105
Candidate Starts for JuicyJay_54:
(Start: 105 @45887 has 178 MA's), (129, 45950), (138, 45980), (139, 45983), (175, 46043), (178, 46046), (180, 46049),

Gene: JuneStar_33 Start: 26763, Stop: 27023, Start Num: 87
Candidate Starts for JuneStar_33:
(Start: 87 @26763 has 28 MA's), (175, 26922),

Gene: KSunshine22_102 Start: 83941, Stop: 84201, Start Num: 105
Candidate Starts for KSunshine22_102:
(Start: 105 @83941 has 178 MA's), (202, 84160), (204, 84163),

Gene: Kahlid_32 Start: 28472, Stop: 28693, Start Num: 120
Candidate Starts for Kahlid_32:
(Start: 104 @28427 has 73 MA's), (Start: 120 @28472 has 8 MA's), (139, 28523), (180, 28589), (216, 28661), (221, 28682),

Gene: Kalah2_52 Start: 44487, Stop: 44732, Start Num: 105
Candidate Starts for Kalah2_52:
(Start: 105 @44487 has 178 MA's), (129, 44550), (138, 44580), (139, 44583), (175, 44643), (178, 44646), (180, 44649),

Gene: Kalimba_31 Start: 22493, Stop: 22759, Start Num: 98
Candidate Starts for Kalimba_31:
(Start: 98 @22493 has 21 MA's), (Start: 105 @22502 has 178 MA's), (Start: 108 @22508 has 16 MA's), (131, 22571),

Gene: Kanye_39 Start: 34121, Stop: 34366, Start Num: 105
Candidate Starts for Kanye_39:
(Start: 105 @34121 has 178 MA's), (Start: 127 @34178 has 3 MA's), (138, 34211), (140, 34217), (170, 34271), (178, 34283),

Gene: KashFlow_45 Start: 38241, Stop: 38489, Start Num: 105
Candidate Starts for KashFlow_45:
(Start: 105 @38241 has 178 MA's), (162, 38373),

Gene: KatherineG_64 Start: 37864, Stop: 37595, Start Num: 94
Candidate Starts for KatherineG_64:
(Start: 94 @37864 has 23 MA's), (178, 37687),

Gene: Kaylissa_33 Start: 24719, Stop: 24961, Start Num: 87
Candidate Starts for Kaylissa_33:
(Start: 87 @24719 has 28 MA's), (175, 24878),

Gene: KeAlii_33 Start: 24733, Stop: 24990, Start Num: 84
Candidate Starts for KeAlii_33:
(20, 24508), (Start: 84 @24733 has 4 MA's),

Gene: Keelan_118 Start: 57003, Stop: 57242, Start Num: 108
Candidate Starts for Keelan_118:
(60, 56925), (Start: 108 @57003 has 16 MA's), (122, 57042), (129, 57057), (157, 57123), (195, 57198), (208, 57219),

Gene: Keough_9 Start: 6092, Stop: 5736, Start Num: 100
Candidate Starts for Keough_9:
(Start: 100 @6092 has 66 MA's), (Start: 117 @6053 has 2 MA's), (124, 6038), (148, 5942), (190, 5834), (194, 5825), (211, 5786),

Gene: Kerberos_60 Start: 38268, Stop: 37996, Start Num: 69
Candidate Starts for Kerberos_60:
(Start: 69 @38268 has 94 MA's), (Start: 100 @38259 has 66 MA's), (137, 38166), (178, 38088), (201, 38034),

Gene: Keziacharles14_58 Start: 39366, Stop: 39094, Start Num: 69
Candidate Starts for Keziacharles14_58:
(Start: 69 @39366 has 94 MA's), (Start: 100 @39357 has 66 MA's), (Start: 125 @39300 has 1 MA's), (137, 39264), (157, 39222),

Gene: Khuang_61 Start: 36119, Stop: 36397, Start Num: 106
Candidate Starts for Khuang_61:
(60, 36041), (Start: 106 @36119 has 12 MA's), (122, 36164), (143, 36221), (145, 36224), (172, 36290),

Gene: Kikiko_7 Start: 5275, Stop: 4988, Start Num: 103
Candidate Starts for Kikiko_7:
(Start: 103 @5275 has 1 MA's), (122, 5227), (137, 5185), (171, 5101),

Gene: Kimba_57 Start: 37358, Stop: 37086, Start Num: 92
Candidate Starts for Kimba_57:
(Start: 92 @37358 has 48 MA's), (Start: 100 @37349 has 66 MA's), (178, 37178),

Gene: Kimchi_39 Start: 33128, Stop: 33373, Start Num: 105
Candidate Starts for Kimchi_39:
(Start: 105 @33128 has 178 MA's), (Start: 127 @33185 has 3 MA's), (138, 33218), (140, 33224), (170, 33278), (178, 33290),

Gene: Kimchi1738_51 Start: 43674, Stop: 43384, Start Num: 100
Candidate Starts for Kimchi1738_51:
(Start: 100 @43674 has 66 MA's), (124, 43611), (165, 43497), (173, 43485),

Gene: KingCyrus_60 Start: 40022, Stop: 39750, Start Num: 69
Candidate Starts for KingCyrus_60:
(Start: 69 @40022 has 94 MA's), (Start: 100 @40013 has 66 MA's), (Start: 108 @40001 has 16 MA's), (Start: 110 @39995 has 9 MA's), (160, 39872),

Gene: KingKamren_9 Start: 6124, Stop: 5798, Start Num: 100
Candidate Starts for KingKamren_9:
(Start: 100 @6124 has 66 MA's), (122, 6073), (177, 5905), (211, 5836),

Gene: Kingsolomon_31 Start: 28784, Stop: 29050, Start Num: 104
Candidate Starts for Kingsolomon_31:
(Start: 104 @28784 has 73 MA's), (Start: 110 @28796 has 9 MA's), (Start: 120 @28829 has 8 MA's),

Gene: KirDoubleO7_29 Start: 28812, Stop: 29033, Start Num: 120
Candidate Starts for KirDoubleO7_29:
(Start: 104 @28767 has 73 MA's), (Start: 110 @28779 has 9 MA's), (Start: 120 @28812 has 8 MA's), (138, 28860),

Gene: Klein_52 Start: 43699, Stop: 43944, Start Num: 105
Candidate Starts for Klein_52:
(Start: 105 @43699 has 178 MA's), (129, 43762), (138, 43792), (139, 43795), (175, 43855), (178, 43858), (180, 43861),

Gene: Klodlith_57 Start: 37984, Stop: 37712, Start Num: 69
Candidate Starts for Klodlith_57:
(Start: 69 @37984 has 94 MA's), (Start: 125 @37918 has 1 MA's), (137, 37882), (170, 37816), (178, 37804), (183, 37795),

Gene: Koduck_59 Start: 37723, Stop: 37412, Start Num: 69
Candidate Starts for Koduck_59:
(7, 38146), (16, 37963), (21, 37924), (Start: 69 @37723 has 94 MA's), (Start: 92 @37684 has 48 MA's), (Start: 110 @37657 has 9 MA's), (160, 37534), (165, 37522),

Gene: Kosier_9 Start: 6342, Stop: 6010, Start Num: 100
Candidate Starts for Kosier_9:
(Start: 100 @6342 has 66 MA's), (Start: 117 @6303 has 2 MA's), (122, 6291), (130, 6273), (148, 6192), (190, 6087),

Gene: Kostya_38 Start: 33136, Stop: 33381, Start Num: 105
Candidate Starts for Kostya_38:
(Start: 105 @33136 has 178 MA's), (Start: 127 @33193 has 3 MA's), (138, 33226), (140, 33232), (170, 33286), (178, 33298),

Gene: Krishelle_46 Start: 34658, Stop: 34362, Start Num: 95
Candidate Starts for Krishelle_46:
(Start: 95 @34658 has 44 MA's), (Start: 108 @34640 has 16 MA's), (Start: 110 @34634 has 9 MA's), (157, 34517), (175, 34484), (180, 34478), (207, 34418), (222, 34370),

Gene: Kropertea_30 Start: 27482, Stop: 27745, Start Num: 104
Candidate Starts for Kropertea_30:
(Start: 104 @27482 has 73 MA's), (Start: 120 @27527 has 8 MA's), (178, 27641),

Gene: Krypton555_31 Start: 28682, Stop: 28948, Start Num: 104
Candidate Starts for Krypton555_31:
(77, 28643), (Start: 104 @28682 has 73 MA's), (Start: 110 @28694 has 9 MA's), (Start: 120 @28727 has 8 MA's), (138, 28775),

Gene: Kumao_40 Start: 35332, Stop: 35592, Start Num: 87
Candidate Starts for Kumao_40:
(Start: 87 @35332 has 28 MA's), (Start: 105 @35341 has 178 MA's), (124, 35392), (140, 35440), (154, 35470), (159, 35479), (168, 35500), (173, 35503), (175, 35506),

Gene: Kumotta_57 Start: 33061, Stop: 33339, Start Num: 105
Candidate Starts for Kumotta_57:
(Start: 105 @33061 has 178 MA's), (122, 33109), (165, 33223),

Gene: L5_56 Start: 37810, Stop: 37499, Start Num: 69
Candidate Starts for L5_56:
(7, 38233), (16, 38050), (21, 38011), (Start: 69 @37810 has 94 MA's), (Start: 92 @37771 has 48 MA's), (Start: 110 @37744 has 9 MA's), (160, 37621), (165, 37609),

Gene: Larenn_57 Start: 38431, Stop: 38159, Start Num: 69
Candidate Starts for Larenn_57:
(Start: 69 @38431 has 94 MA's), (Start: 110 @38404 has 9 MA's), (124, 38368), (138, 38326), (160, 38281), (178, 38251), (183, 38242),

Gene: LastNadiia_6 Start: 3336, Stop: 3599, Start Num: 97
Candidate Starts for LastNadiia_6:
(97, 3336), (137, 3429), (184, 3522),

Gene: LastResort_62 Start: 37443, Stop: 37174, Start Num: 94
Candidate Starts for LastResort_62:
(5, 37887), (10, 37863), (12, 37785), (Start: 94 @37443 has 23 MA's), (178, 37266),

Gene: LeBron_30 Start: 27716, Stop: 27985, Start Num: 104
Candidate Starts for LeBron_30:
(Start: 104 @27716 has 73 MA's), (Start: 120 @27761 has 8 MA's), (173, 27869),

Gene: LeeroyJenkins_54 Start: 34043, Stop: 34282, Start Num: 106
Candidate Starts for LeeroyJenkins_54:
(Start: 106 @34043 has 12 MA's), (129, 34100), (137, 34127), (140, 34136),

Gene: Lego_33 Start: 24673, Stop: 24915, Start Num: 87
Candidate Starts for Lego_33:
(Start: 87 @24673 has 28 MA's),

Gene: LeoJr_107 Start: 87292, Stop: 87555, Start Num: 105
Candidate Starts for LeoJr_107:
(Start: 105 @87292 has 178 MA's), (190, 87481),

Gene: Leopard_52 Start: 39719, Stop: 39474, Start Num: 105
Candidate Starts for Leopard_52:
(Start: 105 @39719 has 178 MA's), (129, 39659), (137, 39632), (157, 39593), (170, 39569), (173, 39563), (178, 39557), (188, 39533),

Gene: Leviathan_60 Start: 38898, Stop: 38626, Start Num: 69
Candidate Starts for Leviathan_60:
(Start: 69 @38898 has 94 MA's), (Start: 100 @38889 has 66 MA's), (Start: 108 @38877 has 16 MA's), (Start: 110 @38871 has 9 MA's), (160, 38748),

Gene: Lewan_32 Start: 28467, Stop: 28688, Start Num: 120
Candidate Starts for Lewan_32:
(Start: 104 @28422 has 73 MA's), (Start: 120 @28467 has 8 MA's), (139, 28518), (180, 28584), (216, 28656), (221, 28677),

Gene: Liebe_36 Start: 26803, Stop: 26994, Start Num: 125
Candidate Starts for Liebe_36:
(Start: 79 @26752 has 3 MA's), (Start: 125 @26803 has 1 MA's), (175, 26911),

Gene: Lifes_48 Start: 30666, Stop: 30905, Start Num: 106
Candidate Starts for Lifes_48:
(44, 30549), (53, 30567), (Start: 106 @30666 has 12 MA's), (129, 30723), (140, 30759),

Gene: LilDestine_32 Start: 28421, Stop: 28687, Start Num: 104
Candidate Starts for LilDestine_32:
(Start: 104 @28421 has 73 MA's), (112, 28445), (Start: 120 @28466 has 8 MA's), (139, 28517), (180, 28583), (216, 28655), (221, 28676),

Gene: LilTurb_59 Start: 38722, Stop: 38450, Start Num: 69
Candidate Starts for LilTurb_59:
(Start: 69 @38722 has 94 MA's), (Start: 100 @38713 has 66 MA's), (Start: 108 @38701 has 16 MA's), (Start: 110 @38695 has 9 MA's), (160, 38572),

Gene: Lilac_39 Start: 32632, Stop: 32877, Start Num: 105
Candidate Starts for Lilac_39:
(Start: 105 @32632 has 178 MA's), (Start: 127 @32689 has 3 MA's), (138, 32722), (140, 32728), (170, 32782), (178, 32794),

Gene: Lilizi_39 Start: 32840, Stop: 33085, Start Num: 105
Candidate Starts for Lilizi_39:
(Start: 105 @32840 has 178 MA's), (Start: 127 @32897 has 3 MA's), (138, 32930), (140, 32936), (170, 32990), (178, 33002),

Gene: Lilleskat_56 Start: 38227, Stop: 37955, Start Num: 69
Candidate Starts for Lilleskat_56:
(Start: 69 @38227 has 94 MA's), (Start: 100 @38218 has 66 MA's), (Start: 125 @38161 has 1 MA's), (137, 38125), (156, 38086), (170, 38059), (178, 38047),

Gene: Lillie_46 Start: 34298, Stop: 34002, Start Num: 95
Candidate Starts for Lillie_46:
(Start: 95 @34298 has 44 MA's), (Start: 108 @34280 has 16 MA's), (Start: 110 @34274 has 9 MA's), (157, 34157), (175, 34124), (180, 34118), (207, 34058), (222, 34010),

Gene: Lilpickle_36 Start: 32342, Stop: 32587, Start Num: 105
Candidate Starts for Lilpickle_36:
(Start: 105 @32342 has 178 MA's), (Start: 127 @32399 has 3 MA's), (138, 32432), (140, 32438), (170, 32492), (178, 32504),

Gene: LilyLou_9 Start: 6368, Stop: 6045, Start Num: 100
Candidate Starts for LilyLou_9:
(Start: 100 @6368 has 66 MA's), (122, 6317), (133, 6272), (139, 6254), (177, 6149), (202, 6098),

Gene: LionsBait_60 Start: 39877, Stop: 39605, Start Num: 69
Candidate Starts for LionsBait_60:
(8, 40300), (9, 40291), (17, 40117), (22, 40078), (Start: 69 @39877 has 94 MA's), (Start: 108 @39856 has 16 MA's), (Start: 110 @39850 has 9 MA's), (160, 39727), (178, 39697),

Gene: LittleE_56 Start: 43957, Stop: 44196, Start Num: 110
Candidate Starts for LittleE_56:
(Start: 110 @43957 has 9 MA's), (Start: 118 @43984 has 1 MA's), (138, 44038), (139, 44041), (173, 44098), (191, 44134),

Gene: LiyuLake_31 Start: 28737, Stop: 29003, Start Num: 104
Candidate Starts for LiyuLake_31:
(Start: 104 @28737 has 73 MA's), (Start: 110 @28749 has 9 MA's), (Start: 120 @28782 has 8 MA's), (138, 28830),

Gene: Lizalica_32 Start: 24547, Stop: 24813, Start Num: 87
Candidate Starts for Lizalica_32:
(Start: 87 @24547 has 28 MA's), (175, 24730),

Gene: Loadrie_32 Start: 28454, Stop: 28720, Start Num: 104
Candidate Starts for Loadrie_32:
(Start: 104 @28454 has 73 MA's), (Start: 120 @28499 has 8 MA's), (139, 28550), (180, 28616), (216, 28688), (221, 28709),

