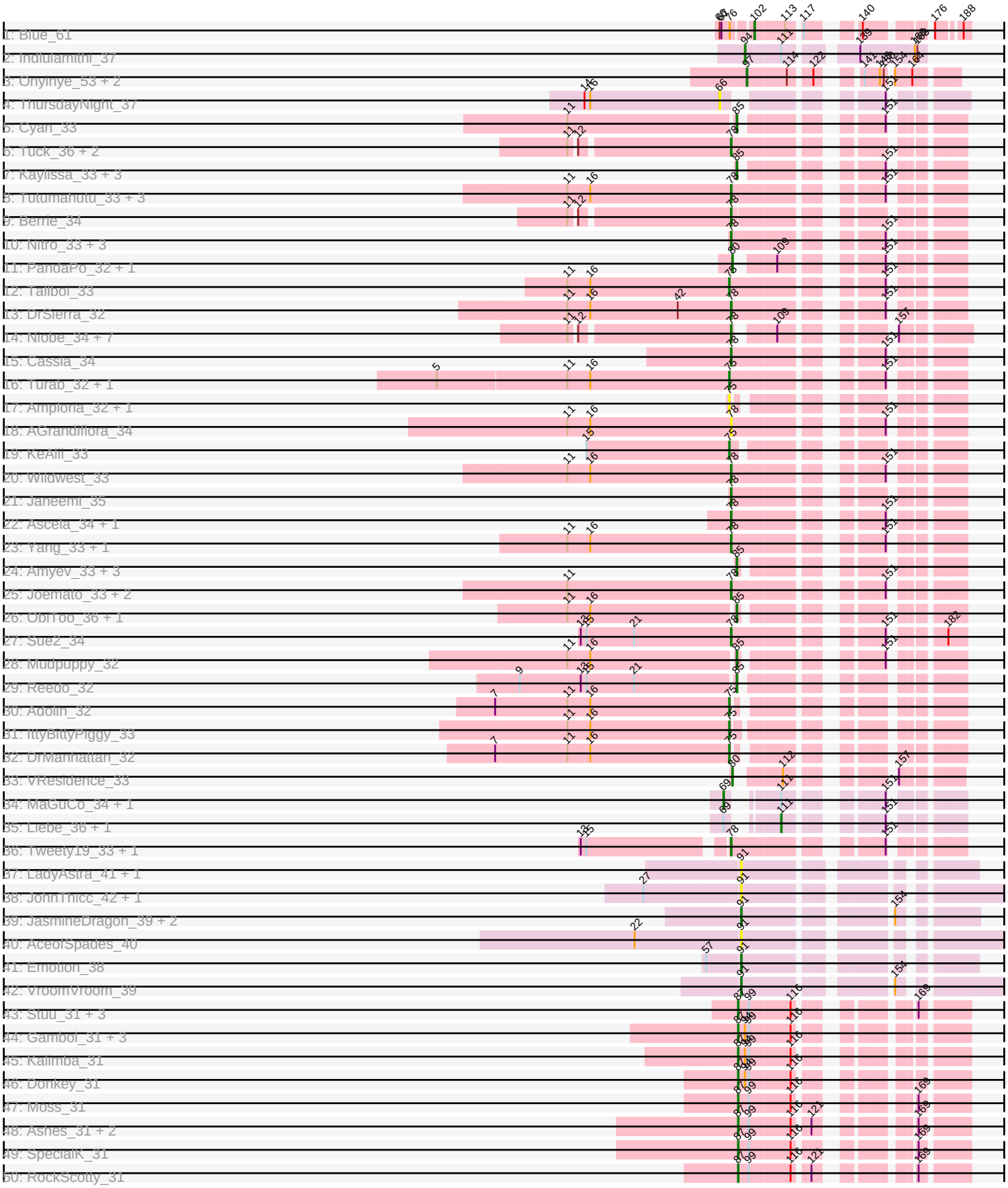
Pham 304579


1: Blue_61
2: Indiulamithi_37
3: Onyinye_53 + 2
4: ThursdayNight_37
5: Cyan_33
6: Tuck_36 + 2
7: Kayllssa_33 + 3
8: Tutumahutu_33 + 3
9: Bernie_34
10: Nitro_33 + 3
11: PandaPo_32 + 1
12: Tallboi_33
13: DrSierra_32
14: Niobe_34 + 7
15: Cassia_34
16: Turab_32 + 1
17: Amplonia_32 + 1
18: AGrandiflora_34
19: KeAlli_33
20: Wildwest_33
21: Janeemi_35
22: Ascela_34 + 1
23: Yang_33 + 1
24: Amyev_33 + 3
25: Joemato_33 + 2
26: ObiToo_36 + 1
27: Sue2_34
28: Mudpuppy_32
29: Reedo_32
30: Adolin_32
31: IttyBittyPiggy_33
32: DrManhattan_32
33: VResidence_33
34: MaGuCo_34 + 1
35: Liebe_36 + 1
36: Tweety19_33 + 1
37: LadyAstra_41 + 1
38: JohnThicc_42 + 1
39: JasmineDragon_39 + 2
40: AceofSpades_40
41: Emotion_38
42: VroomVroom_39
43: Stuu_31 + 3
44: Gambol_31 + 3
45: Kalimba_31
46: Donkey_31
47: Moss_31
48: Ashes_31 + 2
49: SpecialK_31
50: RockScotty_31

Pham 304579

51: Soondubu_31 + 1
52: Thonko_81
53: ScoobyDoobyDoo_73
54: Greely_81 + 1
55: Myrna_77
56: Gollum_46 + 32
57: Hiro_46 + 1
58: Partridge_45
59: RGL3_40
60: AppleCloud_43
61: PhinkBoden_125 + 4
62: Geeche_123 + 9
63: WilliamBoone_123
64: OneOp_110
65: BrutonGaster_100
66: Banquo_62
67: Golb_64 + 3
68: DinoDaryn_63 + 1
69: TinaLin_62
70: Gspurl_55
71: Dardanus_57
72: Schmidt_57
73: Catfish_63
74: JonJames_133 + 1
75: Cardigan_134
76: DatBoi_82
77: Bantam_85 + 1
78: Mollymur_85
79: Daredevil_75 + 1
80: Skog_140
81: CherryTomatoes_78 + 2
82: Stark_38 + 114
83: Harella_36 + 21
84: Bogg_38 + 3
85: Budgie_39
86: GardenState_42 + 1
87: Floof_43
88: Caron_44
89: SuMoo_44
90: Cen1621_38
91: Mabodamaca_42
92: Percival_43
93: Zeta1847_35
94: Honk_39
95: Barnstormer_41 + 1
96: SuperHands_41 + 2
97: KingKamren_9
98: Zhengyi_9 + 1
99: Unphazed_9 + 1
100: MiamiPanther_9 + 1

Pham 304579

101: HitchHiker_10 + 2
102: CrunchyBoi_10 + 1
103: Salvatore2000_9 + 3
104: Corn21_9
105: LilyLou_9
106: Stormbreaker_9 + 1
107: Dashyla_9 + 3
108: Conditioner_9
109: Birdfeeder_9
110: TicTac_9
111: AnMaWen_9
112: Pabst_9
113: TinyTimothy_9
114: ThirteenKH_9 + 2
115: Truong_9 + 3
116: RicoCaldo_9
117: Ashton_9 + 2
118: StagePhright_9 + 4
119: JimmyPG_9
120: Astartes_9 + 3
121: Atraxi_9 + 1
122: Yafa_9
123: Fede_9 + 1
124: SoilSleuth_9
125: AloeVera_9
126: Count_87
127: Kikiko_7
128: MissAmericana_7
129: Kumotta_57 + 1
130: Patbob_107 + 7
131: WaddleDee_95 + 5
132: LeoJr_107 + 1
133: Rockabye_113
134: Chilliams_107
135: Panchaali_99
136: Phrampa_101
137: ReginaGlobina_107
138: KSunshine22_102
139: SJReid_112
140: Stewart25555_99
141: GOPitcher_54
142: DreamEater_53
143: Vitus_40
144: BlackJade_54
145: GoldDust_40 + 1
146: SunnyJune_47
147: AirForce1_46
148: Music_39 + 1
149: Divya_49
150: Orkz_49

Pham 304579

151: Jinkies_45
152: Hirko_38
153: GrimEater_31
154: Jankie_33
155: CallinAllBarbz_34
156: BaileyBlu_34
157: LisoBros_35
158: Pitbull_58
159: TMaxx_3
160: Neuvillette_3 + 6
161: Ezurina_2
162: Makima_4
163: Audell_6
164: LastNadila_6
165: TripleC_6
166: Mireles_3
167: Studio_2
168: Agamotto_5
169: Khuang_61
170: Altostratus_60
171: WaterT_52 + 1
172: BarnCat_46
173: Lifes_48
174: Cassita_54
175: Dodo_214 + 1
176: A3Wally_20 + 1
177: PaulioDiaboli_218
178: PaulioDiaboli_20 + 3
179: Big4_346 + 1
180: Zooman_185 + 1
181: Zooman_18 + 1
182: Erasmago_208
183: Cece_195
184: Pumpernickel_201
185: Stuck_67 + 1
186: Ejimix_52 + 10
187: JuicyJay_54 + 4
188: Wanda_58 + 7
189: Omega_56 + 9
190: Nibley_46 + 3
191: Rearden_46
192: Dove_49 + 2
193: Bobby_51 + 2
194: Eevee_51 + 2
195: Serenabean_52
196: Daddyjeff_52 + 1
197: Pippin15_52
198: Sweetclover_51
199: Pixie_67 + 1
200: SheilockHolmes_69 + 2

Pham 304579

201: MacnCheese_70
202: Pharb_67 + 1
203: Gengar_60 + 2
204: Kratio_58 + 7
205: Breezona_32 + 20
206: Bazzle_32 + 1
207: Baoshan_31
208: Zakai_32
209: LilDestine_32
210: Samty_31 + 13
211: LiyuLake_31 + 2
212: Krypton555_31
213: Whirlwind_32
214: Bromden_32
215: Kropertea_30 + 3
216: Douge_30
217: Aegeus_33 + 1
218: RoseMarie_41
219: Shweta_51
220: Riparian_40 + 3
221: Zenon_41 + 4
222: MontyDev_40
223: Stellamm_36
224: Laure_112
225: Cosmo_53 + 4
226: Kumao_40
227: Mbo4_60
228: Footloose_59
229: BFK20_ORF53
230: DS6A_74
231: EmiRose_45
232: Tallonex_48
233: 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 304579 Report

This analysis was run 06/08/26 on database version 649.

Pham number 304579 has 643 members, 96 are drafts.

Phages represented in each track:
- Track 1 : Blue_61
- Track 2 : Indlulamithi_37
- Track 3 : Onyinye_53, Leopard_52, Aikoy_52
- Track 4 : ThursdayNight_37
- Track 5 : Cyan_33
- Track 6 : Tuck_36, Community_34, Phives_35
- Track 7 : Kaylissa_33, JuneStar_33, YesChef_33, Powerpuff_35
- Track 8 : Tutumahutu_33, Flutur_33, Warda_33, Tbone_32
- Track 9 : Berrie_34
- Track 10 : Nitro_33, Lizalica_32, Pumpkins_33, TforTroy_34
- Track 11 : PandaPo_32, MissSwiss_32
- Track 12 : Tallboi_33
- Track 13 : DrSierra_32
- Track 14 : Niobe_34, Eraser_34, Jstan_36, Skelbel_35, Elezi_34, Asa16_34, London_34, Subaru_35
- Track 15 : Cassia_34
- Track 16 : Turab_32, Adumb2043_32
- Track 17 : Amploria_32, AEgle_32
- Track 18 : AGrandiflora_34
- Track 19 : KeAlii_33
- Track 20 : Wildwest_33
- Track 21 : Janeemi_35
- Track 22 : Ascela_34, Iter_34
- Track 23 : Yang_33, Schaffner_33
- Track 24 : Amyev_33, Lego_33, Tian_33, Pixelle_33
- Track 25 : Joemato_33, JohnDoe_33, Simpson_35
- Track 26 : ObiToo_36, Crewmate_37
- Track 27 : Sue2_34
- Track 28 : Mudpuppy_32
- Track 29 : Reedo_32
- Track 30 : Adolin_32
- Track 31 : IttyBittyPiggy_33
- Track 32 : DrManhattan_32
- Track 33 : VResidence_33
- Track 34 : MaGuCo_34, Maureen_36
- Track 35 : Liebe_36, IUFootball_36
- Track 36 : Tweety19_33, Snek_33

• Track 37 : LadyAstra_41, Origami_41
• Track 38 : JohnThicc_42, FiveHead_43
• Track 39 : JasmineDragon_39, ShakeItOph_39, MiniMommy_40
• Track 40 : AceofSpades_40
• Track 41 : Emotion_38
• Track 42 : VroomVroom_39
• Track 43 : Stuu_31, Giorgio_31, Mysterium_31, Gumpizza_31
• Track 44 : Gambol_31, Cappuccino_31, Sooty_31, Sabourin_31
• Track 45 : Kalimba_31
• Track 46 : Donkey_31
• Track 47 : Moss_31
• Track 48 : Ashes_31, Halsey_31, Beaupre_31
• Track 49 : SpecialK_31
• Track 50 : RockScotty_31
• Track 51 : Soondubu_31, Exile_31
• Track 52 : Thonko_81
• Track 53 : ScoobyDoobyDoo_73
• Track 54 : Greely_81, Phabba_83
• Track 55 : Myrna_77
• Track 56 : Gollum_46, BobbyDazzler_46, Lillie_46, Jester_45, Bryce_45, Yoncess_45, StCroix_45, AngryOrchard_44, RexFury_45, Takoda_46, Nancinator_46, Rhodalysa_46, Yogi_45, Espica_46, Bradshaw_46, Krishelle_46, Dinger_45, UhSalsa_46, Natosaleda_45, Shuman_46, Naiad_45, CosmicSans_46, Bonanza_46, Belenaria_46, Harlequin_45, RER2_39, TWAMP_46, Phrankenstein_46, Alatin_45, Swann_46, Erik_46, Rasputin_46, Alpacados_45
• Track 57 : Hiro_46, PhailMary_45
• Track 58 : Partridge_45
• Track 59 : RGL3_40
• Track 60 : AppleCloud_43
• Track 61 : PhinkBoden_125, Bachita_128, Toniann_125, Cucurbita_126, Engineer_127
• Track 62 : Geeche_123, Miskis_120, Culver_125, Aphelion_125, Abscondus_124, Lozinak_125, Norvs_124, Dusty_122, ClubL_125, Smoothie_126
• Track 63 : WilliamBoone_123
• Track 64 : OneUp_110
• Track 65 : BrutonGaster_100
• Track 66 : Banquo_62
• Track 67 : Goib_64, Splinter_63, TZGordon_64, Vendetta_63
• Track 68 : DinoDaryn_63, Huffy_63
• Track 69 : TinaLin_62
• Track 70 : Gsput1_55
• Track 71 : Dardanus_57
• Track 72 : Schmidt_57
• Track 73 : Catfish_63
• Track 74 : JonJames_133, Yvonnetastic_129
• Track 75 : Cardigan_134
• Track 76 : DatBoi_82
• Track 77 : Bantam_85, SpeedDemon_860
• Track 78 : Mollymur_85
• Track 79 : Daredevil_75, Towmatter_75
• Track 80 : Skog_140
• Track 81 : CherryTomatoes_78, SCentae_76, Pupper_77