Gene: Lokk_55 Start: 37800, Stop: 37528, Start Num: 69
Candidate Starts for Lokk_55:
(Start: 69 @37800 has 94 MA's), (Start: 110 @37773 has 9 MA's), (160, 37650), (178, 37620),

Gene: Lolly9_31 Start: 28548, Stop: 28814, Start Num: 104
Candidate Starts for Lolly9_31:
(Start: 104 @28548 has 73 MA's), (Start: 110 @28560 has 9 MA's), (Start: 120 @28593 has 8 MA's),

Gene: London_34 Start: 26623, Stop: 26880, Start Num: 90
Candidate Starts for London_34:
(18, 26386), (19, 26395), (Start: 90 @26623 has 7 MA's), (122, 26671), (177, 26788),

Gene: LoneWolf_59 Start: 38258, Stop: 37986, Start Num: 69
Candidate Starts for LoneWolf_59:
(Start: 69 @38258 has 94 MA's), (Start: 100 @38249 has 66 MA's), (Start: 125 @38192 has 1 MA's), (137, 38156), (160, 38108), (178, 38078),

Gene: Looper_63 Start: 37355, Stop: 37086, Start Num: 94
Candidate Starts for Looper_63:
(5, 37799), (10, 37775), (12, 37697), (Start: 94 @37355 has 23 MA's), (178, 37178),

Gene: Lozinak_125 Start: 71628, Stop: 71921, Start Num: 92
Candidate Starts for Lozinak_125:
(Start: 92 @71628 has 48 MA's), (Start: 117 @71676 has 2 MA's), (173, 71805),

Gene: Lucivia_58 Start: 37835, Stop: 37563, Start Num: 92
Candidate Starts for Lucivia_58:
(Start: 92 @37835 has 48 MA's), (Start: 100 @37826 has 66 MA's), (178, 37655),

Gene: Lucky2013_51 Start: 40948, Stop: 41187, Start Num: 110
Candidate Starts for Lucky2013_51:
(Start: 110 @40948 has 9 MA's), (Start: 118 @40975 has 1 MA's), (138, 41029), (139, 41032), (173, 41089), (191, 41125),

Gene: Lucyedi_59 Start: 38336, Stop: 38067, Start Num: 95
Candidate Starts for Lucyedi_59:
(53, 38408), (Start: 92 @38339 has 48 MA's), (Start: 95 @38336 has 44 MA's), (Start: 100 @38330 has 66 MA's), (137, 38237), (157, 38195), (160, 38189), (178, 38159),

Gene: Lumos_31 Start: 28781, Stop: 29047, Start Num: 104
Candidate Starts for Lumos_31:
(Start: 104 @28781 has 73 MA's), (Start: 110 @28793 has 9 MA's), (Start: 120 @28826 has 8 MA's),

Gene: Lynnae_32 Start: 28455, Stop: 28676, Start Num: 120
Candidate Starts for Lynnae_32:
(Start: 104 @28410 has 73 MA's), (Start: 120 @28455 has 8 MA's), (139, 28506), (180, 28572), (216, 28644), (221, 28665),

Gene: MAckerman_30 Start: 27690, Stop: 27959, Start Num: 104
Candidate Starts for MAckerman_30:
(Start: 104 @27690 has 73 MA's), (Start: 120 @27735 has 8 MA's), (173, 27843),

Gene: MISSy_36 Start: 32648, Stop: 32893, Start Num: 105
Candidate Starts for MISSy_36:
(Start: 105 @32648 has 178 MA's), (Start: 127 @32705 has 3 MA's), (138, 32738), (140, 32744), (170, 32798), (178, 32810),

Gene: MPhalcon_36 Start: 32641, Stop: 32886, Start Num: 105
Candidate Starts for MPhalcon_36:
(Start: 105 @32641 has 178 MA's), (Start: 127 @32698 has 3 MA's), (138, 32731), (140, 32737), (170, 32791), (178, 32803),

Gene: MaCh_58 Start: 37765, Stop: 37493, Start Num: 92
Candidate Starts for MaCh_58:
(Start: 92 @37765 has 48 MA's), (Start: 100 @37756 has 66 MA's), (160, 37615),

Gene: MaGuCo_34 Start: 25599, Stop: 25841, Start Num: 79
Candidate Starts for MaGuCo_34:
(Start: 79 @25599 has 3 MA's), (Start: 125 @25650 has 1 MA's), (175, 25758),

Gene: Mabel_57 Start: 37367, Stop: 37095, Start Num: 92
Candidate Starts for Mabel_57:
(Start: 92 @37367 has 48 MA's), (Start: 100 @37358 has 66 MA's), (178, 37187),

Gene: Mabodamaca_42 Start: 28268, Stop: 28534, Start Num: 100
Candidate Starts for Mabodamaca_42:
(Start: 100 @28268 has 66 MA's), (122, 28322), (167, 28436),

Gene: MadamMonkfish_37 Start: 32553, Stop: 32798, Start Num: 105
Candidate Starts for MadamMonkfish_37:
(Start: 105 @32553 has 178 MA's), (Start: 127 @32610 has 3 MA's), (138, 32643), (140, 32649), (170, 32703), (178, 32715),

Gene: MajorMajor_57 Start: 37421, Stop: 37149, Start Num: 92
Candidate Starts for MajorMajor_57:
(Start: 92 @37421 has 48 MA's), (Start: 108 @37400 has 16 MA's), (Start: 110 @37394 has 9 MA's), (160, 37271), (165, 37259),

Gene: Makima_4 Start: 2462, Stop: 2728, Start Num: 97
Candidate Starts for Makima_4:
(97, 2462), (165, 2612), (200, 2687),

Gene: Malec_58 Start: 38998, Stop: 38726, Start Num: 69
Candidate Starts for Malec_58:
(Start: 69 @38998 has 94 MA's), (Start: 110 @38971 has 9 MA's), (124, 38935), (138, 38893), (160, 38848), (178, 38818), (183, 38809),

Gene: Maminiaina_57 Start: 38227, Stop: 37955, Start Num: 69
Candidate Starts for Maminiaina_57:
(Start: 69 @38227 has 94 MA's), (Start: 100 @38218 has 66 MA's), (Start: 125 @38161 has 1 MA's), (137, 38125), (178, 38047),

Gene: Manda_38 Start: 33620, Stop: 33865, Start Num: 105
Candidate Starts for Manda_38:
(Start: 105 @33620 has 178 MA's), (Start: 127 @33677 has 3 MA's), (138, 33710), (140, 33716), (170, 33770), (178, 33782),

Gene: MargaretKali_53 Start: 31679, Stop: 31957, Start Num: 105
Candidate Starts for MargaretKali_53:
(Start: 105 @31679 has 178 MA's), (122, 31727), (165, 31841),

Gene: Marleymoo_53 Start: 43853, Stop: 44062, Start Num: 118
Candidate Starts for Marleymoo_53:
(Start: 110 @43826 has 9 MA's), (Start: 118 @43853 has 1 MA's), (138, 43907), (139, 43910), (173, 43967), (191, 44003), (216, 44051),

Gene: Marshmallow_37 Start: 33133, Stop: 33378, Start Num: 105
Candidate Starts for Marshmallow_37:
(Start: 105 @33133 has 178 MA's), (Start: 127 @33190 has 3 MA's), (138, 33223), (140, 33229), (170, 33283), (178, 33295),

Gene: MaryV_53 Start: 39346, Stop: 39594, Start Num: 105
Candidate Starts for MaryV_53:
(Start: 105 @39346 has 178 MA's), (135, 39427), (157, 39475), (175, 39508), (178, 39511), (180, 39514), (193, 39547), (211, 39583),

Gene: Maureen_36 Start: 26752, Stop: 26994, Start Num: 79
Candidate Starts for Maureen_36:
(Start: 79 @26752 has 3 MA's), (Start: 125 @26803 has 1 MA's), (175, 26911),

Gene: Maxxinista_38 Start: 32602, Stop: 32847, Start Num: 105

Candidate Starts for Maxxinista_38:
(Start: 105 @32602 has 178 MA's), (Start: 127 @32659 has 3 MA's), (138, 32692), (140, 32698), (170, 32752), (178, 32764),

Gene: Mazun_9 Start: 6131, Stop: 5775, Start Num: 100
Candidate Starts for Mazun_9:
(Start: 100 @6131 has 66 MA's), (Start: 117 @6092 has 2 MA's), (124, 6077), (148, 5981), (194, 5864), (211, 5825),

Gene: Mbo4_60 Start: 42893, Stop: 43174, Start Num: 105
Candidate Starts for Mbo4_60:
(4, 42125), (Start: 105 @42893 has 178 MA's), (Start: 117 @42926 has 2 MA's),

Gene: MegTheThird_57 Start: 38030, Stop: 37758, Start Num: 69
Candidate Starts for MegTheThird_57:
(Start: 69 @38030 has 94 MA's), (Start: 100 @38021 has 66 MA's), (137, 37928), (160, 37880), (170, 37862),

Gene: MiaZeal_51 Start: 40623, Stop: 40862, Start Num: 110
Candidate Starts for MiaZeal_51:
(Start: 110 @40623 has 9 MA's), (Start: 118 @40650 has 1 MA's), (138, 40704), (139, 40707), (173, 40764), (191, 40800),

Gene: MiamiPanther_9 Start: 6219, Stop: 5899, Start Num: 100
Candidate Starts for MiamiPanther_9:
(Start: 100 @6219 has 66 MA's), (122, 6168), (124, 6165), (177, 6000), (211, 5931),

Gene: Miko_55 Start: 38578, Stop: 38306, Start Num: 69
Candidate Starts for Miko_55:
(22, 38779), (Start: 69 @38578 has 94 MA's), (Start: 110 @38551 has 9 MA's), (160, 38428), (178, 38398),

Gene: Miley16_32 Start: 28422, Stop: 28688, Start Num: 104
Candidate Starts for Miley16_32:
(Start: 104 @28422 has 73 MA's), (Start: 120 @28467 has 8 MA's), (139, 28518), (180, 28584), (216, 28656), (221, 28677),

Gene: Mindy_37 Start: 32913, Stop: 33158, Start Num: 105
Candidate Starts for Mindy_37:
(Start: 105 @32913 has 178 MA's), (Start: 127 @32970 has 3 MA's), (138, 33003), (140, 33009), (165, 33057), (170, 33063), (178, 33075),

Gene: MinecraftSteve_64 Start: 37679, Stop: 37410, Start Num: 94
Candidate Starts for MinecraftSteve_64:
(Start: 94 @37679 has 23 MA's), (178, 37502),

Gene: Minerva_58 Start: 45548, Stop: 45796, Start Num: 105
Candidate Starts for Minerva_58:
(Start: 105 @45548 has 178 MA's), (162, 45680),

Gene: MiniLon_31 Start: 28548, Stop: 28814, Start Num: 104
Candidate Starts for MiniLon_31:
(Start: 104 @28548 has 73 MA's), (Start: 110 @28560 has 9 MA's), (Start: 120 @28593 has 8 MA's),

Gene: MiniMac_31 Start: 28549, Stop: 28815, Start Num: 104
Candidate Starts for MiniMac_31:
(Start: 104 @28549 has 73 MA's), (Start: 110 @28561 has 9 MA's), (Start: 120 @28594 has 8 MA's),

Gene: MiniMommy_38 Start: 26464, Stop: 26751, Start Num: 98
Candidate Starts for MiniMommy_38:
(Start: 98 @26464 has 21 MA's), (182, 26656),

Gene: Minispark_57 Start: 37983, Stop: 37711, Start Num: 69
Candidate Starts for Minispark_57:
(Start: 69 @37983 has 94 MA's), (Start: 100 @37974 has 66 MA's), (Start: 125 @37917 has 1 MA's), (137, 37881), (160, 37833),

Gene: Miniwave_37 Start: 33332, Stop: 33577, Start Num: 105
Candidate Starts for Miniwave_37:
(Start: 105 @33332 has 178 MA's), (Start: 127 @33389 has 3 MA's), (138, 33422), (140, 33428), (170, 33482), (178, 33494),

Gene: Mireles_3 Start: 895, Stop: 1137, Start Num: 97
Candidate Starts for Mireles_3:
(97, 895),

Gene: Misfit_37 Start: 33222, Stop: 33467, Start Num: 105
Candidate Starts for Misfit_37:
(Start: 105 @33222 has 178 MA's), (Start: 127 @33279 has 3 MA's), (138, 33312), (140, 33318), (170, 33372), (178, 33384),

Gene: Miskis_120 Start: 71060, Stop: 71353, Start Num: 92
Candidate Starts for Miskis_120:
(Start: 92 @71060 has 48 MA's), (Start: 117 @71108 has 2 MA's), (173, 71237),

Gene: MissAmericana_7 Start: 5312, Stop: 5025, Start Num: 105
Candidate Starts for MissAmericana_7:
(Start: 105 @5312 has 178 MA's), (162, 5159), (199, 5072),

Gene: MissSwiss_32 Start: 23153, Stop: 23398, Start Num: 93
Candidate Starts for MissSwiss_32:
(Start: 93 @23153 has 4 MA's), (122, 23198), (175, 23312),

Gene: MissWhite_57 Start: 36925, Stop: 36653, Start Num: 69
Candidate Starts for MissWhite_57:
(Start: 69 @36925 has 94 MA's), (Start: 100 @36916 has 66 MA's), (Start: 110 @36898 has 9 MA's), (178, 36745),

Gene: MkaliMitinis3_32 Start: 28422, Stop: 28688, Start Num: 104
Candidate Starts for MkaliMitinis3_32:
(Start: 104 @28422 has 73 MA's), (Start: 120 @28467 has 8 MA's), (139, 28518), (180, 28584), (216, 28656), (221, 28677),

Gene: Moldemort_38 Start: 32877, Stop: 33122, Start Num: 105
Candidate Starts for Moldemort_38:

(Start: 105 @32877 has 178 MA's), (Start: 127 @32934 has 3 MA's), (138, 32967), (140, 32973), (170, 33027), (178, 33039),

Gene: Moleficent_9 Start: 6125, Stop: 5769, Start Num: 100
Candidate Starts for Moleficent_9:
(Start: 100 @6125 has 66 MA's), (Start: 117 @6086 has 2 MA's), (124, 6071), (148, 5975), (190, 5867), (194, 5858), (211, 5819),

Gene: MollyToe_37 Start: 33306, Stop: 33551, Start Num: 105
Candidate Starts for MollyToe_37:
(Start: 105 @33306 has 178 MA's), (Start: 127 @33363 has 3 MA's), (138, 33396), (140, 33402), (170, 33456), (178, 33468),

Gene: Mollymur_85 Start: 58104, Stop: 57838, Start Num: 92
Candidate Starts for Mollymur_85:
(Start: 92 @58104 has 48 MA's), (168, 57939), (175, 57924), (201, 57873),

Gene: MontyDev_40 Start: 36039, Stop: 36284, Start Num: 96
Candidate Starts for MontyDev_40:
(70, 35997), (Start: 96 @36039 has 9 MA's), (Start: 110 @36060 has 9 MA's), (Start: 117 @36081 has 2 MA's), (Start: 127 @36105 has 3 MA's), (129, 36108), (176, 36207), (179, 36210), (181, 36213), (211, 36264),

Gene: Moostard_31 Start: 28832, Stop: 29053, Start Num: 120
Candidate Starts for Moostard_31:
(Start: 104 @28787 has 73 MA's), (Start: 110 @28799 has 9 MA's), (Start: 120 @28832 has 8 MA's),

Gene: Morrill_9 Start: 6080, Stop: 5724, Start Num: 100
Candidate Starts for Morrill_9:
(Start: 100 @6080 has 66 MA's), (Start: 117 @6041 has 2 MA's), (124, 6026), (194, 5813), (211, 5774),

Gene: Mosby_36 Start: 32639, Stop: 32884, Start Num: 105
Candidate Starts for Mosby_36:
(Start: 105 @32639 has 178 MA's), (Start: 127 @32696 has 3 MA's), (138, 32729), (140, 32735), (165, 32783), (170, 32789), (178, 32801),

Gene: Moss_31 Start: 22585, Stop: 22851, Start Num: 98
Candidate Starts for Moss_31:
(Start: 98 @22585 has 21 MA's), (Start: 108 @22600 has 16 MA's), (131, 22663), (186, 22783),