• Track 82 : Stark_38, Elph10_38, Maxxinista_38, Moldemort_38, Emmina_38, Gage_39, StormChicken_37, HufflyPuff_36, Nimrod_37, Petra64142_39, FireRed_37, Gator_35, DrDrey_38, Paperbeatsrock_39, MollyToe_37, Czyszczon1_38, StellaBean_37, Rimmer_36, Policronamos_37, Buck_36, Kostya_38, FoghornLeghorn_36, Kanye_39, TeardropMSU_36, Thresher_38, GoldenSpark_39, Sassay_36, Tarkin_39, 244_39, Simpliphy_38, HanKaySha_38, Argent26_39, MISSy_36, Rakim_38, Ukulele_37, Asriel_36, MadamMonkfish_37, BilboSwaggins_37, Myrale_37, Manda_38, Dumbo_37, Becksu_37, TeamEdward_37, YassJohnny_38, SophKB_37, Cactus_38, GooberAzure_39, Hopey_39, Miniwave_37, PhatBacter_37, JeTaime_39, FairyPath_37, BugsBunny_35, Icee_36, Teaspoon_38, MPhalcon_36, Adnama_40, Highbury_38, Kimchi_39, Livelaughbron_38, Saints25_38, Easy2Say_39, Bask21_37, Stank_40, StolenFromERC_39, Tuco_38, Quallification_38, NonchalantPear_37, Palpatine_37, Cjw1_37, Hoonter_39, Traaww1_35, Lilac_39, Filch_38, Barbarian_36, Phaux_36, Sotrice96_37, NelitzaMV_37, RiverMonster_37, Lilpickle_36, Terminus_37, AmericanBeauty_39, Goldilocks_38, Murphy_38, Bench_39, Command613_38, Phrux_37, CrystalP_37, Elite2014_36, Misfit_37, Ptowny_38, Wiggin_40, Lilizi_39, ChosenOne_37, ABCat_36, Bruin_37, Xandras_39, Willez_36, Gemini_40, Thimble_37, PaddyBaddy_38, Nala_37, Marshmallow_37, ShamWow_37, Porky_37, TBrady12_39, Pumpkin_39, xkcd_38, NoSleep_38, OrionPax_38, Greep_38, Toto_37, Pharsalus_38, Murica_36, Inca_36
• Track 83 : Harella_36, Tomaszewski_36, SirDuracell_36, Glexan_35, ChotaBhai_37, Youngblood_37, Pat3_36, Dusk_36, Balomoji_36, BadStone_36, Contagion_36, Mindy_37, Mosby_36, Amao_37, BigBubba_38, Brewer_37, Flypotenuse_35, Henry_38, DoctorDiddles_37, Holt_38, Daikon_36, Cookies_37
• Track 84 : Bogg_38, BaboJay_37, Eureka_38, Goku_38
• Track 85 : Budgie_39
• Track 86 : GardenState_42, IAmGroot_42
• Track 87 : Floof_43
• Track 88 : Caron_44
• Track 89 : SuMoo_44
• Track 90 : Cen1621_38
• Track 91 : Mabodamaca_42
• Track 92 : Percival_43
• Track 93 : Zeta1847_35
• Track 94 : Honk_39
• Track 95 : Barnstormer_41, UtzChips_41
• Track 96 : SuperHands_41, Forester_41, Gretchen_42
• Track 97 : KingKamren_9
• Track 98 : Zhengyi_9, EugeneKrabs_9
• Track 99 : Unphazed_9, DumpQuist_9
• Track 100 : MiamiPanther_9, JessellCookie_9
• Track 101 : HitchHiker_10, Oatly_9, Biozilla_9
• Track 102 : CrunchyBoi_10, PineapplePluto_10
• Track 103 : Salvatore2000_9, YellowPanda_9, Sorvannah_9, Wesak_9
• Track 104 : Corn21_9
• Track 105 : LilyLou_9
• Track 106 : Stormbreaker_9, Alex44_9
• Track 107 : Dashyla_9, Xitlalli_9, SwissCheezer_9, Phogo_9
• Track 108 : Conditioner_9
• Track 109 : Birdfeeder_9
• Track 110 : TicTac_9
• Track 111 : ArMaWen_9

• Track 112 : Pabst_9
• Track 113 : TinyTimothy_9
• Track 114 : ThirteenKH_9, TrippleS_9, Mazun_9
• Track 115 : Truong_9, Barroma_9, JordanFarm_9, ShyRosie_9
• Track 116 : RicoCaldo_9
• Track 117 : Ashton_9, Waterlily_9, Akoni_9
• Track 118 : StagePhright_9, Fullmetal_9, Phractured_9, Phedro_9, Pharky_9
• Track 119 : JimmyPG_9
• Track 120 : Astartes_9, PhriedRice_9, Moleficent_9, Keough_9
• Track 121 : Atraxi_9, Morrill_9
• Track 122 : Yafa_9
• Track 123 : Fede_9, Kosier_9
• Track 124 : SoilSleuth_9
• Track 125 : AloeVera_9
• Track 126 : Count_87
• Track 127 : Kikiko_7
• Track 128 : MissAmericana_7
• Track 129 : Kumotta_57, MargaretKali_53
• Track 130 : Patbob_107, FrostedClock_111, Talia1610_108, FloraSnap32_108, Racecar_109, Bloom_112, Mimi_108, GoldenEssence_94
• Track 131 : WaddleDee_95, Ellewin_96, Artu_100, DunneganBoMo_97, Emmetator_100, BooTeria_104
• Track 132 : LeoJr_107, Atuin_102
• Track 133 : Rockabye_113
• Track 134 : Chilliams_107
• Track 135 : Panchaali_99
• Track 136 : Phrampa_101
• Track 137 : ReginaGlobina_107
• Track 138 : KSunshine22_102
• Track 139 : SJReid_112
• Track 140 : Stewart25555_99
• Track 141 : GUPitcher_54
• Track 142 : DreamEater_53
• Track 143 : Vitus_40
• Track 144 : BlackJade_54
• Track 145 : GoldDust_40, Gooberta_40
• Track 146 : SunnyJune_47
• Track 147 : AirForce1_46
• Track 148 : Music_39, Vibaki_39
• Track 149 : Divya_49
• Track 150 : Orkz_49
• Track 151 : Jinkies_45
• Track 152 : Hirko_38
• Track 153 : GrimEater_31
• Track 154 : Jankie_33
• Track 155 : CallinAllBarbz_34
• Track 156 : BaileyBlu_34
• Track 157 : LisoBros_35
• Track 158 : Pitbull_58
• Track 159 : TMaxx_3
• Track 160 : Neuvillette_3, Gerri43_3, ChipsNGuac_3, CardboardBox_3, Roberts_3, AnnabelLee_3, ChamoyPickle_3
• Track 161 : Ezurina_2

• Track 162 : Makima_4
• Track 163 : Audell_6
• Track 164 : LastNadiia_6
• Track 165 : TripleC_6
• Track 166 : Mireles_3
• Track 167 : Studio_2
• Track 168 : Agamotto_5
• Track 169 : Khuang_61
• Track 170 : Altostratus_60
• Track 171 : WaterT_52, LeeroyJenkins_54
• Track 172 : BarnCat_46
• Track 173 : Lifes_48
• Track 174 : Cassita_54
• Track 175 : Dodo_214, A3Wally_218
• Track 176 : A3Wally_20, A3Wally_373
• Track 177 : PauloDiaboli_218
• Track 178 : PauloDiaboli_20, PauloDiaboli_375, Dodo_367, Dodo_21
• Track 179 : Big4_346, Big4_20
• Track 180 : Zooman_185, Big4_204
• Track 181 : Zooman_18, Zooman_331
• Track 182 : Erasmago_208
• Track 183 : Cece_195
• Track 184 : Pumpernickel_201
• Track 185 : Stuck_67, Bluvara_58
• Track 186 : Ejimix_52, Halley_52, HokkenD_45, EricMillard_52, Beem_52, Hughesyang_50, Bagrid_51, Yeet_50, ThreeRngTarjay_50, Kalah2_52, BAKA_56
• Track 187 : JuicyJay_54, Klein_52, DmpstrDiver_53, Schatzie_49, Odette_52
• Track 188 : Wanda_58, Minerva_58, Bombitas_49, Pound_54, NihilNomen_51, Duke13_55, Optimus_57, Phoebus_51
• Track 189 : Omega_56, Porcelain_50, Lucky2013_51, Ariel_51, Nekros_50, Thibault_45, LittleE_56, Courthouse_51, MiaZeal_51, Superphikiman_51
• Track 190 : Nibley_46, Redno2_50, Dallas_54, Zelink_53
• Track 191 : Rearden_46
• Track 192 : Dove_49, Constella_44, Xiaokay_47
• Track 193 : Bobby_51, Hannaconda_48, KashFlow_45
• Track 194 : Eevee_51, JoyLin_51, Yotsuba_51
• Track 195 : Serenabean_52
• Track 196 : Daddyjeff_52, AddiRose_51
• Track 197 : Pippin15_52
• Track 198 : Sweetclover_51
• Track 199 : Pixie_67, TBond007_64
• Track 200 : ShedlockHolmes_69, Hurricane_68, Lea83_68
• Track 201 : MacnCheese_70
• Track 202 : Pharb_67, TribleTrouble_68
• Track 203 : Gengar_60, Miryou_64, OkiRoe_61
• Track 204 : Kratio_58, Agent47_60, ViviJ_59, DoubleChamp_57, Collard_58, LilDirt_59, BananenDer11_60, InvictusManeo_58
• Track 205 : Breezona_32, Winky_32, Vetrix_32, Gardann_32, Wilder_32, Netyap_32, Underpass_32, Miley16_32, Faith1_32, Gabriela_32, DrSeegs_32, Finemlucis_32, Wigglewiggle_32, MkaliMitinis3_32, Crossroads_32, Itos_32, Loadrie_32, BigCheese_32, BobsGarage_32, GuuelaD_32, Nicholasp3_32
• Track 206 : Bazzle_32, Archie_32
• Track 207 : Baoshan_31

• Track 208 : Zakai_32
• Track 209 : LilDestine_32
• Track 210 : 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 211 : LiyuLake_31, Ellson_31, DuncansLeg_31
• Track 212 : Krypton555_31
• Track 213 : Whirlwind_32
• Track 214 : Bromden_32
• Track 215 : Kropertea_30, ChutneyChips_31, Chaser_30, DyoEdafos_31
• Track 216 : Douge_30
• Track 217 : Aegeus_33, Baudelaire_33
• Track 218 : RoseMarie_41
• Track 219 : Shweta_51
• Track 220 : Riparian_40, Weiss13_40, Rope_40, Papyrus_40
• Track 221 : Zenon_41, Send513_40, Nilo_41, Yelo_40, Candle_40
• Track 222 : MontyDev_40
• Track 223 : Stellammi_36
• Track 224 : Laure_112
• Track 225 : Cosmo_53, Azrael100_52, EniyanLRS_50, MaryV_53, Wildcat_53
• Track 226 : Kumao_40
• Track 227 : Mbo4_60
• Track 228 : Footloose_59
• Track 229 : BFK20_ORF53
• Track 230 : DS6A_74
• Track 231 : EmiRose_45
• Track 232 : Tailonex_48
• Track 233 : 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 97, it was called in 235 of the 547 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 244_39, A3Wally_218, ABCat_36, Adnama_40, Aikoy_52, Altostratus_60, Amao_37, AmericanBeauty_39, Archie_32, Argent26_39, Artu_100, Asriel_36, Atuin_102, BAKA_56, BadStone_36, Bagrid_51, Balomoji_36, Baoshan_31, Barbarian_36, Bask21_37, Bazzle_32, Becksu_37, Beem_52, Bellis_31, Bench_39, Big4_204, BigBubba_38, BigCheese_32, BilboSwaggins_37, Bloom_112, Bobby_51, BobsGarage_32, Bombitas_49, BooTeria_104, Breezona_32, Brewer_37, Bromden_32, Bruin_37, Buck_36, Budgie_39, BugsBunny_35, Cactus_38, Cece_195, Chaser_30, Chilliams_107, ChosenOne_37, ChotaBhai_37, ChutneyChips_31, Cjw1_37, Clautastrophe_31, Command613_38, Constella_44, Contagion_36, Cookies_37, Crossroads_32, CrystalP_37, Czyszczon1_38, DS6A_74, Daikon_36, Dallas_54, DmpstrDiver_53, DoctorDiddles_37, Dodo_214, Douge_30, Dove_49, DrDrey_38, DrSeegs_32, Duke13_55, Dumbo_37, DuncansLeg_31, DunneganBoMo_97, Dusk_36, DyoEdafos_31, Easy2Say_39, Ejimix_52, Elite2014_36, Ellewin_96, Ellson_31, Elph10_38, Emmetator_100, Emmina_38, Erasmago_208, EricMillard_52, Exile_31, FairyPath_37, Faith1_32,

Filch_38, Finemlucis_32, Finnry_31, FireRed_37, FloraSnap32_108, Flypotenuse_35, FoghornLeghorn_36, FrostedClock_111, Gabriela_32, Gage_39, Gardann_32, Gator_35, Gemini_40, Glexan_35, GoldenEssence_94, GoldenSpark_39, Goldilocks_38, GooberAzure_39, Greely_81, Greep_38, GrimEater_31, GuuelaD_32, Halley_52, HanKaySha_38, Hannaconda_48, Harella_36, Henry_38, Highbury_38, HokkenD_45, Holt_38, Hoonter_39, Hopey_39, HufflyPuff_36, Hughesyang_50, Icee_36, Inca_36, Itos_32, Jankie_33, JeTaime_39, Jubie_31, JuicyJay_54, KSunshine22_102, Kalah2_52, Kanye_39, KashFlow_45, Khuang_61, Kimchi_39, Kingsolomon_31, Klein_52, Kostya_38, Kropertea_30, Krypton555_31, LeoJr_107, Leopard_52, LilDestine_32, Lilac_39, Lilizi_39, Lilpickle_36, LisoBros_35, Livelaughbron_38, LiyuLake_31, Loadrie_32, Lolly9_31, Lumos_31, MISSy_36, MPhalcon_36, MadamMonkfish_37, Manda_38, Marshmallow_37, Maxxinista_38, Mbo4_60, Miley16_32, Mimi_108, Mindy_37, Minerva_58, MiniLon_31, MiniMac_31, Miniwave_37, Misfit_37, MkaliMitinis3_32, Moldemort_38, MollyToe_37, Mosby_36, MsGreen_31, Murica_36, Murphy_38, Myrale_37, Myrna_77, Nala_37, NelitzaMV_37, Netyap_32, Nibley_46, Nicholas_31, Nicholasp3_32, NihilNomen_51, Nimrod_37, NoSleep_38, NonchalantPear_37, Odette_52, Onyinye_53, Optimus_57, OrionPax_38, Orkz_49, PaddyBaddy_38, Palpatine_37, Panchaali_99, Paperbeatsrock_39, Pat3_36, Patbob_107, PauloDiaboli_218, Petra64142_39, Phabba_83, Pharsalus_38, PhatBacter_37, Phaux_36, Phoebus_51, Phrampa_101, Phrux_37, Policronamos_37, Porky_37, Pound_54, Ptowny_38, Pumpernickel_201, Pumpkin_39, Quallification_38, Racecar_109, Rakim_38, Rearden_46, Redno2_50, ReginaGlobina_107, Rimmer_36, RiverMonster_37, Rockabye_113, SJReid_112, Saints25_38, Samty_31, Sassay_36, Schatzie_49, ShamWow_37, Simpliphy_38, SirDuracell_36, Snenia_31, Soondubu_31, SophKB_37, Sotrice96_37, Stank_40, Stark_38, StellaBean_37, Stewart25555_99, StolenFromERC_39, StormChicken_37, TBrady12_39, TMaxx_3, Talia1610_108, Tarkin_39, TeamEdward_37, TeardropMSU_36, Teaspoon_38, Terminus_37, Thimble_37, ThreeRngTarjay_50, Thresher_38, Tomaszewski_36, Toto_37, Traaww1_35, TriFive_31, Tuco_38, Ukulele_37, Underpass_32, Vetrix_32, WaddleDee_95, Wanda_58, Whirlwind_32, Wiggin_40, Wigglewiggle_32, Wilder_32, Willez_36, Winky_32, Xandras_39, Xiaokay_47, YassJohnny_38, Yeet_50, Youngblood_37, Zakai_32, Zelink_53, Zooman_18, Zooman_185, Zooman_331, xkcd_38,

Genes that have the "Most Annotated" start but do not call it:
• Aegeus_33, Agamotto_5, Baudelaire_33, Jinkies_45,

Genes that do not have the "Most Annotated" start:
• A3Wally_20, A3Wally_373, AEgle_32, AGrandiflora_34, Abscondus_124, AceofSpades_40, AddiRose_51, Adolin_32, Adumb2043_32, Agent47_60, AirForce1_46, Akoni_9, Alatin_45, Alex44_9, AloeVera_9, Alpacados_45, Amploria_32, Amyev_33, AngryOrchard_44, AnnabelLee_3, Aphelion_125, AppleCloud_43, ArMaWen_9, Ariel_51, Asa16_34, Ascela_34, Ashes_31, Ashton_9, Astartes_9, Atraxi_9, Audell_6, Azrael100_52, BFK20_ORF53, BaboJay_37, Bachita_128, BaileyBlu_34, BananenDer11_60, Banquo_62, Bantam_85, BarnCat_46, Barnstormer_41, Barroma_9, Beaupre_31, Belenaria_46, Berrie_34, Big4_20, Big4_346, Biozilla_9, Birdfeeder_9, BlackJade_54, Blue_61, Bluvara_58, BobbyDazzler_46, Bogg_38, Bonanza_46, Bradshaw_46, BrutonGaster_100, Bryce_45, CallinAllBarbz_34, Candle_40, Cappuccino_31, CardboardBox_3, Cardigan_134, Caron_44, Cassia_34, Cassita_54, Catfish_63, Cen1621_38, ChamoyPickle_3, CherryTomatoes_78, ChipsNGuac_3, ClubL_125, Collard_58, Community_34, Conditioner_9, Corn21_9, CosmicSans_46, Cosmo_53, Count_87, Courthouse_51, Crewmate_37, CrunchyBoi_10, Cucurbita_126, Culver_125,