Gene: MsGreen_31 Start: 28784, Stop: 29050, Start Num: 104
Candidate Starts for MsGreen_31:
(Start: 104 @28784 has 73 MA's), (Start: 110 @28796 has 9 MA's), (Start: 120 @28829 has 8 MA's),

Gene: Mudpuppy_32 Start: 24535, Stop: 24777, Start Num: 88
Candidate Starts for Mudpuppy_32:
(18, 24277), (23, 24313), (Start: 88 @24535 has 5 MA's), (175, 24694),

Gene: Mulciber_57 Start: 37323, Stop: 37051, Start Num: 92
Candidate Starts for Mulciber_57:
(Start: 92 @37323 has 48 MA's), (Start: 100 @37314 has 66 MA's), (178, 37143),

Gene: Munch_58 Start: 37786, Stop: 37514, Start Num: 92

Candidate Starts for Munch_58:
(Start: 92 @37786 has 48 MA's), (Start: 100 @37777 has 66 MA's), (178, 37606),

Gene: Murica_36 Start: 33119, Stop: 33364, Start Num: 105
Candidate Starts for Murica_36:
(Start: 105 @33119 has 178 MA's), (Start: 127 @33176 has 3 MA's), (138, 33209), (140, 33215), (170, 33269), (178, 33281),

Gene: Murphy_38 Start: 33114, Stop: 33359, Start Num: 105
Candidate Starts for Murphy_38:
(Start: 105 @33114 has 178 MA's), (Start: 127 @33171 has 3 MA's), (138, 33204), (140, 33210), (170, 33264), (178, 33276),

Gene: Music_39 Start: 33258, Stop: 33593, Start Num: 80
Candidate Starts for Music_39:
(Start: 80 @33258 has 3 MA's), (Start: 91 @33273 has 3 MA's), (177, 33486), (178, 33489), (210, 33564),

Gene: Myrale_37 Start: 32998, Stop: 33243, Start Num: 105
Candidate Starts for Myrale_37:
(Start: 105 @32998 has 178 MA's), (Start: 127 @33055 has 3 MA's), (138, 33088), (140, 33094), (170, 33148), (178, 33160),

Gene: Myrna_77 Start: 30774, Stop: 31019, Start Num: 105
Candidate Starts for Myrna_77:
(Start: 105 @30774 has 178 MA's), (156, 30900),

Gene: Mysterium_31 Start: 22590, Stop: 22856, Start Num: 98
Candidate Starts for Mysterium_31:
(Start: 98 @22590 has 21 MA's), (Start: 108 @22605 has 16 MA's), (131, 22668), (186, 22788),

Gene: Myxus_58 Start: 38225, Stop: 37953, Start Num: 69
Candidate Starts for Myxus_58:
(Start: 69 @38225 has 94 MA's), (Start: 100 @38216 has 66 MA's), (Start: 125 @38159 has 1 MA's), (137, 38123), (156, 38084), (170, 38057), (178, 38045),

Gene: Naiad_45 Start: 34311, Stop: 34015, Start Num: 95
Candidate Starts for Naiad_45:
(Start: 95 @34311 has 44 MA's), (Start: 108 @34293 has 16 MA's), (Start: 110 @34287 has 9 MA's), (157, 34170), (175, 34137), (180, 34131), (207, 34071), (222, 34023),

Gene: Naji_60 Start: 38269, Stop: 37997, Start Num: 69
Candidate Starts for Naji_60:
(Start: 69 @38269 has 94 MA's), (Start: 100 @38260 has 66 MA's), (137, 38167), (178, 38089), (201, 38035),

Gene: Nala_37 Start: 33153, Stop: 33398, Start Num: 105
Candidate Starts for Nala_37:
(Start: 105 @33153 has 178 MA's), (Start: 127 @33210 has 3 MA's), (138, 33243), (140, 33249), (170, 33303), (178, 33315),

Gene: Nancinator_46 Start: 34231, Stop: 33935, Start Num: 95
Candidate Starts for Nancinator_46:

(Start: 95 @34231 has 44 MA's), (Start: 108 @34213 has 16 MA's), (Start: 110 @34207 has 9 MA's), (157, 34090), (175, 34057), (180, 34051), (207, 33991), (222, 33943),

Gene: Natosaleda_45 Start: 34230, Stop: 33934, Start Num: 95
Candidate Starts for Natosaleda_45:
(Start: 95 @34230 has 44 MA's), (Start: 108 @34212 has 16 MA's), (Start: 110 @34206 has 9 MA's), (157, 34089), (175, 34056), (180, 34050), (207, 33990), (222, 33942),

Gene: Nebulosus_62 Start: 37439, Stop: 37170, Start Num: 94
Candidate Starts for Nebulosus_62:
(5, 37883), (10, 37859), (12, 37781), (Start: 94 @37439 has 23 MA's), (178, 37262), (195, 37223),

Gene: Nedarya_60 Start: 37419, Stop: 37150, Start Num: 76
Candidate Starts for Nedarya_60:
(10, 37842), (Start: 76 @37419 has 1 MA's), (Start: 100 @37410 has 66 MA's), (Start: 110 @37392 has 9 MA's), (178, 37239),

Gene: Nekros_50 Start: 43030, Stop: 43269, Start Num: 110
Candidate Starts for Nekros_50:
(Start: 110 @43030 has 9 MA's), (Start: 118 @43057 has 1 MA's), (138, 43111), (139, 43114), (173, 43171), (191, 43207),

Gene: NelitzaMV_37 Start: 33203, Stop: 33448, Start Num: 105
Candidate Starts for NelitzaMV_37:
(Start: 105 @33203 has 178 MA's), (Start: 127 @33260 has 3 MA's), (138, 33293), (140, 33299), (170, 33353), (178, 33365),

Gene: Netyap_32 Start: 28422, Stop: 28688, Start Num: 104
Candidate Starts for Netyap_32:
(Start: 104 @28422 has 73 MA's), (Start: 120 @28467 has 8 MA's), (139, 28518), (180, 28584), (216, 28656), (221, 28677),

Gene: Neuvillette_3 Start: 977, Stop: 1246, Start Num: 101
Candidate Starts for Neuvillette_3:
(Start: 101 @977 has 1 MA's),

Gene: Nibley_46 Start: 39034, Stop: 39279, Start Num: 105
Candidate Starts for Nibley_46:
(Start: 105 @39034 has 178 MA's), (129, 39097), (138, 39127), (139, 39130), (175, 39190), (178, 39193), (180, 39196),

Gene: Nicholas_31 Start: 28784, Stop: 29050, Start Num: 104
Candidate Starts for Nicholas_31:
(Start: 104 @28784 has 73 MA's), (Start: 110 @28796 has 9 MA's), (Start: 120 @28829 has 8 MA's),

Gene: Nicholasp3_32 Start: 28424, Stop: 28690, Start Num: 104
Candidate Starts for Nicholasp3_32:
(Start: 104 @28424 has 73 MA's), (Start: 120 @28469 has 8 MA's), (139, 28520), (180, 28586), (216, 28658), (221, 28679),

Gene: NihilNomen_51 Start: 44218, Stop: 44466, Start Num: 105
Candidate Starts for NihilNomen_51:
(Start: 105 @44218 has 178 MA's), (162, 44350),

Gene: Nilo_41 Start: 36395, Stop: 36640, Start Num: 96
Candidate Starts for Nilo_41:
(70, 36353), (Start: 96 @36395 has 9 MA's), (Start: 110 @36416 has 9 MA's), (Start: 117 @36437 has 2 MA's), (129, 36464), (176, 36563), (179, 36566), (181, 36569), (211, 36620),

Gene: Nimrod_37 Start: 33377, Stop: 33622, Start Num: 105
Candidate Starts for Nimrod_37:
(Start: 105 @33377 has 178 MA's), (Start: 127 @33434 has 3 MA's), (138, 33467), (140, 33473), (170, 33527), (178, 33539),

Gene: Niobe_34 Start: 26608, Stop: 26865, Start Num: 90
Candidate Starts for Niobe_34:
(18, 26371), (19, 26380), (Start: 90 @26608 has 7 MA's), (122, 26656), (177, 26773),

Gene: Nitro_33 Start: 25923, Stop: 26186, Start Num: 87
Candidate Starts for Nitro_33:
(Start: 87 @25923 has 28 MA's), (175, 26103),

Gene: NoSleep_38 Start: 32874, Stop: 33119, Start Num: 105
Candidate Starts for NoSleep_38:
(Start: 105 @32874 has 178 MA's), (Start: 127 @32931 has 3 MA's), (138, 32964), (140, 32970), (170, 33024), (178, 33036),

Gene: NonchalantPear_37 Start: 32827, Stop: 33072, Start Num: 105
Candidate Starts for NonchalantPear_37:
(Start: 105 @32827 has 178 MA's), (Start: 127 @32884 has 3 MA's), (138, 32917), (140, 32923), (170, 32977), (178, 32989),

Gene: Norvs_124 Start: 71047, Stop: 71340, Start Num: 92
Candidate Starts for Norvs_124:
(Start: 92 @71047 has 48 MA's), (Start: 117 @71095 has 2 MA's), (173, 71224),

Gene: NothingSpecial_56 Start: 38807, Stop: 38535, Start Num: 69
Candidate Starts for NothingSpecial_56:
(Start: 69 @38807 has 94 MA's), (Start: 108 @38786 has 16 MA's), (Start: 110 @38780 has 9 MA's), (124, 38744), (138, 38702), (147, 38693), (160, 38657), (178, 38627), (183, 38618), (184, 38615),

Gene: Oatly_9 Start: 6310, Stop: 5987, Start Num: 100
Candidate Starts for Oatly_9:
(27, 6478), (32, 6460), (41, 6427), (Start: 100 @6310 has 66 MA's), (122, 6259), (129, 6244), (139, 6196), (178, 6088), (202, 6040), (211, 6022),

Gene: ObiToo_36 Start: 25276, Stop: 25518, Start Num: 88
Candidate Starts for ObiToo_36:
(18, 25018), (23, 25054), (Start: 88 @25276 has 5 MA's),

Gene: Odette_52 Start: 43439, Stop: 43684, Start Num: 105
Candidate Starts for Odette_52:
(Start: 105 @43439 has 178 MA's), (129, 43502), (138, 43532), (139, 43535), (175, 43595), (178, 43598), (180, 43601),

Gene: Odin_56 Start: 37328, Stop: 37056, Start Num: 69

Candidate Starts for Odin_56:
(Start: 69 @37328 has 94 MA's), (Start: 110 @37301 has 9 MA's), (160, 37178), (165, 37166),

Gene: OhShagHennessy_30 Start: 27655, Stop: 27924, Start Num: 104
Candidate Starts for OhShagHennessy_30:
(Start: 104 @27655 has 73 MA's), (Start: 120 @27700 has 8 MA's), (173, 27808),

Gene: Omega_56 Start: 45262, Stop: 45501, Start Num: 110
Candidate Starts for Omega_56:
(Start: 110 @45262 has 9 MA's), (Start: 118 @45289 has 1 MA's), (138, 45343), (139, 45346), (173, 45403), (191, 45439),

Gene: OneUp_110 Start: 69312, Stop: 69614, Start Num: 85
Candidate Starts for OneUp_110:
(Start: 85 @69312 has 2 MA's), (Start: 95 @69324 has 44 MA's), (171, 69492),

Gene: Onglai_56 Start: 36566, Stop: 36294, Start Num: 69
Candidate Starts for Onglai_56:
(Start: 69 @36566 has 94 MA's), (Start: 100 @36557 has 66 MA's), (Start: 125 @36500 has 1 MA's), (137, 36464), (156, 36425), (170, 36398), (178, 36386),

Gene: Onyinye_53 Start: 39601, Stop: 39356, Start Num: 105
Candidate Starts for Onyinye_53:
(Start: 105 @39601 has 178 MA's), (129, 39541), (137, 39514), (157, 39475), (170, 39451), (173, 39445), (178, 39439), (188, 39415),

Gene: Oofda_65 Start: 37642, Stop: 37373, Start Num: 94
Candidate Starts for Oofda_65:
(Start: 94 @37642 has 23 MA's), (178, 37465),

Gene: Optimus_57 Start: 45133, Stop: 45381, Start Num: 105
Candidate Starts for Optimus_57:
(Start: 105 @45133 has 178 MA's), (162, 45265),

Gene: Orange_57 Start: 37335, Stop: 37063, Start Num: 92
Candidate Starts for Orange_57:
(Start: 92 @37335 has 48 MA's), (Start: 100 @37326 has 66 MA's), (178, 37155),

Gene: OrionPax_38 Start: 32880, Stop: 33125, Start Num: 105
Candidate Starts for OrionPax_38:
(Start: 105 @32880 has 178 MA's), (Start: 127 @32937 has 3 MA's), (138, 32970), (140, 32976), (170, 33030), (178, 33042),

Gene: Orkz_49 Start: 32713, Stop: 32997, Start Num: 106
Candidate Starts for Orkz_49:
(18, 32434), (Start: 91 @32695 has 3 MA's), (Start: 106 @32713 has 12 MA's), (140, 32821), (190, 32926), (203, 32956),

Gene: OverPar_33 Start: 28499, Stop: 28720, Start Num: 120
Candidate Starts for OverPar_33:
(Start: 104 @28454 has 73 MA's), (Start: 120 @28499 has 8 MA's), (139, 28550), (180, 28616), (216, 28688), (221, 28709),

Gene: P1201_68 Start: 51515, Stop: 51231, Start Num: 100
Candidate Starts for P1201_68:
(Start: 100 @51515 has 66 MA's), (124, 51455), (208, 51260),

Gene: PYPDinur_30 Start: 27624, Stop: 27842, Start Num: 120
Candidate Starts for PYPDinur_30:
(Start: 104 @27579 has 73 MA's), (Start: 120 @27624 has 8 MA's), (178, 27738),

Gene: Pabst_9 Start: 6171, Stop: 5848, Start Num: 100
Candidate Starts for Pabst_9:
(67, 6219), (Start: 100 @6171 has 66 MA's), (Start: 117 @6132 has 2 MA's), (122, 6120), (178, 5949), (190, 5916), (211, 5883), (218, 5865),

Gene: PackMan_57 Start: 38225, Stop: 37953, Start Num: 69
Candidate Starts for PackMan_57:
(Start: 69 @38225 has 94 MA's), (Start: 100 @38216 has 66 MA's), (Start: 125 @38159 has 1 MA's), (137, 38123), (156, 38084), (170, 38057), (178, 38045),

Gene: PaddyBaddy_38 Start: 32890, Stop: 33135, Start Num: 105
Candidate Starts for PaddyBaddy_38:
(Start: 105 @32890 has 178 MA's), (Start: 127 @32947 has 3 MA's), (138, 32980), (140, 32986), (170, 33040), (178, 33052),

Gene: PainterBoy_59 Start: 38298, Stop: 38026, Start Num: 92
Candidate Starts for PainterBoy_59:
(53, 38367), (Start: 92 @38298 has 48 MA's), (Start: 100 @38289 has 66 MA's), (137, 38196), (160, 38148), (170, 38130), (178, 38118),

Gene: Palpatine_37 Start: 33149, Stop: 33394, Start Num: 105
Candidate Starts for Palpatine_37:
(Start: 105 @33149 has 178 MA's), (Start: 127 @33206 has 3 MA's), (138, 33239), (140, 33245), (170, 33299), (178, 33311),

Gene: Panchaali_104 Start: 83918, Stop: 84178, Start Num: 105
Candidate Starts for Panchaali_104:
(Start: 105 @83918 has 178 MA's), (202, 84137),

Gene: Paperbeatsrock_39 Start: 34115, Stop: 34360, Start Num: 105
Candidate Starts for Paperbeatsrock_39:
(Start: 105 @34115 has 178 MA's), (Start: 127 @34172 has 3 MA's), (138, 34205), (140, 34211), (170, 34265), (178, 34277),

Gene: Papyrus_40 Start: 36054, Stop: 36299, Start Num: 96
Candidate Starts for Papyrus_40:
(70, 36012), (Start: 96 @36054 has 9 MA's), (Start: 110 @36075 has 9 MA's), (Start: 117 @36096 has 2 MA's), (Start: 127 @36120 has 3 MA's), (129, 36123), (176, 36222), (179, 36225), (181, 36228),