Cyan_33, Daddyjeff_52, Dardanus_57, Daredevil_75, Dashyla_9, DatBoi_82, Dinger_45, DinoDaryn_63, Divya_49, Dodo_21, Dodo_367, Donkey_31, DoubleChamp_57, DrManhattan_32, DrSierra_32, DreamEater_53, DumpQuist_9, Dusty_122, Eevee_51, Elezi_34, EmiRose_45, Emotion_38, Engineer_127, EniyanLRS_50, Eraser_34, Erik_46, Espica_46, EugeneKrabs_9, Eureka_38, Ezurina_2, Fede_9, FiveHead_43, Floof_43, Flutur_33, Footloose_59, Forester_41, Fullmetal_9, GUPitcher_54, Gambol_31, GardenState_42, Geeche_123, Gengar_60, Gerri43_3, Giorgio_31, Goib_64, Goku_38, GoldDust_40, Gollum_46, Gooberta_40, Gretchen_42, Gsput1_55, Gumpizza_31, Halsey_31, Harlequin_45, Hirko_38, Hiro_46, HitchHiker_10, Honk_39, Huffy_63, Hurricane_68, IAmGroot_42, IUFootball_36, Indlulamithi_37, InvictusManeo_58, Iter_34, IttyBittyPiggy_33, Janeemi_35, JasmineDragon_39, JessellCookie_9, Jester_45, JimmyPG_9, Joemato_33, JohnDoe_33, JohnThicc_42, JonJames_133, JordanFarm_9, JoyLin_51, Jstan_36, JuneStar_33, Kalimba_31, Kaylissa_33, KeAlii_33, Keough_9, Kikiko_7, KingKamren_9, Kosier_9, Kratio_58, Krishelle_46, Kumao_40, Kumotta_57, LadyAstra_41, LastNadiia_6, Laure_112, Lea83_68, LeeroyJenkins_54, Lego_33, Liebe_36, Lifes_48, LilDirt_59, Lillie_46, LilyLou_9, LittleE_56, Lizalica_32, London_34, Lozinak_125, Lucky2013_51, MaGuCo_34, Mabodamaca_42, MacnCheese_70, Makima_4, MargaretKali_53, MaryV_53, Maureen_36, Mazun_9, MiaZeal_51, MiamiPanther_9, MiniMommy_40, Mireles_3, Miryou_64, Miskis_120, MissAmericana_7, MissSwiss_32, Moleficent_9, Mollymur_85, MontyDev_40, Morrill_9, Moss_31, Mudpuppy_32, Music_39, Mysterium_31, Naiad_45, Nancinator_46, Natosaleda_45, Nekros_50, Neuvillette_3, Nilo_41, Niobe_34, Nitro_33, Norvs_124, Oatly_9, ObiToo_36, OkiRoe_61, Omega_56, OneUp_110, Origami_41, Pabst_9, PandaPo_32, Papyrus_40, Partridge_45, PauloDiaboli_20, PauloDiaboli_375, Percival_43, PhailMary_45, Pharb_67, Pharky_9, Phedro_9, PhinkBoden_125, Phives_35, Phogo_9, Phractured_9, Phrankenstein_46, PhriedRice_9, PineapplePluto_10, Pippin15_52, Pitbull_58, Pixelle_33, Pixie_67, Porcelain_50, Powerpuff_35, Pumpkins_33, Pupper_77, RER2_39, RGL3_40, Rasputin_46, Reedo_32, RexFury_45, Rhodalysa_46, RicoCaldo_9, Riparian_40, Roberts_3, RockScotty_31, Rope_40, RoseMarie_41, SCentae_76, Sabourin_31, Salvatore2000_9, Schaffner_33, Schmidt_57, ScoobyDoobyDoo_73, Send513_40, Serenabean_52, ShakeItOph_39, ShedlockHolmes_69, Shuman_46, Shweta_51, ShyRosie_9, Simpson_35, Skelbel_35, Skog_140, Smoothie_126, Snek_33, SoilSleuth_9, Sooty_31, Sorvannah_9, SpecialK_31, SpeedDemon_860, Splinter_63, StCroix_45, StagePhright_9, Stellammi_36, Stormbreaker_9, Stuck_67, Studio_2, Stuu_31, SuMoo_44, Subaru_35, Sue2_34, SunnyJune_47, SuperHands_41, Superphikiman_51, Swann_46, Sweetclover_51, SwissCheezer_9, TBond007_64, TWAMP_46, TZGordon_64, Tailonex_48, Takoda_46, Tallboi_33, Tbone_32, TforTroy_34, Thibault_45, ThirteenKH_9, Thonko_81, ThursdayNight_37, Tian_33, TicTac_9, TinaLin_62, TinyTimothy_9, Toniann_125, Towmatter_75, TribleTrouble_68, TripleC_6, TrippleS_9, Truong_9, Tuck_36, Turab_32, Tutumahutu_33, Tweety19_33, UhSalsa_46, Unphazed_9, UtzChips_41, VResidence_33, Vendetta_63, Vibaki_39, Vitus_40, ViviJ_59, VroomVroom_39, Warda_33, WaterT_52, Waterlily_9, Weiss13_40, Wesak_9, Wildcat_53, Wildwest_33, WilliamBoone_123, Xitlalli_9, Yafa_9, Yang_33, Yappy_50, YellowPanda_9, Yelo_40, YesChef_33, Yogi_45, Yoncess_45, Yotsuba_51, Yvonnetastic_129, Zenon_41, Zeta1847_35, Zhengyi_9,

Summary by start number:

Start 58:
• Found in 3 of 643 (0.5%) of genes in pham

• Manual Annotations of this start: 1 of 547
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Cen1621_38 (EH),

Start 65:
• Found in 2 of 643 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 547
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DreamEater_53 (FJ), GUPitcher_54 (FJ),

Start 66:
• Found in 6 of 643 (0.9%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: ThursdayNight_37 (AZ),

Start 68:
• Found in 1 of 643 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 547
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Yappy_50 (singleton),

Start 69:
• Found in 4 of 643 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 547
• Called 50.0% of time when present
• Phage (with cluster) where this start called: MaGuCo_34 (AZ2), Maureen_36 (AZ2),

Start 70:
• Found in 2 of 643 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 547
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Floof_43 (EH),

Start 71:
• Found in 4 of 643 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 547
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Music_39 (FL), Vibaki_39 (FL), Vitus_40 (FL),

Start 72:
• Found in 2 of 643 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 547
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BrutonGaster_100 (CQ2), OneUp_110 (CQ2),

Start 74:
• Found in 6 of 643 (0.9%) of genes in pham
• Manual Annotations of this start: 6 of 547
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Bantam_85 (DL), Daredevil_75 (DL), DatBoi_82 (DL), Mollymur_85 (DL), SpeedDemon_860 (DL), Towmatter_75 (DL),

Start 75:
• Found in 9 of 643 (1.4%) of genes in pham
• Manual Annotations of this start: 6 of 547
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AEgle_32 (AZ1), Adolin_32 (AZ1), Adumb2043_32 (AZ1), Amploria_32 (AZ1), DrManhattan_32 (AZ1), IttyBittyPiggy_33 (AZ1), KeAlii_33 (AZ1), Tallboi_33 (AZ1), Turab_32 (AZ1),

Start 76:
• Found in 3 of 643 (0.5%) 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 77:
• Found in 1 of 643 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 547
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Honk_39 (EH),

Start 78:
• Found in 46 of 643 (7.2%) of genes in pham
• Manual Annotations of this start: 39 of 547
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AGrandiflora_34 (AZ1), Asa16_34 (AZ1), Ascela_34 (AZ1), Barnstormer_41 (EH), Berrie_34 (AZ1), Caron_44 (EH), Cassia_34 (AZ1), Community_34 (AZ1), DrSierra_32 (AZ1), Elezi_34 (AZ1), Eraser_34 (AZ1), Flutur_33 (AZ), Forester_41 (EH), GardenState_42 (EH), Gretchen_42 (EH), IAmGroot_42 (EH), Iter_34 (AZ1), Janeemi_35 (AZ1), Joemato_33 (AZ1), JohnDoe_33 (AZ1), Jstan_36 (AZ1), Lizalica_32 (AZ1), London_34 (AZ1), Mabodamaca_42 (EH), Niobe_34 (AZ1), Nitro_33 (AZ1), Percival_43 (EH), Phives_35 (AZ1), Pumpkins_33 (AZ1), Schaffner_33 (AZ1), Simpson_35 (AZ1), Skelbel_35 (AZ1), Snek_33 (AZ3), SuMoo_44 (EH), Subaru_35 (AZ1), Sue2_34 (AZ1), SuperHands_41 (EH), Tbone_32 (AZ1), TforTroy_34 (AZ1), Tuck_36 (AZ1), Tutumahutu_33 (AZ1), Tweety19_33 (AZ3), UtzChips_41 (EH), Warda_33 (AZ1), Wildwest_33 (AZ1), Yang_33 (AZ1),

Start 80:
• Found in 16 of 643 (2.5%) of genes in pham
• Manual Annotations of this start: 13 of 547
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_124 (CQ1), Aphelion_125 (CQ1), Cardigan_134 (DD), ClubL_125 (CQ1), Culver_125 (CQ1), Dusty_122 (CQ1), Geeche_123 (CQ1), JonJames_133 (DD), Lozinak_125 (CQ1), Miskis_120 (CQ1), MissSwiss_32 (AZ1), Norvs_124 (CQ1), PandaPo_32 (AZ1), Smoothie_126 (CQ1), VResidence_33 (AZ1), Yvonnetastic_129 (DD),

Start 81:
• Found in 1 of 643 (0.2%) of genes in pham
• No Manual Annotations of this start.

• Called 100.0% of time when present
• Phage (with cluster) where this start called: BFK20_ORF53 (singleton),

Start 82:
• Found in 9 of 643 (1.4%) of genes in pham
• Manual Annotations of this start: 6 of 547
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Bachita_128 (CQ1), Cucurbita_126 (CQ1), Engineer_127 (CQ1), PhinkBoden_125 (CQ1), Toniann_125 (CQ1), WilliamBoone_123 (CQ1),

Start 84:
• Found in 13 of 643 (2.0%) of genes in pham
• Manual Annotations of this start: 3 of 547
• Called 61.5% 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 85:
• Found in 13 of 643 (2.0%) of genes in pham
• Manual Annotations of this start: 12 of 547
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amyev_33 (AZ1), Crewmate_37 (AZ1), Cyan_33 (AZ1), JuneStar_33 (AZ1), Kaylissa_33 (AZ1), Lego_33 (AZ1), Mudpuppy_32 (AZ1), ObiToo_36 (AZ1), Pixelle_33 (AZ1), Powerpuff_35 (AZ1), Reedo_32 (AZ1), Tian_33 (AZ1), YesChef_33 (AZ1),

Start 86:
• Found in 7 of 643 (1.1%) of genes in pham
• Manual Annotations of this start: 7 of 547
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CherryTomatoes_78 (DO), LastNadiia_6 (FR), Makima_4 (FR), Mireles_3 (FR), Pupper_77 (DO), SCentae_76 (DO), Skog_140 (DO),

Start 87:
• Found in 16 of 643 (2.5%) of genes in pham
• Manual Annotations of this start: 16 of 547
• 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), Gambol_31 (AZ5), Giorgio_31 (AZ5), Gumpizza_31 (AZ5), Halsey_31 (AZ5), Kalimba_31 (AZ5), Moss_31 (AZ5), Mysterium_31 (AZ5), RockScotty_31 (AZ5), Sabourin_31 (AZ5), Sooty_31 (AZ5), SpecialK_31 (AZ5), Stuu_31 (AZ5),

Start 88:
• Found in 38 of 643 (5.9%) of genes in pham
• Manual Annotations of this start: 36 of 547
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatin_45 (CA), Alpacados_45 (CA), AngryOrchard_44 (CA), AppleCloud_43 (CA), Belenaria_46 (CA), BobbyDazzler_46 (CA), Bonanza_46 (CA), Bradshaw_46 (CA), Bryce_45 (CA), CosmicSans_46 (CA),

Dinger_45 (CA), Erik_46 (CA), Espica_46 (CA), Gollum_46 (CA), Harlequin_45 (CA), Hiro_46 (CA), Jester_45 (CA), Krishelle_46 (CA), Lillie_46 (CA), Naiad_45 (CA), Nancinator_46 (CA), Natosaleda_45 (CA), Partridge_45 (CA), PhailMary_45 (CA), Phrankenstein_46 (CA), RER2_39 (CA), RGL3_40 (CA), Rasputin_46 (CA), RexFury_45 (CA), Rhodalysa_46 (CA), Shuman_46 (CA), StCroix_45 (CA), Swann_46 (CA), TWAMP_46 (CA), Takoda_46 (CA), UhSalsa_46 (CA), Yogi_45 (CA), Yoncess_45 (CA),

Start 89:
• Found in 4 of 643 (0.6%) of genes in pham
• Manual Annotations of this start: 4 of 547
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AddiRose_51 (JA), Daddyjeff_52 (JA), Serenabean_52 (JA), Sweetclover_51 (JA),

Start 90:
• Found in 21 of 643 (3.3%) of genes in pham
• Manual Annotations of this start: 21 of 547
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Banquo_62 (CU1), Candle_40 (R), Dardanus_57 (CU3), DinoDaryn_63 (CU1), EmiRose_45 (singleton), Goib_64 (CU1), Huffy_63 (CU1), Kumao_40 (singleton), MontyDev_40 (R), Nilo_41 (R), Papyrus_40 (R), Riparian_40 (R), Rope_40 (R), Send513_40 (R), Splinter_63 (CU1), TZGordon_64 (CU1), TinaLin_62 (CU1), Vendetta_63 (CU1), Weiss13_40 (R), Yelo_40 (R), Zenon_41 (R),

Start 91:
• Found in 80 of 643 (12.4%) of genes in pham
• Manual Annotations of this start: 58 of 547
• Called 97.5% of time when present
• Phage (with cluster) where this start called: AceofSpades_40 (AZ4), Akoni_9 (EK2), Alex44_9 (EK1), AloeVera_9 (EK2), AnnabelLee_3 (FR), ArMaWen_9 (EK1), Ashton_9 (EK2), Astartes_9 (EK2), Atraxi_9 (EK2), Barroma_9 (EK2), Biozilla_9 (EK1), Birdfeeder_9 (EK1), CardboardBox_3 (FR), ChamoyPickle_3 (FR), ChipsNGuac_3 (FR), Conditioner_9 (EK1), Corn21_9 (EK1), Count_87 (EL), CrunchyBoi_10 (EK1), Dashyla_9 (EK1), DumpQuist_9 (EK1), Emotion_38 (AZ4), EugeneKrabs_9 (EK), Ezurina_2 (FR), Fede_9 (EK2), FiveHead_43 (AZ4), Footloose_59 (singleton), Fullmetal_9 (EK2), Gerri43_3 (FR), HitchHiker_10 (EK1), JasmineDragon_39 (AZ4), JessellCookie_9 (EK1), JohnThicc_42 (AZ4), JordanFarm_9 (EK2), Keough_9 (EK2), KingKamren_9 (EK), Kosier_9 (EK2), LadyAstra_41 (AZ4), LilyLou_9 (EK1), Mazun_9 (EK2), MiamiPanther_9 (EK1), MiniMommy_40 (AZ4), Moleficent_9 (EK2), Morrill_9 (EK2), Neuvillette_3 (FR), Oatly_9 (EK1), Origami_41 (AZ4), Pabst_9 (EK1), Pharky_9 (EK2), Phedro_9 (EK2), Phogo_9 (EK1), Phractured_9 (EK2), PhriedRice_9 (EK2), PineapplePluto_10 (EK1), RicoCaldo_9 (EK2), Roberts_3 (FR), Salvatore2000_9 (EK1), ShakeItOph_39 (AZ4), ShyRosie_9 (EK2), SoilSleuth_9 (EK2), Sorvannah_9 (EK1), StagePhright_9 (EK2), Stormbreaker_9 (EK1), Studio_2 (FR), SwissCheezer_9 (EK1), ThirteenKH_9 (EK2), TicTac_9 (EK1), TinyTimothy_9 (EK1), TrippleS_9 (EK2), Truong_9 (EK2), Unphazed_9 (EK1), VroomVroom_39 (AZ4), Waterlily_9 (EK2), Wesak_9 (EK1), Xitlalli_9 (EK1), Yafa_9 (EK2), YellowPanda_9 (EK1), Zhengyi_9 (EK),