Gene: Partridge_45 Start: 34587, Stop: 34291, Start Num: 95
Candidate Starts for Partridge_45:
(Start: 95 @34587 has 44 MA's), (Start: 110 @34563 has 9 MA's), (156, 34449), (157, 34446), (175, 34413), (180, 34407), (207, 34347), (222, 34299),

Gene: Pat3_36 Start: 31861, Stop: 32106, Start Num: 105

Candidate Starts for Pat3_36:
(Start: 105 @31861 has 178 MA's), (Start: 127 @31918 has 3 MA's), (138, 31951), (140, 31957), (165, 32005), (170, 32011), (178, 32023),

Gene: PauloDiaboli_20 Start: 7036, Stop: 7266, Start Num: 108
Candidate Starts for PauloDiaboli_20:
(Start: 108 @7036 has 16 MA's), (133, 7108), (154, 7150), (197, 7237), (206, 7255),

Gene: PauloDiaboli_218 Start: 116530, Stop: 116276, Start Num: 105
Candidate Starts for PauloDiaboli_218:
(Start: 105 @116530 has 178 MA's), (153, 116416), (165, 116389),

Gene: PauloDiaboli_375 Start: 183665, Stop: 183895, Start Num: 108
Candidate Starts for PauloDiaboli_375:
(Start: 108 @183665 has 16 MA's), (133, 183737), (154, 183779), (197, 183866), (206, 183884),

Gene: Percival_43 Start: 28266, Stop: 28523, Start Num: 100
Candidate Starts for Percival_43:
(36, 28155), (38, 28158), (Start: 100 @28266 has 66 MA's), (122, 28320), (175, 28446), (184, 28458), (192, 28470),

Gene: Petersenfast_56 Start: 37334, Stop: 37062, Start Num: 92
Candidate Starts for Petersenfast_56:
(Start: 92 @37334 has 48 MA's), (Start: 100 @37325 has 66 MA's), (178, 37154),

Gene: PeteyPab_51 Start: 43958, Stop: 43662, Start Num: 100
Candidate Starts for PeteyPab_51:
(Start: 100 @43958 has 66 MA's), (124, 43895), (165, 43781), (173, 43769), (190, 43736), (219, 43667),

Gene: Petra64142_39 Start: 33595, Stop: 33840, Start Num: 105
Candidate Starts for Petra64142_39:
(Start: 105 @33595 has 178 MA's), (Start: 127 @33652 has 3 MA's), (138, 33685), (140, 33691), (170, 33745), (178, 33757),

Gene: Ph8s_59 Start: 37685, Stop: 37413, Start Num: 69
Candidate Starts for Ph8s_59:
(Start: 69 @37685 has 94 MA's), (124, 37622), (140, 37574), (160, 37535), (165, 37523), (178, 37505),

Gene: Phabba_83 Start: 30849, Stop: 31100, Start Num: 105
Candidate Starts for Phabba_83:
(Start: 105 @30849 has 178 MA's), (123, 30894), (156, 30975),

Gene: Phaeder_58 Start: 38225, Stop: 37953, Start Num: 69
Candidate Starts for Phaeder_58:
(Start: 69 @38225 has 94 MA's), (Start: 100 @38216 has 66 MA's), (Start: 125 @38159 has 1 MA's), (137, 38123), (156, 38084), (170, 38057), (178, 38045),

Gene: PhailMary_45 Start: 34620, Stop: 34324, Start Num: 95
Candidate Starts for PhailMary_45:
(Start: 95 @34620 has 44 MA's), (Start: 108 @34602 has 16 MA's), (Start: 110 @34596 has 9 MA's), (129, 34548), (157, 34479), (175, 34446), (180, 34440), (207, 34380), (222, 34332),

Gene: Phaja_37 Start: 33368, Stop: 33556, Start Num: 127
Candidate Starts for Phaja_37:
(Start: 105 @33311 has 178 MA's), (Start: 127 @33368 has 3 MA's), (138, 33401), (140, 33407), (170, 33461), (178, 33473),

Gene: Pharaoh_53 Start: 38271, Stop: 37999, Start Num: 69
Candidate Starts for Pharaoh_53:
(22, 38472), (Start: 69 @38271 has 94 MA's), (Start: 100 @38262 has 66 MA's), (Start: 108 @38250 has 16 MA's), (124, 38208), (137, 38169), (160, 38121), (170, 38103), (178, 38091), (183, 38082),

Gene: Pharky_9 Start: 6092, Stop: 5736, Start Num: 100
Candidate Starts for Pharky_9:
(Start: 100 @6092 has 66 MA's), (Start: 117 @6053 has 2 MA's), (124, 6038), (146, 5951), (148, 5942), (190, 5834), (194, 5825), (211, 5786),

Gene: Pharsalus_38 Start: 33915, Stop: 34160, Start Num: 105
Candidate Starts for Pharsalus_38:
(Start: 105 @33915 has 178 MA's), (Start: 127 @33972 has 3 MA's), (138, 34005), (140, 34011), (170, 34065), (178, 34077),

Gene: PhatBacter_37 Start: 33163, Stop: 33408, Start Num: 105
Candidate Starts for PhatBacter_37:
(Start: 105 @33163 has 178 MA's), (Start: 127 @33220 has 3 MA's), (138, 33253), (140, 33259), (170, 33313), (178, 33325),

Gene: Phaux_36 Start: 33161, Stop: 33406, Start Num: 105
Candidate Starts for Phaux_36:
(Start: 105 @33161 has 178 MA's), (Start: 127 @33218 has 3 MA's), (138, 33251), (140, 33257), (170, 33311), (178, 33323),

Gene: Phedro_9 Start: 6092, Stop: 5736, Start Num: 100
Candidate Starts for Phedro_9:
(Start: 100 @6092 has 66 MA's), (Start: 117 @6053 has 2 MA's), (124, 6038), (146, 5951), (148, 5942), (190, 5834), (194, 5825), (211, 5786),

Gene: PhinkBoden_125 Start: 71915, Stop: 72205, Start Num: 95
Candidate Starts for PhinkBoden_125:
(45, 71807), (51, 71822), (66, 71867), (Start: 95 @71915 has 44 MA's), (Start: 117 @71960 has 2 MA's), (173, 72089),

Gene: Phives_35 Start: 26643, Stop: 26906, Start Num: 87
Candidate Starts for Phives_35:
(18, 26406), (20, 26415), (Start: 87 @26643 has 28 MA's),

Gene: Phlei_47 Start: 37907, Stop: 37635, Start Num: 92
Candidate Starts for Phlei_47:
(Start: 92 @37907 has 48 MA's), (Start: 100 @37898 has 66 MA's), (140, 37796), (160, 37757), (162, 37754), (201, 37673),

Gene: Phoebus_51 Start: 44419, Stop: 44667, Start Num: 105
Candidate Starts for Phoebus_51:
(Start: 105 @44419 has 178 MA's), (162, 44551),

Gene: Phogo_9 Start: 6365, Stop: 6045, Start Num: 100
Candidate Starts for Phogo_9:
(52, 6455), (Start: 100 @6365 has 66 MA's), (122, 6314), (129, 6299), (139, 6251), (190, 6110),

Gene: Phonnegut_58 Start: 38322, Stop: 38050, Start Num: 69
Candidate Starts for Phonnegut_58:
(Start: 69 @38322 has 94 MA's), (Start: 100 @38313 has 66 MA's), (Start: 125 @38256 has 1 MA's), (137, 38220), (156, 38181), (170, 38154), (178, 38142),

Gene: Phractured_9 Start: 6092, Stop: 5736, Start Num: 100
Candidate Starts for Phractured_9:
(Start: 100 @6092 has 66 MA's), (Start: 117 @6053 has 2 MA's), (124, 6038), (146, 5951), (148, 5942), (190, 5834), (194, 5825), (211, 5786),

Gene: Phrankenstein_46 Start: 34244, Stop: 33948, Start Num: 95
Candidate Starts for Phrankenstein_46:
(Start: 95 @34244 has 44 MA's), (Start: 108 @34226 has 16 MA's), (Start: 110 @34220 has 9 MA's), (157, 34103), (175, 34070), (180, 34064), (207, 34004), (222, 33956),

Gene: PhriedRice_9 Start: 6092, Stop: 5736, Start Num: 100
Candidate Starts for PhriedRice_9:
(Start: 100 @6092 has 66 MA's), (Start: 117 @6053 has 2 MA's), (124, 6038), (148, 5942), (190, 5834), (194, 5825), (211, 5786),

Gene: Phrux_37 Start: 32876, Stop: 33121, Start Num: 105
Candidate Starts for Phrux_37:
(Start: 105 @32876 has 178 MA's), (Start: 127 @32933 has 3 MA's), (138, 32966), (140, 32972), (170, 33026), (178, 33038),

Gene: PineapplePluto_10 Start: 6454, Stop: 6131, Start Num: 100
Candidate Starts for PineapplePluto_10:
(27, 6622), (41, 6571), (Start: 100 @6454 has 66 MA's), (122, 6403), (129, 6388), (139, 6340), (178, 6232), (202, 6184), (211, 6166),

Gene: Pioneer_58 Start: 38322, Stop: 38050, Start Num: 69
Candidate Starts for Pioneer_58:
(Start: 69 @38322 has 94 MA's), (Start: 100 @38313 has 66 MA's), (Start: 125 @38256 has 1 MA's), (137, 38220), (156, 38181), (170, 38154), (178, 38142),

Gene: Pippin15_52 Start: 34099, Stop: 34347, Start Num: 102
Candidate Starts for Pippin15_52:
(Start: 102 @34099 has 13 MA's), (Start: 110 @34114 has 9 MA's), (140, 34198), (173, 34258), (175, 34261), (180, 34267), (214, 34336),

Gene: Pitbull_58 Start: 33370, Stop: 33633, Start Num: 102
Candidate Starts for Pitbull_58:
(61, 33298), (Start: 102 @33370 has 13 MA's), (171, 33526), (173, 33532), (178, 33541), (201, 33598),

Gene: Pixelle_33 Start: 26398, Stop: 26640, Start Num: 88
Candidate Starts for Pixelle_33:
(Start: 88 @26398 has 5 MA's),

Gene: Policronamos_37 Start: 33161, Stop: 33406, Start Num: 105

Candidate Starts for Policronamos_37:
(Start: 105 @33161 has 178 MA's), (Start: 127 @33218 has 3 MA's), (138, 33251), (140, 33257), (170, 33311), (178, 33323),

Gene: Pomar16_60 Start: 38309, Stop: 38037, Start Num: 69
Candidate Starts for Pomar16_60:
(Start: 69 @38309 has 94 MA's), (Start: 100 @38300 has 66 MA's), (137, 38207), (178, 38129), (201, 38075),

Gene: Poochiewood_30 Start: 27690, Stop: 27959, Start Num: 104
Candidate Starts for Poochiewood_30:
(Start: 104 @27690 has 73 MA's), (Start: 120 @27735 has 8 MA's),

Gene: Porcelain_50 Start: 40623, Stop: 40862, Start Num: 110
Candidate Starts for Porcelain_50:
(Start: 110 @40623 has 9 MA's), (Start: 118 @40650 has 1 MA's), (138, 40704), (139, 40707), (173, 40764), (191, 40800),

Gene: Porky_37 Start: 32972, Stop: 33217, Start Num: 105
Candidate Starts for Porky_37:
(Start: 105 @32972 has 178 MA's), (Start: 127 @33029 has 3 MA's), (138, 33062), (140, 33068), (170, 33122), (178, 33134),

Gene: PotatoChip_52 Start: 43960, Stop: 43664, Start Num: 100
Candidate Starts for PotatoChip_52:
(Start: 100 @43960 has 66 MA's), (124, 43897), (165, 43783), (173, 43771), (190, 43738), (219, 43669),

Gene: Pound_54 Start: 45996, Stop: 46244, Start Num: 105
Candidate Starts for Pound_54:
(Start: 105 @45996 has 178 MA's), (162, 46128),

Gene: Power_57 Start: 38477, Stop: 38205, Start Num: 69
Candidate Starts for Power_57:
(Start: 69 @38477 has 94 MA's), (Start: 100 @38468 has 66 MA's), (Start: 108 @38456 has 16 MA's), (Start: 110 @38450 has 9 MA's), (160, 38327),

Gene: Powerpuff_35 Start: 25868, Stop: 26110, Start Num: 87
Candidate Starts for Powerpuff_35:
(Start: 87 @25868 has 28 MA's), (175, 26027),

Gene: Priya_58 Start: 38292, Stop: 38020, Start Num: 69
Candidate Starts for Priya_58:
(Start: 69 @38292 has 94 MA's), (Start: 100 @38283 has 66 MA's), (Start: 125 @38226 has 1 MA's), (137, 38190), (156, 38151), (170, 38124), (178, 38112),

Gene: Ptowny_38 Start: 32517, Stop: 32762, Start Num: 105
Candidate Starts for Ptowny_38:
(Start: 105 @32517 has 178 MA's), (Start: 127 @32574 has 3 MA's), (138, 32607), (140, 32613), (170, 32667), (178, 32679),

Gene: Pumpernickel_201 Start: 115898, Stop: 115641, Start Num: 105
Candidate Starts for Pumpernickel_201:

(Start: 105 @115898 has 178 MA's), (165, 115754), (175, 115739),

Gene: Pumpkin_39 Start: 33212, Stop: 33457, Start Num: 105
Candidate Starts for Pumpkin_39:
(Start: 105 @33212 has 178 MA's), (Start: 127 @33269 has 3 MA's), (138, 33302), (140, 33308), (170, 33362), (178, 33374),

Gene: Pumpkins_33 Start: 25496, Stop: 25762, Start Num: 87
Candidate Starts for Pumpkins_33:
(Start: 87 @25496 has 28 MA's), (175, 25679),

Gene: Pupper_77 Start: 28936, Stop: 29202, Start Num: 105
Candidate Starts for Pupper_77:
(Start: 105 @28936 has 178 MA's), (Start: 120 @28984 has 8 MA's), (178, 29104), (208, 29164),

Gene: Qobbit_58 Start: 38254, Stop: 37982, Start Num: 69
Candidate Starts for Qobbit_58:
(Start: 69 @38254 has 94 MA's), (Start: 100 @38245 has 66 MA's), (Start: 125 @38188 has 1 MA's), (137, 38152), (156, 38113), (170, 38086), (178, 38074),

Gene: Quallification_38 Start: 33341, Stop: 33586, Start Num: 105
Candidate Starts for Quallification_38:
(Start: 105 @33341 has 178 MA's), (Start: 127 @33398 has 3 MA's), (138, 33431), (140, 33437), (170, 33491), (178, 33503),

Gene: Quby_30 Start: 27518, Stop: 27736, Start Num: 120
Candidate Starts for Quby_30:
(Start: 104 @27473 has 73 MA's), (Start: 120 @27518 has 8 MA's), (138, 27566), (178, 27632),

Gene: QueenB2_57 Start: 38455, Stop: 38183, Start Num: 69
Candidate Starts for QueenB2_57:
(Start: 69 @38455 has 94 MA's), (Start: 100 @38446 has 66 MA's), (Start: 108 @38434 has 16 MA's), (Start: 110 @38428 has 9 MA's), (160, 38305), (178, 38275),

Gene: QueenBeesly_58 Start: 38424, Stop: 38152, Start Num: 69
Candidate Starts for QueenBeesly_58:
(Start: 69 @38424 has 94 MA's), (Start: 100 @38415 has 66 MA's), (Start: 108 @38403 has 16 MA's), (Start: 110 @38397 has 9 MA's), (160, 38274),

Gene: Quokka_56 Start: 37421, Stop: 37149, Start Num: 92
Candidate Starts for Quokka_56:
(Start: 92 @37421 has 48 MA's), (Start: 108 @37400 has 16 MA's), (Start: 110 @37394 has 9 MA's), (160, 37271), (165, 37259),

Gene: RER2_39 Start: 31170, Stop: 30874, Start Num: 95
Candidate Starts for RER2_39:
(Start: 95 @31170 has 44 MA's), (Start: 108 @31152 has 16 MA's), (Start: 110 @31146 has 9 MA's), (157, 31029), (175, 30996), (180, 30990), (207, 30930), (222, 30882),

Gene: RGL3_40 Start: 32103, Stop: 31804, Start Num: 95
Candidate Starts for RGL3_40:
(31, 32253), (Start: 95 @32103 has 44 MA's), (Start: 108 @32085 has 16 MA's), (109, 32082), (156, 31965), (173, 31932), (175, 31929),