Start 92:
• Found in 5 of 643 (0.8%) of genes in pham

• Manual Annotations of this start: 3 of 547
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Pitbull_58 (FQ), Shweta_51 (N), Zeta1847_35 (EH),

Start 93:
• Found in 11 of 643 (1.7%) of genes in pham
• Manual Annotations of this start: 8 of 547
• Called 90.9% of time when present
• Phage (with cluster) where this start called: Agamotto_5 (FR), Audell_6 (FR), BaileyBlu_34 (FP), CallinAllBarbz_34 (FP), Catfish_63 (CU5), Gsput1_55 (CU2), JimmyPG_9 (EK2), Kikiko_7 (EM2), Schmidt_57 (CU4), TripleC_6 (FR),

Start 94:
• Found in 18 of 643 (2.8%) of genes in pham
• Manual Annotations of this start: 11 of 547
• Called 66.7% of time when present
• Phage (with cluster) where this start called: BaboJay_37 (E), Bogg_38 (E), Eevee_51 (JA), Eureka_38 (E), Goku_38 (E), Indlulamithi_37 (AC), JoyLin_51 (JA), Kumotta_57 (FB), MargaretKali_53 (FB), MissAmericana_7 (EM2), Pippin15_52 (JA), Yotsuba_51 (JA),

Start 95:
• Found in 5 of 643 (0.8%) of genes in pham
• Manual Annotations of this start: 5 of 547
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Azrael100_52 (V), Cosmo_53 (V), EniyanLRS_50 (V), MaryV_53 (V), Wildcat_53 (V),

Start 97:
• Found in 279 of 643 (43.4%) of genes in pham
• Manual Annotations of this start: 235 of 547
• Called 98.6% 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), Altostratus_60 (FS), Amao_37 (E), AmericanBeauty_39 (E), Archie_32 (L2), Argent26_39 (E), Artu_100 (FC), Asriel_36 (E), Atuin_102 (FC), BAKA_56 (J), BadStone_36 (E), Bagrid_51 (J), Balomoji_36 (E), Baoshan_31 (L2), Barbarian_36 (E), Bask21_37 (E), Bazzle_32 (L2), Becksu_37 (E), Beem_52 (J), Bellis_31 (L3), Bench_39 (E), Big4_204 (GD2), BigBubba_38 (E), BigCheese_32 (L2), BilboSwaggins_37 (E), Bloom_112 (FC), Bobby_51 (J), BobsGarage_32 (L2), Bombitas_49 (J), BooTeria_104 (FC), Breezona_32 (L2), Brewer_37 (E), Bromden_32 (L4), Bruin_37 (E), Buck_36 (E), Budgie_39 (E), BugsBunny_35 (E), Cactus_38 (E), Cece_195 (GD3), Chaser_30 (L4), Chilliams_107 (FC), ChosenOne_37 (E), ChotaBhai_37 (E), ChutneyChips_31 (L4), Cjw1_37 (E), Clautastrophe_31 (L3), Command613_38 (E), Constella_44 (J), Contagion_36 (E), Cookies_37 (E), Crossroads_32 (L2), CrystalP_37 (E), Czyszczon1_38 (E), DS6A_74 (singleton), Daikon_36 (E), Dallas_54 (J), DmpstrDiver_53 (J), DoctorDiddles_37 (E), Dodo_214 (GD1), Douge_30 (L4), Dove_49 (J), DrDrey_38 (E), DrSeegs_32 (L2), Duke13_55 (J), Dumbo_37 (E), DuncansLeg_31 (L3), DunneganBoMo_97 (FC), Dusk_36 (E), DyoEdafos_31 (L4), Easy2Say_39 (E), Ejimix_52 (J), Elite2014_36 (E), Ellewin_96 (FC), Ellson_31 (L3), Elph10_38 (E), Emmetator_100 (FC), Emmina_38 (E), Erasmago_208 (GD2), EricMillard_52 (J), Exile_31 (AZ6), FairyPath_37 (E), Faith1_32 (L2), Filch_38 (E), Finemlucis_32 (L2), Finnry_31 (L3), FireRed_37 (E),

FloraSnap32_108 (FC), Flypotenuse_35 (E), FoghornLeghorn_36 (E), FrostedClock_111 (FC), Gabriela_32 (L2), Gage_39 (E), Gardann_32 (L2), Gator_35 (E), Gemini_40 (E), Glexan_35 (E), GoldenEssence_94 (FC), GoldenSpark_39 (E), Goldilocks_38 (E), GooberAzure_39 (E), Greely_81 (C2), Greep_38 (E), GrimEater_31 (FP), GuuelaD_32 (L2), Halley_52 (J), HanKaySha_38 (E), Hannaconda_48 (J), Harella_36 (E), Henry_38 (E), Highbury_38 (E), HokkenD_45 (J), Holt_38 (E), Hoonter_39 (E), Hopey_39 (E), HufflyPuff_36 (E), Hughesyang_50 (J), Icee_36 (E), Inca_36 (E), Itos_32 (L2), Jankie_33 (FP), JeTaime_39 (E), Jubie_31 (L3), JuicyJay_54 (J), KSunshine22_102 (FC), Kalah2_52 (J), Kanye_39 (E), KashFlow_45 (J), Khuang_61 (FS), Kimchi_39 (E), Kingsolomon_31 (L3), Klein_52 (J), Kostya_38 (E), Kropertea_30 (L4), Krypton555_31 (L3), LeoJr_107 (FC), Leopard_52 (AE), LilDestine_32 (L2), Lilac_39 (E), Lilizi_39 (E), Lilpickle_36 (E), LisoBros_35 (FP), Livelaughbron_38 (E), LiyuLake_31 (L3), Loadrie_32 (L2), Lolly9_31 (L3), Lumos_31 (L3), MISSy_36 (E), MPhalcon_36 (E), MadamMonkfish_37 (E), Manda_38 (E), Marshmallow_37 (E), Maxxinista_38 (E), Mbo4_60 (singleton), Miley16_32 (L2), Mimi_108 (FC), Mindy_37 (E), Minerva_58 (J), MiniLon_31 (L3), MiniMac_31 (L3), Miniwave_37 (E), Misfit_37 (E), MkaliMitinis3_32 (L2), Moldemort_38 (E), MollyToe_37 (E), Mosby_36 (E), MsGreen_31 (L3), Murica_36 (E), Murphy_38 (E), Myrale_37 (E), Myrna_77 (C2), Nala_37 (E), NelitzaMV_37 (E), Netyap_32 (L2), Nibley_46 (J), Nicholas_31 (L3), Nicholasp3_32 (L2), NihilNomen_51 (J), Nimrod_37 (E), NoSleep_38 (E), NonchalantPear_37 (E), Odette_52 (J), Onyinye_53 (AE), Optimus_57 (J), OrionPax_38 (E), Orkz_49 (FL), PaddyBaddy_38 (E), Palpatine_37 (E), Panchaali_99 (FC), Paperbeatsrock_39 (E), Pat3_36 (E), Patbob_107 (FC), PauloDiaboli_218 (GD1), Petra64142_39 (E), Phabba_83 (C2), Pharsalus_38 (E), PhatBacter_37 (E), Phaux_36 (E), Phoebus_51 (J), Phrampa_101 (FC), Phrux_37 (E), Policronamos_37 (E), Porky_37 (E), Pound_54 (J), Ptowny_38 (E), Pumpernickel_201 (GD4), Pumpkin_39 (E), Quallification_38 (E), Racecar_109 (FC), Rakim_38 (E), Rearden_46 (J), Redno2_50 (J), ReginaGlobina_107 (FC), Rimmer_36 (E), RiverMonster_37 (E), Rockabye_113 (FC), SJReid_112 (FC), Saints25_38 (E), Samty_31 (L3), Sassay_36 (E), Schatzie_49 (J), ShamWow_37 (E), Simpliphy_38 (E), SirDuracell_36 (E), Snenia_31 (L3), Soondubu_31 (AZ6), 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), TMaxx_3 (FR), Talia1610_108 (FC), Tarkin_39 (E), TeamEdward_37 (E), TeardropMSU_36 (E), Teaspoon_38 (E), Terminus_37 (E), Thimble_37 (E), ThreeRngTarjay_50 (J), Thresher_38 (E), Tomaszewski_36 (E), Toto_37 (E), Traaww1_35 (E), TriFive_31 (L3), Tuco_38 (E), Ukulele_37 (E), Underpass_32 (L2), Vetrix_32 (L2), WaddleDee_95 (FC), Wanda_58 (J), Whirlwind_32 (L3), Wiggin_40 (E), Wigglewiggle_32 (L2), Wilder_32 (L2), Willez_36 (E), Winky_32 (L2), Xandras_39 (E), Xiaokay_47 (J), YassJohnny_38 (E), Yeet_50 (J), Youngblood_37 (E), Zakai_32 (L2), Zelink_53 (J), Zooman_18 (GD2), Zooman_185 (GD2), Zooman_331 (GD2), xkcd_38 (E),