Gene: Rachaly_57 Start: 38723, Stop: 38451, Start Num: 69
Candidate Starts for Rachaly_57:
(Start: 69 @38723 has 94 MA's), (Start: 110 @38696 has 9 MA's), (160, 38573), (178, 38543),

Gene: Rahalelujah_58 Start: 37998, Stop: 37726, Start Num: 69
Candidate Starts for Rahalelujah_58:
(Start: 69 @37998 has 94 MA's), (Start: 100 @37989 has 66 MA's), (Start: 125 @37932 has 1 MA's), (137, 37896), (160, 37848),

Gene: Rakim_38 Start: 33241, Stop: 33486, Start Num: 105
Candidate Starts for Rakim_38:
(Start: 105 @33241 has 178 MA's), (Start: 127 @33298 has 3 MA's), (138, 33331), (140, 33337), (170, 33391), (178, 33403),

Gene: Rasputin_46 Start: 34268, Stop: 33972, Start Num: 95
Candidate Starts for Rasputin_46:
(Start: 95 @34268 has 44 MA's), (Start: 108 @34250 has 16 MA's), (Start: 110 @34244 has 9 MA's), (157, 34127), (175, 34094), (180, 34088), (207, 34028), (222, 33980),

Gene: Ravana_67 Start: 38767, Stop: 38498, Start Num: 94
Candidate Starts for Ravana_67:
(Start: 94 @38767 has 23 MA's), (178, 38590),

Gene: ReMo_62 Start: 37440, Stop: 37171, Start Num: 94
Candidate Starts for ReMo_62:
(5, 37884), (10, 37860), (12, 37782), (Start: 94 @37440 has 23 MA's), (178, 37263),

Gene: Rearden_46 Start: 40216, Stop: 40461, Start Num: 105
Candidate Starts for Rearden_46:
(Start: 105 @40216 has 178 MA's), (Start: 110 @40228 has 9 MA's), (162, 40348),

Gene: Red305_31 Start: 28796, Stop: 29050, Start Num: 110
Candidate Starts for Red305_31:
(Start: 104 @28784 has 73 MA's), (Start: 110 @28796 has 9 MA's), (Start: 120 @28829 has 8 MA's),

Gene: Redno2_50 Start: 41183, Stop: 41428, Start Num: 105
Candidate Starts for Redno2_50:
(Start: 105 @41183 has 178 MA's), (129, 41246), (138, 41276), (139, 41279), (175, 41339), (178, 41342), (180, 41345),

Gene: Reedo_32 Start: 23099, Stop: 23341, Start Num: 93
Candidate Starts for Reedo_32:
(13, 22766), (18, 22862), (20, 22871), (28, 22946), (Start: 93 @23099 has 4 MA's),

Gene: Refuge_56 Start: 39539, Stop: 39267, Start Num: 69
Candidate Starts for Refuge_56:
(57, 39569), (Start: 69 @39539 has 94 MA's), (137, 39437), (160, 39389), (170, 39371), (178, 39359),

Gene: ReginaGlobina_107 Start: 86858, Stop: 87121, Start Num: 105
Candidate Starts for ReginaGlobina_107:
(Start: 105 @86858 has 178 MA's), (190, 87047),

Gene: Remus_64 Start: 37446, Stop: 37177, Start Num: 94
Candidate Starts for Remus_64:
(5, 37890), (10, 37866), (12, 37788), (Start: 94 @37446 has 23 MA's), (178, 37269),

Gene: Retro23_59 Start: 38669, Stop: 38397, Start Num: 69
Candidate Starts for Retro23_59:
(Start: 69 @38669 has 94 MA's), (Start: 100 @38660 has 66 MA's), (Start: 108 @38648 has 16 MA's), (Start: 110 @38642 has 9 MA's), (160, 38519), (178, 38489),

Gene: RexFury_45 Start: 34329, Stop: 34033, Start Num: 95
Candidate Starts for RexFury_45:
(Start: 95 @34329 has 44 MA's), (Start: 108 @34311 has 16 MA's), (Start: 110 @34305 has 9 MA's), (157, 34188), (175, 34155), (180, 34149), (207, 34089), (222, 34041),

Gene: Rhodalysa_46 Start: 34298, Stop: 34002, Start Num: 95
Candidate Starts for Rhodalysa_46:
(Start: 95 @34298 has 44 MA's), (Start: 108 @34280 has 16 MA's), (Start: 110 @34274 has 9 MA's), (157, 34157), (175, 34124), (180, 34118), (207, 34058), (222, 34010),

Gene: RicoCaldo_9 Start: 6122, Stop: 5766, Start Num: 100
Candidate Starts for RicoCaldo_9:
(Start: 100 @6122 has 66 MA's), (Start: 117 @6083 has 2 MA's), (124, 6068), (148, 5972), (162, 5930), (190, 5864), (194, 5855), (211, 5816),

Gene: Rimmer_36 Start: 32701, Stop: 32946, Start Num: 105
Candidate Starts for Rimmer_36:
(Start: 105 @32701 has 178 MA's), (Start: 127 @32758 has 3 MA's), (138, 32791), (140, 32797), (170, 32851), (178, 32863),

Gene: Riparian_40 Start: 35856, Stop: 36101, Start Num: 96
Candidate Starts for Riparian_40:
(70, 35814), (Start: 96 @35856 has 9 MA's), (Start: 110 @35877 has 9 MA's), (Start: 117 @35898 has 2 MA's), (Start: 127 @35922 has 3 MA's), (129, 35925), (176, 36024), (179, 36027), (181, 36030),

Gene: RiverMonster_37 Start: 32890, Stop: 33135, Start Num: 105
Candidate Starts for RiverMonster_37:
(Start: 105 @32890 has 178 MA's), (Start: 127 @32947 has 3 MA's), (138, 32980), (140, 32986), (170, 33040), (178, 33052),

Gene: Roberts_3 Start: 977, Stop: 1246, Start Num: 101
Candidate Starts for Roberts_3:
(Start: 101 @977 has 1 MA's),

Gene: RockScotty_31 Start: 22561, Stop: 22827, Start Num: 98
Candidate Starts for RockScotty_31:
(Start: 98 @22561 has 21 MA's), (Start: 108 @22576 has 16 MA's), (131, 22639), (136, 22657), (186, 22759),

Gene: Ronaldo_118 Start: 57046, Stop: 57285, Start Num: 108
Candidate Starts for Ronaldo_118:
(Start: 108 @57046 has 16 MA's), (158, 57169), (195, 57241), (196, 57244),

Gene: Rope_40 Start: 36036, Stop: 36281, Start Num: 96

Candidate Starts for Rope_40:
(70, 35994), (Start: 96 @36036 has 9 MA's), (Start: 110 @36057 has 9 MA's), (Start: 117 @36078 has 2 MA's), (Start: 127 @36102 has 3 MA's), (129, 36105), (176, 36204), (179, 36207), (181, 36210),

Gene: Rosalind_62 Start: 37598, Stop: 37329, Start Num: 94
Candidate Starts for Rosalind_62:
(5, 38042), (10, 38018), (12, 37940), (Start: 94 @37598 has 23 MA's), (178, 37421),

Gene: Rose5_30 Start: 27690, Stop: 27959, Start Num: 104
Candidate Starts for Rose5_30:
(Start: 104 @27690 has 73 MA's), (Start: 120 @27735 has 8 MA's), (173, 27843),

Gene: RoseMarie_41 Start: 35246, Stop: 35443, Start Num: 129
Candidate Starts for RoseMarie_41:
(37, 35054), (Start: 82 @35165 has 1 MA's), (Start: 105 @35183 has 178 MA's), (122, 35231), (129, 35246), (138, 35276), (168, 35342), (177, 35351),

Gene: Rossetti_32 Start: 28739, Stop: 28960, Start Num: 120
Candidate Starts for Rossetti_32:
(Start: 104 @28694 has 73 MA's), (Start: 120 @28739 has 8 MA's), (180, 28856), (221, 28949),

Gene: Rumpelstiltskin_32 Start: 28735, Stop: 28956, Start Num: 120
Candidate Starts for Rumpelstiltskin_32:
(Start: 104 @28690 has 73 MA's), (Start: 120 @28735 has 8 MA's), (139, 28786), (180, 28852), (216, 28924), (221, 28945),

Gene: RyeScarlet_59 Start: 38297, Stop: 38025, Start Num: 69
Candidate Starts for RyeScarlet_59:
(Start: 69 @38297 has 94 MA's), (Start: 100 @38288 has 66 MA's), (Start: 125 @38231 has 1 MA's), (137, 38195), (156, 38156), (170, 38129), (178, 38117),

Gene: SCentae_76 Start: 28691, Stop: 28957, Start Num: 105
Candidate Starts for SCentae_76:
(Start: 105 @28691 has 178 MA's), (Start: 120 @28739 has 8 MA's), (178, 28859), (208, 28919),

Gene: Sabourin_31 Start: 22493, Stop: 22759, Start Num: 98
Candidate Starts for Sabourin_31:
(Start: 98 @22493 has 21 MA's), (Start: 105 @22502 has 178 MA's), (Start: 108 @22508 has 16 MA's), (131, 22571),

Gene: Sachima_55 Start: 38207, Stop: 37935, Start Num: 69
Candidate Starts for Sachima_55:
(Start: 69 @38207 has 94 MA's), (Start: 100 @38198 has 66 MA's), (Start: 125 @38141 has 1 MA's), (137, 38105), (156, 38066), (170, 38039), (178, 38027),

Gene: Saints25_38 Start: 32793, Stop: 33038, Start Num: 105
Candidate Starts for Saints25_38:
(Start: 105 @32793 has 178 MA's), (Start: 127 @32850 has 3 MA's), (138, 32883), (140, 32889), (170, 32943), (178, 32955),

Gene: Salvatore2000_9 Start: 6219, Stop: 5899, Start Num: 100
Candidate Starts for Salvatore2000_9:

(Start: 100 @6219 has 66 MA's), (Start: 117 @6180 has 2 MA's), (122, 6168), (124, 6165), (177, 6000), (211, 5931),

Gene: Salz_56 Start: 37305, Stop: 37033, Start Num: 92
Candidate Starts for Salz_56:
(Start: 92 @37305 has 48 MA's), (Start: 100 @37296 has 66 MA's), (178, 37125),

Gene: Samty_31 Start: 28787, Stop: 29053, Start Num: 104
Candidate Starts for Samty_31:
(Start: 104 @28787 has 73 MA's), (Start: 110 @28799 has 9 MA's), (Start: 120 @28832 has 8 MA's),

Gene: Sarshaun_32 Start: 28500, Stop: 28721, Start Num: 120
Candidate Starts for Sarshaun_32:
(Start: 104 @28455 has 73 MA's), (Start: 120 @28500 has 8 MA's), (139, 28551), (180, 28617), (216, 28689), (221, 28710),

Gene: Saskia_58 Start: 37333, Stop: 37061, Start Num: 92
Candidate Starts for Saskia_58:
(Start: 92 @37333 has 48 MA's), (Start: 100 @37324 has 66 MA's), (178, 37153),

Gene: Sassay_36 Start: 32639, Stop: 32884, Start Num: 105
Candidate Starts for Sassay_36:
(Start: 105 @32639 has 178 MA's), (Start: 127 @32696 has 3 MA's), (138, 32729), (140, 32735), (170, 32789), (178, 32801),

Gene: Schaffner_33 Start: 25723, Stop: 25989, Start Num: 87
Candidate Starts for Schaffner_33:
(18, 25465), (23, 25501), (Start: 87 @25723 has 28 MA's), (175, 25906),

Gene: Schatzie_49 Start: 43187, Stop: 43432, Start Num: 105
Candidate Starts for Schatzie_49:
(Start: 105 @43187 has 178 MA's), (129, 43250), (138, 43280), (139, 43283), (175, 43343), (178, 43346), (180, 43349),

Gene: Scherzo_58 Start: 38511, Stop: 38239, Start Num: 69
Candidate Starts for Scherzo_58:
(Start: 69 @38511 has 94 MA's), (Start: 100 @38502 has 66 MA's), (Start: 125 @38445 has 1 MA's), (137, 38409), (156, 38370), (170, 38343), (178, 38331),

Gene: Schmidt_57 Start: 36601, Stop: 36840, Start Num: 106
Candidate Starts for Schmidt_57:
(44, 36481), (Start: 106 @36601 has 12 MA's), (122, 36643), (129, 36658), (136, 36682), (140, 36694), (170, 36763), (175, 36772), (213, 36832),

Gene: ScoobyDoobyDoo_73 Start: 26882, Stop: 27106, Start Num: 106
Candidate Starts for ScoobyDoobyDoo_73:
(Start: 106 @26882 has 12 MA's), (126, 26933), (157, 27005), (165, 27023), (170, 27029), (173, 27035), (192, 27071),

Gene: SemperFi_59 Start: 38692, Stop: 38420, Start Num: 69
Candidate Starts for SemperFi_59:
(Start: 69 @38692 has 94 MA's), (Start: 100 @38683 has 66 MA's), (Start: 108 @38671 has 16 MA's), (Start: 110 @38665 has 9 MA's), (160, 38542),

Gene: Send513_40 Start: 36392, Stop: 36637, Start Num: 96
Candidate Starts for Send513_40:
(70, 36350), (Start: 96 @36392 has 9 MA's), (Start: 110 @36413 has 9 MA's), (Start: 117 @36434 has 2 MA's), (129, 36461), (176, 36560), (179, 36563), (181, 36566), (211, 36617),

Gene: Serenabean_52 Start: 34263, Stop: 34496, Start Num: 102
Candidate Starts for Serenabean_52:
(Start: 102 @34263 has 13 MA's), (129, 34326), (157, 34398),

Gene: Serenity_58 Start: 37628, Stop: 37356, Start Num: 92
Candidate Starts for Serenity_58:
(42, 37700), (48, 37688), (Start: 92 @37628 has 48 MA's), (Start: 108 @37607 has 16 MA's), (Start: 110 @37601 has 9 MA's), (160, 37478), (165, 37466),

Gene: Shaboozey_44 Start: 38020, Stop: 38232, Start Num: 118
Candidate Starts for Shaboozey_44:
(Start: 110 @37993 has 9 MA's), (Start: 118 @38020 has 1 MA's), (138, 38074), (139, 38077), (173, 38134), (191, 38170),

Gene: ShakeItOph_39 Start: 26463, Stop: 26750, Start Num: 98
Candidate Starts for ShakeItOph_39:
(Start: 98 @26463 has 21 MA's), (182, 26655),

Gene: Sham4_57 Start: 37333, Stop: 37061, Start Num: 92
Candidate Starts for Sham4_57:
(Start: 92 @37333 has 48 MA's), (Start: 100 @37324 has 66 MA's), (178, 37153),

Gene: ShamWow_37 Start: 33135, Stop: 33380, Start Num: 105
Candidate Starts for ShamWow_37:
(Start: 105 @33135 has 178 MA's), (Start: 127 @33192 has 3 MA's), (138, 33225), (140, 33231), (170, 33285), (178, 33297),

Gene: ShayRa_64 Start: 37627, Stop: 37358, Start Num: 94
Candidate Starts for ShayRa_64:
(5, 38071), (12, 37969), (Start: 94 @37627 has 23 MA's), (178, 37450),

Gene: Shayna_36 Start: 24764, Stop: 24994, Start Num: 108
Candidate Starts for Shayna_36:
(Start: 108 @24764 has 16 MA's), (124, 24809),

Gene: SheaKeira_56 Start: 37935, Stop: 37663, Start Num: 69
Candidate Starts for SheaKeira_56:
(Start: 69 @37935 has 94 MA's), (Start: 100 @37926 has 66 MA's), (Start: 108 @37914 has 16 MA's), (Start: 125 @37869 has 1 MA's), (137, 37833), (149, 37812), (160, 37785), (164, 37776), (173, 37761), (197, 37710), (208, 37689),

Gene: Sheng711_30 Start: 27624, Stop: 27842, Start Num: 120
Candidate Starts for Sheng711_30:
(Start: 104 @27579 has 73 MA's), (Start: 120 @27624 has 8 MA's), (178, 27738),

Gene: ShereKhan_39 Start: 34175, Stop: 34363, Start Num: 127
Candidate Starts for ShereKhan_39:

(Start: 105 @34118 has 178 MA's), (Start: 127 @34175 has 3 MA's), (138, 34208), (140, 34214), (170, 34268), (178, 34280),

Gene: Shuman_46 Start: 34243, Stop: 33947, Start Num: 95
Candidate Starts for Shuman_46:
(Start: 95 @34243 has 44 MA's), (Start: 108 @34225 has 16 MA's), (Start: 110 @34219 has 9 MA's), (157, 34102), (175, 34069), (180, 34063), (207, 34003), (222, 33955),

Gene: Shweta_51 Start: 35498, Stop: 35743, Start Num: 93
Candidate Starts for Shweta_51:
(Start: 93 @35498 has 4 MA's), (109, 35510), (111, 35516), (134, 35582), (157, 35627), (175, 35657),

Gene: ShyRosie_9 Start: 6089, Stop: 5751, Start Num: 100
Candidate Starts for ShyRosie_9:
(43, 6161), (Start: 100 @6089 has 66 MA's), (Start: 117 @6050 has 2 MA's), (138, 5978), (148, 5939), (212, 5798),

Gene: Silverleaf_30 Start: 27690, Stop: 27959, Start Num: 104
Candidate Starts for Silverleaf_30:
(Start: 104 @27690 has 73 MA's), (Start: 120 @27735 has 8 MA's), (173, 27843),

Gene: Simpliphy_38 Start: 32880, Stop: 33125, Start Num: 105
Candidate Starts for Simpliphy_38:
(Start: 105 @32880 has 178 MA's), (Start: 127 @32937 has 3 MA's), (138, 32970), (140, 32976), (170, 33030), (178, 33042),

Gene: Simpson_35 Start: 24755, Stop: 25021, Start Num: 87
Candidate Starts for Simpson_35:
(18, 24497), (Start: 87 @24755 has 28 MA's), (175, 24938),

Gene: SirDuracell_36 Start: 31800, Stop: 32045, Start Num: 105
Candidate Starts for SirDuracell_36:
(Start: 105 @31800 has 178 MA's), (Start: 127 @31857 has 3 MA's), (138, 31890), (140, 31896), (165, 31944), (170, 31950), (178, 31962),

Gene: Skelbel_35 Start: 26608, Stop: 26865, Start Num: 90
Candidate Starts for Skelbel_35:
(18, 26371), (19, 26380), (Start: 90 @26608 has 7 MA's), (122, 26656), (177, 26773),

Gene: Skog_140 Start: 57999, Stop: 58271, Start Num: 105
Candidate Starts for Skog_140:
(Start: 105 @57999 has 178 MA's), (Start: 120 @58047 has 8 MA's), (133, 58080), (178, 58167),

Gene: Smeagan_61 Start: 38985, Stop: 38713, Start Num: 69
Candidate Starts for Smeagan_61:
(Start: 69 @38985 has 94 MA's), (Start: 100 @38976 has 66 MA's), (Start: 108 @38964 has 16 MA's), (Start: 110 @38958 has 9 MA's), (160, 38835),

Gene: Smoothie_126 Start: 71628, Stop: 71921, Start Num: 92
Candidate Starts for Smoothie_126:
(Start: 92 @71628 has 48 MA's), (Start: 117 @71676 has 2 MA's), (173, 71805),

Gene: SnapTap_58 Start: 38503, Stop: 38231, Start Num: 69

Candidate Starts for SnapTap_58:
(Start: 69 @38503 has 94 MA's), (Start: 100 @38494 has 66 MA's), (Start: 108 @38482 has 16 MA's), (Start: 110 @38476 has 9 MA's), (160, 38353),

Gene: Snape_57 Start: 37325, Stop: 37053, Start Num: 92
Candidate Starts for Snape_57:
(Start: 92 @37325 has 48 MA's), (Start: 100 @37316 has 66 MA's), (178, 37145),

Gene: Snek_33 Start: 23631, Stop: 23897, Start Num: 83
Candidate Starts for Snek_33:
(18, 23421), (20, 23430), (Start: 83 @23631 has 2 MA's), (175, 23814),

Gene: Snenia_31 Start: 28785, Stop: 29051, Start Num: 104
Candidate Starts for Snenia_31:
(Start: 104 @28785 has 73 MA's), (Start: 110 @28797 has 9 MA's), (Start: 120 @28830 has 8 MA's),

Gene: SoJulia_33 Start: 28728, Stop: 28949, Start Num: 120
Candidate Starts for SoJulia_33:
(Start: 104 @28683 has 73 MA's), (Start: 120 @28728 has 8 MA's), (139, 28779), (180, 28845), (216, 28917), (221, 28938),

Gene: Soap141_32 Start: 28500, Stop: 28721, Start Num: 120
Candidate Starts for Soap141_32:
(Start: 104 @28455 has 73 MA's), (Start: 120 @28500 has 8 MA's), (139, 28551), (180, 28617), (216, 28689), (221, 28710),

Gene: SoilSleuth_9 Start: 6089, Stop: 5751, Start Num: 100
Candidate Starts for SoilSleuth_9:
(43, 6161), (50, 6146), (Start: 100 @6089 has 66 MA's), (Start: 117 @6050 has 2 MA's), (138, 5978), (148, 5939), (212, 5798),

Gene: Sooty_31 Start: 22496, Stop: 22762, Start Num: 98
Candidate Starts for Sooty_31:
(Start: 98 @22496 has 21 MA's), (Start: 105 @22505 has 178 MA's), (Start: 108 @22511 has 16 MA's), (131, 22574),

Gene: SophKB_37 Start: 33134, Stop: 33379, Start Num: 105
Candidate Starts for SophKB_37:
(Start: 105 @33134 has 178 MA's), (Start: 127 @33191 has 3 MA's), (138, 33224), (140, 33230), (170, 33284), (178, 33296),

Gene: Sorvannah_9 Start: 6219, Stop: 5899, Start Num: 100
Candidate Starts for Sorvannah_9:
(Start: 100 @6219 has 66 MA's), (Start: 117 @6180 has 2 MA's), (122, 6168), (124, 6165), (177, 6000), (211, 5931),

Gene: Sotrice96_37 Start: 33089, Stop: 33334, Start Num: 105
Candidate Starts for Sotrice96_37:
(Start: 105 @33089 has 178 MA's), (Start: 127 @33146 has 3 MA's), (138, 33179), (140, 33185), (170, 33239), (178, 33251),

Gene: Soups_64 Start: 37890, Stop: 37621, Start Num: 94
Candidate Starts for Soups_64:

(5, 38334), (12, 38232), (Start: 94 @37890 has 23 MA's), (178, 37713),

Gene: SpecialK_31 Start: 22493, Stop: 22759, Start Num: 98
Candidate Starts for SpecialK_31:
(Start: 98 @22493 has 21 MA's), (Start: 108 @22508 has 16 MA's), (131, 22571), (186, 22691),

Gene: SpeedDemon_860 Start: 59302, Stop: 59036, Start Num: 92
Candidate Starts for SpeedDemon_860:
(Start: 92 @59302 has 48 MA's), (116, 59254),

Gene: Splinter_63 Start: 40094, Stop: 40318, Start Num: 104
Candidate Starts for Splinter_63:
(Start: 104 @40094 has 73 MA's), (122, 40136), (138, 40181), (141, 40190), (170, 40241), (175, 40250),

Gene: Spouty_58 Start: 38291, Stop: 38019, Start Num: 69
Candidate Starts for Spouty_58:
(Start: 69 @38291 has 94 MA's), (Start: 100 @38282 has 66 MA's), (Start: 125 @38225 has 1 MA's), (137, 38189), (156, 38150), (170, 38123), (178, 38111),

Gene: Squint_50 Start: 40769, Stop: 40981, Start Num: 118
Candidate Starts for Squint_50:
(Start: 110 @40742 has 9 MA's), (Start: 118 @40769 has 1 MA's), (138, 40823), (139, 40826), (173, 40883), (191, 40919),

Gene: StCroix_45 Start: 34311, Stop: 34015, Start Num: 95
Candidate Starts for StCroix_45:
(Start: 95 @34311 has 44 MA's), (Start: 108 @34293 has 16 MA's), (Start: 110 @34287 has 9 MA's), (157, 34170), (175, 34137), (180, 34131), (207, 34071), (222, 34023),

Gene: StagePhright_9 Start: 6092, Stop: 5736, Start Num: 100
Candidate Starts for StagePhright_9:
(Start: 100 @6092 has 66 MA's), (Start: 117 @6053 has 2 MA's), (124, 6038), (146, 5951), (148, 5942), (190, 5834), (194, 5825), (211, 5786),

Gene: Stank_40 Start: 33641, Stop: 33886, Start Num: 105
Candidate Starts for Stank_40:
(Start: 105 @33641 has 178 MA's), (Start: 127 @33698 has 3 MA's), (138, 33731), (140, 33737), (170, 33791), (178, 33803),

Gene: StarStuff_60 Start: 38271, Stop: 37999, Start Num: 69
Candidate Starts for StarStuff_60:
(Start: 69 @38271 has 94 MA's), (Start: 100 @38262 has 66 MA's), (137, 38169), (178, 38091), (201, 38037),

Gene: Stark_38 Start: 32893, Stop: 33138, Start Num: 105
Candidate Starts for Stark_38:
(Start: 105 @32893 has 178 MA's), (Start: 127 @32950 has 3 MA's), (138, 32983), (140, 32989), (170, 33043), (178, 33055),

Gene: Steamy_54 Start: 38003, Stop: 37731, Start Num: 69
Candidate Starts for Steamy_54:

(22, 38204), (Start: 69 @38003 has 94 MA's), (Start: 100 @37994 has 66 MA's), (Start: 110 @37976 has 9 MA's), (124, 37940), (137, 37901), (160, 37853), (170, 37835), (183, 37814), (184, 37811),

Gene: StellaBean_37 Start: 33134, Stop: 33379, Start Num: 105
Candidate Starts for StellaBean_37:
(Start: 105 @33134 has 178 MA's), (Start: 127 @33191 has 3 MA's), (138, 33224), (140, 33230), (170, 33284), (178, 33296),

Gene: Stellammi_39 Start: 29438, Stop: 29665, Start Num: 107
Candidate Starts for Stellammi_39:
(40, 29303), (55, 29342), (60, 29360), (68, 29381), (81, 29405), (89, 29417), (107, 29438), (129, 29495), (140, 29531), (175, 29591),

Gene: Stewart25555_99 Start: 83664, Stop: 83927, Start Num: 105
Candidate Starts for Stewart25555_99:
(Start: 105 @83664 has 178 MA's), (129, 83724), (190, 83853), (204, 83886),

Gene: Stickynote_52 Start: 43964, Stop: 43674, Start Num: 100
Candidate Starts for Stickynote_52:
(Start: 100 @43964 has 66 MA's), (124, 43901), (165, 43787), (201, 43715),

Gene: StolenFromERC_39 Start: 33125, Stop: 33370, Start Num: 105
Candidate Starts for StolenFromERC_39:
(Start: 105 @33125 has 178 MA's), (Start: 127 @33182 has 3 MA's), (138, 33215), (140, 33221), (170, 33275), (178, 33287),

Gene: StormChicken_37 Start: 33309, Stop: 33554, Start Num: 105
Candidate Starts for StormChicken_37:
(Start: 105 @33309 has 178 MA's), (Start: 127 @33366 has 3 MA's), (138, 33399), (140, 33405), (170, 33459), (178, 33471),

Gene: Stormbreaker_9 Start: 6347, Stop: 6027, Start Num: 100
Candidate Starts for Stormbreaker_9:
(39, 6467), (52, 6437), (Start: 100 @6347 has 66 MA's), (122, 6296), (129, 6281), (139, 6233), (190, 6092),

Gene: Strosahl_64 Start: 37446, Stop: 37177, Start Num: 94
Candidate Starts for Strosahl_64:
(5, 37890), (10, 37866), (12, 37788), (Start: 94 @37446 has 23 MA's), (178, 37269),

Gene: Stuck_67 Start: 45156, Stop: 45389, Start Num: 109
Candidate Starts for Stuck_67:
(Start: 93 @45144 has 4 MA's), (109, 45156), (111, 45162), (134, 45228), (157, 45273), (175, 45303),

Gene: Studio_2 Start: 600, Stop: 863, Start Num: 101
Candidate Starts for Studio_2:
(Start: 101 @600 has 1 MA's),

Gene: Stuu_31 Start: 22587, Stop: 22853, Start Num: 98
Candidate Starts for Stuu_31:
(Start: 98 @22587 has 21 MA's), (Start: 108 @22602 has 16 MA's), (131, 22665), (186, 22785),

Gene: SuMoo_44 Start: 27844, Stop: 28113, Start Num: 100

Candidate Starts for SuMoo_44:
(26, 27691), (36, 27730), (38, 27733), (Start: 100 @27844 has 66 MA's), (122, 27898), (134, 27931), (167, 28012), (193, 28057),

Gene: Subaru_35 Start: 26623, Stop: 26880, Start Num: 90
Candidate Starts for Subaru_35:
(18, 26386), (19, 26395), (Start: 90 @26623 has 7 MA's), (122, 26671), (177, 26788),

Gene: Sue2_34 Start: 25374, Stop: 25640, Start Num: 87
Candidate Starts for Sue2_34:
(18, 25137), (20, 25146), (28, 25221), (Start: 87 @25374 has 28 MA's), (175, 25557), (205, 25614),

Gene: SunnyD_36 Start: 24766, Stop: 24996, Start Num: 108
Candidate Starts for SunnyD_36:
(Start: 108 @24766 has 16 MA's), (124, 24811),

Gene: SunnyJune_47 Start: 33718, Stop: 34011, Start Num: 91
Candidate Starts for SunnyJune_47:
(58, 33658), (Start: 91 @33718 has 3 MA's), (Start: 117 @33769 has 2 MA's), (124, 33784), (140, 33832), (165, 33886), (173, 33898), (178, 33907), (215, 33991),

Gene: SuperHands_42 Start: 28766, Stop: 29023, Start Num: 100
Candidate Starts for SuperHands_42:
(Start: 100 @28766 has 66 MA's), (122, 28820), (175, 28946), (184, 28958), (192, 28970),

Gene: Superchunk_56 Start: 36944, Stop: 36672, Start Num: 69
Candidate Starts for Superchunk_56:
(Start: 69 @36944 has 94 MA's), (Start: 110 @36917 has 9 MA's), (160, 36794), (165, 36782),

Gene: Superphikiman_51 Start: 40814, Stop: 41053, Start Num: 110
Candidate Starts for Superphikiman_51:
(Start: 110 @40814 has 9 MA's), (Start: 118 @40841 has 1 MA's), (138, 40895), (139, 40898), (173, 40955), (191, 40991),

Gene: Swann_46 Start: 34296, Stop: 34000, Start Num: 95
Candidate Starts for Swann_46:
(Start: 95 @34296 has 44 MA's), (Start: 108 @34278 has 16 MA's), (Start: 110 @34272 has 9 MA's), (157, 34155), (175, 34122), (180, 34116), (207, 34056), (222, 34008),

Gene: Sweetclover_51 Start: 33033, Stop: 33266, Start Num: 102
Candidate Starts for Sweetclover_51:
(49, 32928), (Start: 102 @33033 has 13 MA's), (129, 33096), (157, 33168),

Gene: SweetiePie_58 Start: 38635, Stop: 38363, Start Num: 69
Candidate Starts for SweetiePie_58:
(Start: 69 @38635 has 94 MA's), (Start: 100 @38626 has 66 MA's), (Start: 108 @38614 has 16 MA's), (Start: 110 @38608 has 9 MA's),

Gene: SwirlSquare_63 Start: 37866, Stop: 37594, Start Num: 69
Candidate Starts for SwirlSquare_63:
(Start: 69 @37866 has 94 MA's), (Start: 110 @37839 has 9 MA's), (129, 37791), (152, 37734), (178, 37686), (187, 37668),

Gene: SwissCheezer_9 Start: 6356, Stop: 6036, Start Num: 100
Candidate Starts for SwissCheezer_9:
(52, 6446), (Start: 100 @6356 has 66 MA's), (122, 6305), (129, 6290), (139, 6242), (190, 6101),

Gene: Switzerland_63 Start: 37766, Stop: 37497, Start Num: 94
Candidate Starts for Switzerland_63:
(5, 38210), (12, 38108), (Start: 94 @37766 has 23 MA's), (178, 37589),

Gene: TBrady12_39 Start: 33125, Stop: 33370, Start Num: 105
Candidate Starts for TBrady12_39:
(Start: 105 @33125 has 178 MA's), (Start: 127 @33182 has 3 MA's), (138, 33215), (140, 33221), (170, 33275), (178, 33287),

Gene: TMaxx_3 Start: 937, Stop: 1194, Start Num: 106
Candidate Starts for TMaxx_3:
(52, 838), (56, 850), (Start: 106 @937 has 12 MA's),

Gene: TWAMP_46 Start: 34298, Stop: 34002, Start Num: 95
Candidate Starts for TWAMP_46:
(Start: 95 @34298 has 44 MA's), (Start: 108 @34280 has 16 MA's), (Start: 110 @34274 has 9 MA's), (157, 34157), (175, 34124), (180, 34118), (207, 34058), (222, 34010),

Gene: TZGordon_64 Start: 38982, Stop: 39206, Start Num: 104
Candidate Starts for TZGordon_64:
(Start: 104 @38982 has 73 MA's), (122, 39024), (138, 39069), (141, 39078), (170, 39129), (175, 39138),

Gene: Tailonex_48 Start: 37705, Stop: 37427, Start Num: 89
Candidate Starts for Tailonex_48:
(89, 37705), (Start: 127 @37630 has 3 MA's), (187, 37504),

Gene: Takoda_46 Start: 34472, Stop: 34176, Start Num: 95
Candidate Starts for Takoda_46:
(Start: 95 @34472 has 44 MA's), (Start: 108 @34454 has 16 MA's), (Start: 110 @34448 has 9 MA's), (157, 34331), (175, 34298), (180, 34292), (207, 34232), (222, 34184),

Gene: Tallboi_33 Start: 25971, Stop: 26237, Start Num: 84
Candidate Starts for Tallboi_33:
(18, 25716), (23, 25752), (Start: 84 @25971 has 4 MA's), (175, 26154),

Gene: Tarkin_39 Start: 34124, Stop: 34369, Start Num: 105
Candidate Starts for Tarkin_39:
(Start: 105 @34124 has 178 MA's), (Start: 127 @34181 has 3 MA's), (138, 34214), (140, 34220), (170, 34274), (178, 34286),

Gene: Tbone_32 Start: 24550, Stop: 24816, Start Num: 87
Candidate Starts for Tbone_32:
(18, 24292), (23, 24328), (Start: 87 @24550 has 28 MA's), (175, 24733),

Gene: Teagster_37 Start: 25597, Stop: 25827, Start Num: 108
Candidate Starts for Teagster_37:
(Start: 108 @25597 has 16 MA's), (124, 25642),

Gene: TeamEdward_37 Start: 33306, Stop: 33551, Start Num: 105
Candidate Starts for TeamEdward_37:
(Start: 105 @33306 has 178 MA's), (Start: 127 @33363 has 3 MA's), (138, 33396), (140, 33402), (170, 33456), (178, 33468),

Gene: TeardropMSU_36 Start: 33035, Stop: 33280, Start Num: 105
Candidate Starts for TeardropMSU_36:
(Start: 105 @33035 has 178 MA's), (Start: 127 @33092 has 3 MA's), (138, 33125), (140, 33131), (170, 33185), (178, 33197),

Gene: Teaspoon_38 Start: 33088, Stop: 33333, Start Num: 105
Candidate Starts for Teaspoon_38:
(Start: 105 @33088 has 178 MA's), (Start: 127 @33145 has 3 MA's), (138, 33178), (140, 33184), (170, 33238), (178, 33250),

Gene: Terminus_37 Start: 33222, Stop: 33467, Start Num: 105
Candidate Starts for Terminus_37:
(Start: 105 @33222 has 178 MA's), (Start: 127 @33279 has 3 MA's), (138, 33312), (140, 33318), (170, 33372), (178, 33384),

Gene: TforTroy_34 Start: 25368, Stop: 25634, Start Num: 87
Candidate Starts for TforTroy_34:
(Start: 87 @25368 has 28 MA's), (175, 25551),

Gene: Thibault_45 Start: 41387, Stop: 41626, Start Num: 110
Candidate Starts for Thibault_45:
(Start: 110 @41387 has 9 MA's), (Start: 118 @41414 has 1 MA's), (138, 41468), (139, 41471), (173, 41528), (191, 41564),

Gene: Thimble_37 Start: 32085, Stop: 32330, Start Num: 105
Candidate Starts for Thimble_37:
(Start: 105 @32085 has 178 MA's), (Start: 127 @32142 has 3 MA's), (138, 32175), (140, 32181), (170, 32235), (178, 32247),

Gene: ThirteenKH_9 Start: 6080, Stop: 5724, Start Num: 100
Candidate Starts for ThirteenKH_9:
(Start: 100 @6080 has 66 MA's), (Start: 117 @6041 has 2 MA's), (124, 6026), (148, 5930), (194, 5813), (211, 5774),

Gene: ThreeRngTarjay_50 Start: 44296, Stop: 44541, Start Num: 105
Candidate Starts for ThreeRngTarjay_50:
(Start: 105 @44296 has 178 MA's), (129, 44359), (138, 44389), (139, 44392), (175, 44452), (178, 44455), (180, 44458),

Gene: Thresher_38 Start: 33889, Stop: 34134, Start Num: 105
Candidate Starts for Thresher_38:
(Start: 105 @33889 has 178 MA's), (Start: 127 @33946 has 3 MA's), (138, 33979), (140, 33985), (170, 34039), (178, 34051),

Gene: ThursdayNight_37 Start: 26453, Stop: 26713, Start Num: 76
Candidate Starts for ThursdayNight_37:
(22, 26240), (23, 26249), (Start: 76 @26453 has 1 MA's), (175, 26624),

Gene: Tian_33 Start: 26378, Stop: 26620, Start Num: 88
Candidate Starts for Tian_33:
(Start: 88 @26378 has 5 MA's),

Gene: TicTac_9 Start: 6319, Stop: 5996, Start Num: 100
Candidate Starts for TicTac_9:
(27, 6487), (41, 6436), (Start: 100 @6319 has 66 MA's), (122, 6268), (129, 6253), (139, 6205), (178, 6097), (202, 6049), (211, 6031),

Gene: Timothy_57 Start: 37302, Stop: 37030, Start Num: 92
Candidate Starts for Timothy_57:
(Start: 92 @37302 has 48 MA's), (Start: 100 @37293 has 66 MA's), (178, 37122),

Gene: TinaLin_62 Start: 38825, Stop: 39049, Start Num: 104
Candidate Starts for TinaLin_62:
(Start: 104 @38825 has 73 MA's), (122, 38867), (138, 38912), (141, 38921), (170, 38972), (175, 38981), (192, 39002),

Gene: TinyTimmy_57 Start: 37351, Stop: 37079, Start Num: 92
Candidate Starts for TinyTimmy_57:
(Start: 92 @37351 has 48 MA's), (Start: 100 @37342 has 66 MA's), (178, 37171),

Gene: TinyTimothy_9 Start: 6219, Stop: 5899, Start Num: 100
Candidate Starts for TinyTimothy_9:
(Start: 100 @6219 has 66 MA's), (Start: 117 @6180 has 2 MA's), (122, 6168), (177, 6000), (211, 5931),

Gene: TipsytheTRex_54 Start: 37698, Stop: 37426, Start Num: 92
Candidate Starts for TipsytheTRex_54:
(42, 37770), (48, 37758), (Start: 92 @37698 has 48 MA's), (Start: 108 @37677 has 16 MA's), (Start: 110 @37671 has 9 MA's), (160, 37548), (165, 37536),

Gene: Toaka_58 Start: 38206, Stop: 37934, Start Num: 69
Candidate Starts for Toaka_58:
(Start: 69 @38206 has 94 MA's), (Start: 100 @38197 has 66 MA's), (160, 38056), (170, 38038),

Gene: Tomaszewski_36 Start: 32732, Stop: 32977, Start Num: 105
Candidate Starts for Tomaszewski_36:
(Start: 105 @32732 has 178 MA's), (Start: 127 @32789 has 3 MA's), (138, 32822), (140, 32828), (165, 32876), (170, 32882), (178, 32894),

Gene: Tomathan_60 Start: 38318, Stop: 38046, Start Num: 69
Candidate Starts for Tomathan_60:
(Start: 69 @38318 has 94 MA's), (Start: 100 @38309 has 66 MA's), (137, 38216), (178, 38138), (201, 38084),

Gene: Toniann_125 Start: 71160, Stop: 71450, Start Num: 95
Candidate Starts for Toniann_125:
(45, 71052), (51, 71067), (66, 71112), (Start: 95 @71160 has 44 MA's), (Start: 117 @71205 has 2 MA's), (173, 71334),

Gene: Toto_37 Start: 33135, Stop: 33380, Start Num: 105
Candidate Starts for Toto_37:

(Start: 105 @33135 has 178 MA's), (Start: 127 @33192 has 3 MA's), (138, 33225), (140, 33231), (170, 33285), (178, 33297),

Gene: Tourach_32 Start: 28413, Stop: 28679, Start Num: 104
Candidate Starts for Tourach_32:
(Start: 104 @28413 has 73 MA's), (Start: 120 @28458 has 8 MA's), (139, 28509), (216, 28647), (221, 28668),

Gene: Towmatter_75 Start: 53043, Stop: 52786, Start Num: 92
Candidate Starts for Towmatter_75:
(65, 53094), (70, 53079), (74, 53070), (Start: 76 @53067 has 1 MA's), (Start: 92 @53043 has 48 MA's), (175, 52872),

Gene: Traaww1_35 Start: 32773, Stop: 33018, Start Num: 105
Candidate Starts for Traaww1_35:
(Start: 105 @32773 has 178 MA's), (Start: 127 @32830 has 3 MA's), (138, 32863), (140, 32869), (170, 32923), (178, 32935),

Gene: Travvers_60 Start: 38268, Stop: 37996, Start Num: 69
Candidate Starts for Travvers_60:
(Start: 69 @38268 has 94 MA's), (Start: 100 @38259 has 66 MA's), (137, 38166), (178, 38088), (201, 38034),

Gene: TriFive_31 Start: 28784, Stop: 29050, Start Num: 104
Candidate Starts for TriFive_31:
(Start: 104 @28784 has 73 MA's), (Start: 110 @28796 has 9 MA's), (Start: 120 @28829 has 8 MA's),

Gene: TripleC_6 Start: 4398, Stop: 4658, Start Num: 103
Candidate Starts for TripleC_6:
(Start: 103 @4398 has 1 MA's), (Start: 108 @4404 has 16 MA's), (137, 4488), (198, 4617),

Gene: TrippleS_9 Start: 6080, Stop: 5724, Start Num: 100
Candidate Starts for TrippleS_9:
(Start: 100 @6080 has 66 MA's), (Start: 117 @6041 has 2 MA's), (124, 6026), (148, 5930), (194, 5813), (211, 5774),

Gene: Truong_9 Start: 6089, Stop: 5751, Start Num: 100
Candidate Starts for Truong_9:
(43, 6161), (Start: 100 @6089 has 66 MA's), (Start: 117 @6050 has 2 MA's), (138, 5978), (148, 5939), (212, 5798),

Gene: Tubs_58 Start: 38225, Stop: 37953, Start Num: 69
Candidate Starts for Tubs_58:
(Start: 69 @38225 has 94 MA's), (Start: 100 @38216 has 66 MA's), (Start: 125 @38159 has 1 MA's), (137, 38123), (156, 38084), (170, 38057), (178, 38045),

Gene: Tuck_36 Start: 27187, Stop: 27453, Start Num: 87
Candidate Starts for Tuck_36:
(18, 26950), (20, 26959), (Start: 87 @27187 has 28 MA's),

Gene: Tuco_38 Start: 33643, Stop: 33888, Start Num: 105
Candidate Starts for Tuco_38:

(Start: 105 @33643 has 178 MA's), (Start: 127 @33700 has 3 MA's), (138, 33733), (140, 33739), (170, 33793), (178, 33805),

Gene: Turab_32 Start: 24438, Stop: 24704, Start Num: 84
Candidate Starts for Turab_32:
(6, 23982), (18, 24183), (23, 24219), (Start: 84 @24438 has 4 MA's), (175, 24621),

Gene: Turbido_59 Start: 38719, Stop: 38447, Start Num: 69
Candidate Starts for Turbido_59:
(Start: 69 @38719 has 94 MA's), (Start: 100 @38710 has 66 MA's), (Start: 108 @38698 has 16 MA's), (Start: 110 @38692 has 9 MA's),

Gene: Tutumahutu_33 Start: 24722, Stop: 24988, Start Num: 87
Candidate Starts for Tutumahutu_33:
(18, 24464), (23, 24500), (Start: 87 @24722 has 28 MA's), (175, 24905),

Gene: Tweety19_33 Start: 23630, Stop: 23896, Start Num: 83
Candidate Starts for Tweety19_33:
(18, 23420), (20, 23429), (Start: 83 @23630 has 2 MA's), (175, 23813),

Gene: Tyson_30 Start: 27735, Stop: 27959, Start Num: 120
Candidate Starts for Tyson_30:
(Start: 104 @27690 has 73 MA's), (Start: 120 @27735 has 8 MA's), (173, 27843),

Gene: UPIE_30 Start: 27688, Stop: 27957, Start Num: 104
Candidate Starts for UPIE_30:
(Start: 104 @27688 has 73 MA's), (Start: 120 @27733 has 8 MA's), (173, 27841),

Gene: Ugenie5_55 Start: 38510, Stop: 38238, Start Num: 69
Candidate Starts for Ugenie5_55:
(Start: 69 @38510 has 94 MA's), (Start: 100 @38501 has 66 MA's), (Start: 125 @38444 has 1 MA's), (137, 38408), (156, 38369), (170, 38342), (178, 38330),

Gene: UhSalsa_46 Start: 34231, Stop: 33935, Start Num: 95
Candidate Starts for UhSalsa_46:
(Start: 95 @34231 has 44 MA's), (Start: 108 @34213 has 16 MA's), (Start: 110 @34207 has 9 MA's), (157, 34090), (175, 34057), (180, 34051), (207, 33991), (222, 33943),

Gene: Ukulele_37 Start: 32893, Stop: 33138, Start Num: 105
Candidate Starts for Ukulele_37:
(Start: 105 @32893 has 178 MA's), (Start: 127 @32950 has 3 MA's), (138, 32983), (140, 32989), (170, 33043), (178, 33055),

Gene: Underpass_32 Start: 28424, Stop: 28690, Start Num: 104
Candidate Starts for Underpass_32:
(Start: 104 @28424 has 73 MA's), (Start: 120 @28469 has 8 MA's), (139, 28520), (180, 28586), (216, 28658), (221, 28679),

Gene: Unphazed_9 Start: 6368, Stop: 6045, Start Num: 100
Candidate Starts for Unphazed_9:
(Start: 100 @6368 has 66 MA's), (122, 6317), (133, 6272), (139, 6254), (177, 6149), (202, 6098),

Gene: UtzChips_41 Start: 26893, Stop: 27153, Start Num: 100

Candidate Starts for UtzChips_41:
(33, 26767), (Start: 100 @26893 has 66 MA's),

Gene: VC3_61 Start: 38705, Stop: 38394, Start Num: 63
Candidate Starts for VC3_61:
(Start: 63 @38705 has 4 MA's), (Start: 92 @38666 has 48 MA's), (Start: 100 @38657 has 66 MA's), (137, 38564), (160, 38516), (178, 38486),

Gene: VResidence_33 Start: 24693, Stop: 24935, Start Num: 93
Candidate Starts for VResidence_33:
(Start: 93 @24693 has 4 MA's), (126, 24747), (177, 24855),

Gene: Vanisoa_58 Start: 39326, Stop: 39054, Start Num: 69
Candidate Starts for Vanisoa_58:
(Start: 69 @39326 has 94 MA's), (Start: 100 @39317 has 66 MA's), (Start: 125 @39260 has 1 MA's), (137, 39224), (160, 39176), (178, 39146), (183, 39137),

Gene: Vendetta_63 Start: 40094, Stop: 40318, Start Num: 104
Candidate Starts for Vendetta_63:
(Start: 104 @40094 has 73 MA's), (122, 40136), (138, 40181), (141, 40190), (170, 40241), (175, 40250),

Gene: Vetrix_32 Start: 28428, Stop: 28694, Start Num: 104
Candidate Starts for Vetrix_32:
(Start: 104 @28428 has 73 MA's), (Start: 120 @28473 has 8 MA's), (139, 28524), (180, 28590), (216, 28662), (221, 28683),

Gene: Vibaki_39 Start: 33279, Stop: 33614, Start Num: 80
Candidate Starts for Vibaki_39:
(Start: 80 @33279 has 3 MA's), (Start: 91 @33294 has 3 MA's), (177, 33507), (178, 33510), (210, 33585),

Gene: Vitus_40 Start: 32270, Stop: 32614, Start Num: 80
Candidate Starts for Vitus_40:
(14, 31940), (Start: 80 @32270 has 3 MA's), (Start: 91 @32285 has 3 MA's), (124, 32351), (134, 32381), (149, 32438), (170, 32492), (177, 32504), (210, 32582),

Gene: Volt_121 Start: 57210, Stop: 57449, Start Num: 108
Candidate Starts for Volt_121:
(Start: 108 @57210 has 16 MA's), (158, 57333), (195, 57405), (196, 57408),

Gene: VroomVroom_39 Start: 26557, Stop: 26892, Start Num: 98
Candidate Starts for VroomVroom_39:
(Start: 98 @26557 has 21 MA's), (182, 26749),

Gene: WaddleDee_95 Start: 82115, Stop: 82375, Start Num: 105
Candidate Starts for WaddleDee_95:
(Start: 105 @82115 has 178 MA's), (190, 82304), (202, 82334), (204, 82337),

Gene: Waits_64 Start: 37663, Stop: 37394, Start Num: 94
Candidate Starts for Waits_64:
(5, 38107), (10, 38083), (12, 38005), (Start: 94 @37663 has 23 MA's), (178, 37486),

Gene: Wamburgrxpress_30 Start: 27703, Stop: 27972, Start Num: 104
Candidate Starts for Wamburgrxpress_30:
(Start: 104 @27703 has 73 MA's), (Start: 120 @27748 has 8 MA's), (173, 27856),

Gene: Wanda_58 Start: 44007, Stop: 44255, Start Num: 105
Candidate Starts for Wanda_58:
(Start: 105 @44007 has 178 MA's), (162, 44139),

Gene: Warda_33 Start: 24726, Stop: 24992, Start Num: 87
Candidate Starts for Warda_33:
(18, 24468), (23, 24504), (Start: 87 @24726 has 28 MA's), (175, 24909),

Gene: Warrior24_66 Start: 38097, Stop: 37828, Start Num: 94
Candidate Starts for Warrior24_66:
(Start: 94 @38097 has 23 MA's), (178, 37920),

Gene: WaterT_52 Start: 33281, Stop: 33520, Start Num: 106
Candidate Starts for WaterT_52:
(Start: 106 @33281 has 12 MA's), (129, 33338), (137, 33365), (140, 33374),

Gene: Waterlily_9 Start: 6089, Stop: 5751, Start Num: 100
Candidate Starts for Waterlily_9:
(43, 6161), (Start: 100 @6089 has 66 MA's), (Start: 117 @6050 has 2 MA's), (138, 5978), (148, 5939), (162, 5897), (212, 5798),

Gene: Weiss13_40 Start: 36088, Stop: 36333, Start Num: 96
Candidate Starts for Weiss13_40:
(70, 36046), (Start: 96 @36088 has 9 MA's), (Start: 110 @36109 has 9 MA's), (Start: 117 @36130 has 2 MA's), (Start: 127 @36154 has 3 MA's), (129, 36157), (176, 36256), (179, 36259), (181, 36262),

Gene: Wesak_9 Start: 6219, Stop: 5899, Start Num: 100
Candidate Starts for Wesak_9:
(Start: 100 @6219 has 66 MA's), (Start: 117 @6180 has 2 MA's), (122, 6168), (124, 6165), (177, 6000), (211, 5931),

Gene: Whabigail7_59 Start: 38704, Stop: 38432, Start Num: 69
Candidate Starts for Whabigail7_59:
(Start: 69 @38704 has 94 MA's), (Start: 100 @38695 has 66 MA's), (Start: 108 @38683 has 16 MA's), (Start: 110 @38677 has 9 MA's), (160, 38554),

Gene: Whirlwind_32 Start: 28525, Stop: 28791, Start Num: 104
Candidate Starts for Whirlwind_32:
(77, 28486), (Start: 104 @28525 has 73 MA's), (Start: 110 @28537 has 9 MA's), (Start: 120 @28570 has 8 MA's), (138, 28618),

Gene: Wiggin_40 Start: 33639, Stop: 33884, Start Num: 105
Candidate Starts for Wiggin_40:
(Start: 105 @33639 has 178 MA's), (Start: 127 @33696 has 3 MA's), (138, 33729), (140, 33735), (170, 33789), (178, 33801),

Gene: Wigglewiggle_32 Start: 28454, Stop: 28720, Start Num: 104
Candidate Starts for Wigglewiggle_32:

(Start: 104 @28454 has 73 MA's), (Start: 120 @28499 has 8 MA's), (139, 28550), (180, 28616), (216, 28688), (221, 28709),

Gene: Wildcat_53 Start: 39356, Stop: 39604, Start Num: 105
Candidate Starts for Wildcat_53:
(Start: 105 @39356 has 178 MA's), (135, 39437), (157, 39485), (175, 39518), (178, 39521), (180, 39524), (193, 39557), (211, 39593),

Gene: Wilder_32 Start: 28427, Stop: 28693, Start Num: 104
Candidate Starts for Wilder_32:
(Start: 104 @28427 has 73 MA's), (Start: 120 @28472 has 8 MA's), (139, 28523), (180, 28589), (216, 28661), (221, 28682),

Gene: Wildwest_33 Start: 24524, Stop: 24790, Start Num: 87
Candidate Starts for Wildwest_33:
(18, 24266), (23, 24302), (Start: 87 @24524 has 28 MA's), (175, 24707),

Gene: Willez_36 Start: 32639, Stop: 32884, Start Num: 105
Candidate Starts for Willez_36:
(Start: 105 @32639 has 178 MA's), (Start: 127 @32696 has 3 MA's), (138, 32729), (140, 32735), (170, 32789), (178, 32801),

Gene: WilliamBoone_123 Start: 68402, Stop: 68692, Start Num: 95
Candidate Starts for WilliamBoone_123:
(57, 68330), (Start: 95 @68402 has 44 MA's), (173, 68576), (178, 68582),

Gene: Winky_32 Start: 28422, Stop: 28688, Start Num: 104
Candidate Starts for Winky_32:
(Start: 104 @28422 has 73 MA's), (Start: 120 @28467 has 8 MA's), (139, 28518), (180, 28584), (216, 28656), (221, 28677),

Gene: Wolpertinger_56 Start: 37334, Stop: 37062, Start Num: 92
Candidate Starts for Wolpertinger_56:
(Start: 92 @37334 has 48 MA's), (Start: 100 @37325 has 66 MA's), (178, 37154),

Gene: WorldCup_57 Start: 37992, Stop: 37720, Start Num: 69
Candidate Starts for WorldCup_57:
(Start: 69 @37992 has 94 MA's), (Start: 100 @37983 has 66 MA's), (Start: 125 @37926 has 1 MA's), (137, 37890), (160, 37842),

Gene: Wyatt2_30 Start: 27690, Stop: 27959, Start Num: 104
Candidate Starts for Wyatt2_30:
(Start: 104 @27690 has 73 MA's), (Start: 120 @27735 has 8 MA's), (173, 27843),

Gene: Xandras_39 Start: 33125, Stop: 33370, Start Num: 105
Candidate Starts for Xandras_39:
(Start: 105 @33125 has 178 MA's), (Start: 127 @33182 has 3 MA's), (138, 33215), (140, 33221), (170, 33275), (178, 33287),

Gene: Xiaokay_47 Start: 41033, Stop: 41281, Start Num: 105
Candidate Starts for Xiaokay_47:
(Start: 105 @41033 has 178 MA's), (Start: 118 @41072 has 1 MA's), (138, 41126), (139, 41129), (173, 41186), (191, 41222), (216, 41270),

Gene: Xitlalli_9 Start: 6353, Stop: 6033, Start Num: 100
Candidate Starts for Xitlalli_9:
(52, 6443), (Start: 100 @6353 has 66 MA's), (122, 6302), (129, 6287), (139, 6239), (190, 6098),

Gene: Yafa_9 Start: 6095, Stop: 5739, Start Num: 100
Candidate Starts for Yafa_9:
(Start: 100 @6095 has 66 MA's), (Start: 117 @6056 has 2 MA's), (124, 6041), (148, 5945), (194, 5828), (211, 5789),

Gene: Yang_33 Start: 24867, Stop: 25133, Start Num: 87
Candidate Starts for Yang_33:
(18, 24609), (23, 24645), (Start: 87 @24867 has 28 MA's), (175, 25050),

Gene: Yappy_50 Start: 13369, Stop: 13620, Start Num: 80
Candidate Starts for Yappy_50:
(Start: 80 @13369 has 3 MA's), (Start: 105 @13402 has 178 MA's), (Start: 110 @13414 has 9 MA's), (122, 13447), (134, 13480),

Gene: YassJohnny_38 Start: 33650, Stop: 33895, Start Num: 105
Candidate Starts for YassJohnny_38:
(Start: 105 @33650 has 178 MA's), (Start: 127 @33707 has 3 MA's), (138, 33740), (140, 33746), (170, 33800), (178, 33812),

Gene: Yecey3_59 Start: 38093, Stop: 37821, Start Num: 69
Candidate Starts for Yecey3_59:
(Start: 69 @38093 has 94 MA's), (Start: 100 @38084 has 66 MA's), (Start: 125 @38027 has 1 MA's), (137, 37991), (160, 37943), (170, 37925),

Gene: Yeet_50 Start: 43428, Stop: 43673, Start Num: 105
Candidate Starts for Yeet_50:
(Start: 105 @43428 has 178 MA's), (129, 43491), (138, 43521), (139, 43524), (175, 43584), (178, 43587), (180, 43590),

Gene: YellowPanda_9 Start: 6219, Stop: 5899, Start Num: 100
Candidate Starts for YellowPanda_9:
(Start: 100 @6219 has 66 MA's), (Start: 117 @6180 has 2 MA's), (122, 6168), (124, 6165), (177, 6000), (211, 5931),

Gene: Yelo_40 Start: 36381, Stop: 36626, Start Num: 96
Candidate Starts for Yelo_40:
(70, 36339), (Start: 96 @36381 has 9 MA's), (Start: 110 @36402 has 9 MA's), (Start: 117 @36423 has 2 MA's), (129, 36450), (176, 36549), (179, 36552), (181, 36555), (211, 36606),

Gene: YesChef_33 Start: 24727, Stop: 24969, Start Num: 87
Candidate Starts for YesChef_33:
(Start: 87 @24727 has 28 MA's), (175, 24886),

Gene: Yogi_45 Start: 34272, Stop: 33976, Start Num: 95
Candidate Starts for Yogi_45:
(Start: 95 @34272 has 44 MA's), (Start: 108 @34254 has 16 MA's), (Start: 110 @34248 has 9 MA's), (157, 34131), (175, 34098), (180, 34092), (207, 34032), (222, 33984),

Gene: Yoncess_45 Start: 34052, Stop: 33756, Start Num: 95
Candidate Starts for Yoncess_45:
(Start: 95 @34052 has 44 MA's), (Start: 108 @34034 has 16 MA's), (Start: 110 @34028 has 9 MA's), (157, 33911), (175, 33878), (180, 33872), (207, 33812), (222, 33764),

Gene: Yotsuba_51 Start: 37228, Stop: 37476, Start Num: 102
Candidate Starts for Yotsuba_51:
(Start: 102 @37228 has 13 MA's), (140, 37327), (142, 37333), (173, 37387), (175, 37390), (180, 37396), (214, 37465),

Gene: Youngblood_37 Start: 33295, Stop: 33540, Start Num: 105
Candidate Starts for Youngblood_37:
(Start: 105 @33295 has 178 MA's), (Start: 127 @33352 has 3 MA's), (138, 33385), (140, 33391), (165, 33439), (170, 33445), (178, 33457),

Gene: Yvonnetastic_129 Start: 73454, Stop: 73753, Start Num: 92
Candidate Starts for Yvonnetastic_129:
(Start: 92 @73454 has 48 MA's), (122, 73514), (137, 73556), (143, 73565), (157, 73601), (173, 73631),

Gene: Zakai_32 Start: 28678, Stop: 28944, Start Num: 104
Candidate Starts for Zakai_32:
(Start: 104 @28678 has 73 MA's), (Start: 120 @28723 has 8 MA's), (180, 28840), (221, 28933),

Gene: Zaria_30 Start: 27704, Stop: 27973, Start Num: 104
Candidate Starts for Zaria_30:
(Start: 104 @27704 has 73 MA's), (Start: 120 @27749 has 8 MA's), (173, 27857),

Gene: Zelink_53 Start: 45222, Stop: 45467, Start Num: 105
Candidate Starts for Zelink_53:
(Start: 105 @45222 has 178 MA's), (129, 45285), (138, 45315), (139, 45318), (175, 45378), (178, 45381), (180, 45384),

Gene: Zenon_41 Start: 36400, Stop: 36645, Start Num: 96
Candidate Starts for Zenon_41:
(70, 36358), (Start: 96 @36400 has 9 MA's), (Start: 110 @36421 has 9 MA's), (Start: 117 @36442 has 2 MA's), (129, 36469), (176, 36568), (179, 36571), (181, 36574), (211, 36625),

Gene: Zeta1847_35 Start: 25236, Stop: 25493, Start Num: 100
Candidate Starts for Zeta1847_35:
(1, 24102), (2, 24135), (3, 24270), (29, 25080), (Start: 100 @25236 has 66 MA's), (Start: 117 @25275 has 2 MA's),

Gene: Zhengyi_9 Start: 6127, Stop: 5798, Start Num: 100
Candidate Starts for Zhengyi_9:
(Start: 100 @6127 has 66 MA's), (122, 6073), (148, 5974), (177, 5905), (185, 5881), (211, 5836),

Gene: ZhongYanYuan_31 Start: 28288, Stop: 28509, Start Num: 120
Candidate Starts for ZhongYanYuan_31:
(Start: 104 @28243 has 73 MA's), (Start: 120 @28288 has 8 MA's), (139, 28339), (216, 28477), (221, 28498),

Gene: Ziko_119 Start: 57052, Stop: 57291, Start Num: 108
Candidate Starts for Ziko_119:

(Start: 108 @57052 has 16 MA's), (158, 57175), (195, 57247), (196, 57250),

Gene: Zimmer_55 Start: 39223, Stop: 38951, Start Num: 69
Candidate Starts for Zimmer_55:
(57, 39253), (Start: 69 @39223 has 94 MA's), (137, 39121), (160, 39073), (170, 39055), (178, 39043),

Gene: Zion_52 Start: 43958, Stop: 43662, Start Num: 100
Candidate Starts for Zion_52:
(Start: 100 @43958 has 66 MA's), (124, 43895), (165, 43781), (173, 43769), (190, 43736), (219, 43667),

Gene: Zooman_185 Start: 110949, Stop: 110695, Start Num: 105
Candidate Starts for Zooman_185:
(72, 110997), (Start: 105 @110949 has 178 MA's),

Gene: Zooman_18 Start: 8314, Stop: 8547, Start Num: 106
Candidate Starts for Zooman_18:
(Start: 106 @8314 has 12 MA's), (133, 8389), (206, 8536),

Gene: Zooman_331 Start: 183965, Stop: 184198, Start Num: 106
Candidate Starts for Zooman_331:
(Start: 106 @183965 has 12 MA's), (133, 184040), (206, 184187),

Gene: xkcd_38 Start: 33304, Stop: 33549, Start Num: 105
Candidate Starts for xkcd_38:
(Start: 105 @33304 has 178 MA's), (Start: 127 @33361 has 3 MA's), (138, 33394), (140, 33400), (170, 33454), (178, 33466),