Start 98:
• Found in 1 of 643 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 547
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stellammi_36 (UNK),

Start 99:
• Found in 51 of 643 (7.9%) of genes in pham
• Manual Annotations of this start: 32 of 547
• Called 66.7% of time when present

• Phage (with cluster) where this start called: A3Wally_20 (GD1), A3Wally_373 (GD1), Agent47_60 (K5), BananenDer11_60 (K5), BarnCat_46 (GB), Big4_20 (GD2), Big4_346 (GD2), Cassita_54 (GB), Collard_58 (K5), Dodo_21 (GD1), Dodo_367 (GD1), DoubleChamp_57 (K5), Gengar_60 (K5), Hurricane_68 (K3), InvictusManeo_58 (K5), Kratio_58 (K5), Laure_112 (UNK), Lea83_68 (K3), LeeroyJenkins_54 (GB), Lifes_48 (GB), LilDirt_59 (K5), MacnCheese_70 (K3), Miryou_64 (K5), OkiRoe_61 (K5), PauloDiaboli_20 (GD1), PauloDiaboli_375 (GD1), Pharb_67 (K3), Pixie_67 (K3), ScoobyDoobyDoo_73 (C2), ShedlockHolmes_69 (K3), TBond007_64 (K3), TribleTrouble_68 (K3), ViviJ_59 (K5), WaterT_52 (GB),

Start 100:
• Found in 52 of 643 (8.1%) of genes in pham
• No Manual Annotations of this start.
• Called 3.8% of time when present
• Phage (with cluster) where this start called: Bluvara_58 (I3), Stuck_67 (I2),

Start 102:
• Found in 95 of 643 (14.8%) of genes in pham
• Manual Annotations of this start: 11 of 547
• Called 12.6% of time when present
• Phage (with cluster) where this start called: Ariel_51 (J), Blue_61 (A1), Courthouse_51 (J), LittleE_56 (J), Lucky2013_51 (J), MiaZeal_51 (J), Nekros_50 (J), Omega_56 (J), Porcelain_50 (J), Superphikiman_51 (J), Thibault_45 (J), Thonko_81 (B8),

Start 106:
• Found in 74 of 643 (11.5%) of genes in pham
• Manual Annotations of this start: 2 of 547
• Called 2.7% of time when present
• Phage (with cluster) where this start called: Aegeus_33 (L5), Baudelaire_33 (L5),

Start 111:
• Found in 5 of 643 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 547
• Called 40.0% of time when present
• Phage (with cluster) where this start called: IUFootball_36 (AZ2), Liebe_36 (AZ2),

Start 114:
• Found in 59 of 643 (9.2%) of genes in pham
• No Manual Annotations of this start.
• Called 1.7% of time when present
• Phage (with cluster) where this start called: RoseMarie_41 (M1),

Summary by clusters:

There are 59 clusters represented in this pham: FP, GD1, FR, FS, GD4, FQ, DD, GD2, K3, FB, FC, M1, CU4, K5, GD3, AE, FJ, FL, JA, DL, CU5, AZ, CU3, CU2, CU1, I3, I2, A1, DO, C2, CQ1, EL, AC, E, EH, EK, CA, J, N, L4, R, L2, L3, V, singleton, UNK, CQ2, B8, AZ5, L5, AZ6, EM2, AZ1, AZ2, AZ3, AZ4, EK2, EK1, GB,

Info for manual annotations of cluster A1:
•Start number 102 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster AC:
•Start number 94 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster AE:
•Start number 97 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster AZ1:
•Start number 75 was manually annotated 6 times for cluster AZ1.
•Start number 78 was manually annotated 26 times for cluster AZ1.
•Start number 80 was manually annotated 2 times for cluster AZ1.
•Start number 85 was manually annotated 12 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 69 was manually annotated 2 times for cluster AZ2.
•Start number 111 was manually annotated 1 time for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 78 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:
•Start number 91 was manually annotated 5 times for cluster AZ4.

Info for manual annotations of cluster AZ5:
•Start number 87 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster AZ6:
•Start number 97 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster B8:
•Start number 102 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster C2:
•Start number 97 was manually annotated 2 times for cluster C2.
•Start number 99 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster CA:
•Start number 88 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CQ1:
•Start number 80 was manually annotated 9 times for cluster CQ1.
•Start number 82 was manually annotated 6 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 72 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CU1:
•Start number 90 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 90 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 93 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 93 was manually annotated 1 time for cluster CU5.

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

Info for manual annotations of cluster DL:
•Start number 74 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DO:
•Start number 86 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster E:
•Start number 94 was manually annotated 3 times for cluster E.
•Start number 97 was manually annotated 126 times for cluster E.

Info for manual annotations of cluster EH:
•Start number 58 was manually annotated 1 time for cluster EH.
•Start number 70 was manually annotated 1 time for cluster EH.
•Start number 77 was manually annotated 1 time for cluster EH.
•Start number 78 was manually annotated 11 times for cluster EH.
•Start number 92 was manually annotated 1 time for cluster EH.

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

Info for manual annotations of cluster EK1:
•Start number 91 was manually annotated 22 times for cluster EK1.

Info for manual annotations of cluster EK2:
•Start number 91 was manually annotated 22 times for cluster EK2.
•Start number 93 was manually annotated 1 time for cluster EK2.

Info for manual annotations of cluster EL:
•Start number 91 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster EM2:
•Start number 94 was manually annotated 1 time for cluster EM2.

Info for manual annotations of cluster FB:
•Start number 94 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FC:
•Start number 97 was manually annotated 12 times for cluster FC.

Info for manual annotations of cluster FJ:
•Start number 65 was manually annotated 1 time for cluster FJ.

Info for manual annotations of cluster FL:
•Start number 71 was manually annotated 2 times for cluster FL.

•Start number 84 was manually annotated 3 times for cluster FL.

Info for manual annotations of cluster FP:
•Start number 93 was manually annotated 2 times for cluster FP.

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

Info for manual annotations of cluster FR:
•Start number 86 was manually annotated 3 times for cluster FR.
•Start number 91 was manually annotated 4 times for cluster FR.
•Start number 93 was manually annotated 3 times for cluster FR.
•Start number 97 was manually annotated 1 time for cluster FR.

Info for manual annotations of cluster FS:
•Start number 97 was manually annotated 1 time for cluster FS.

Info for manual annotations of cluster GB:
•Start number 99 was manually annotated 5 times for cluster GB.

Info for manual annotations of cluster GD1:
•Start number 97 was manually annotated 3 times for cluster GD1.
•Start number 99 was manually annotated 6 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 97 was manually annotated 4 times for cluster GD2.
•Start number 99 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 97 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:
•Start number 97 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster J:
•Start number 97 was manually annotated 30 times for cluster J.
•Start number 102 was manually annotated 9 times for cluster J.

Info for manual annotations of cluster JA:
•Start number 89 was manually annotated 4 times for cluster JA.
•Start number 94 was manually annotated 4 times for cluster JA.

Info for manual annotations of cluster K3:
•Start number 99 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K5:
•Start number 99 was manually annotated 10 times for cluster K5.

Info for manual annotations of cluster L2:
•Start number 97 was manually annotated 26 times for cluster L2.

Info for manual annotations of cluster L3:
•Start number 97 was manually annotated 17 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 97 was manually annotated 6 times for cluster L4.

Info for manual annotations of cluster L5:
•Start number 106 was manually annotated 2 times for cluster L5.

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

Info for manual annotations of cluster R:
•Start number 90 was manually annotated 10 times for cluster R.

Info for manual annotations of cluster UNK:
•Start number 98 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster V:
•Start number 95 was manually annotated 5 times for cluster V.

Gene Information:

Gene: 244_39 Start: 33415, Stop: 33660, Start Num: 97
Candidate Starts for 244_39:
(Start: 97 @33415 has 235 MA's), (113, 33472), (123, 33505), (125, 33511), (148, 33565), (154, 33577),

Gene: A3Wally_218 Start: 118317, Stop: 118063, Start Num: 97
Candidate Starts for A3Wally_218:
(Start: 97 @118317 has 235 MA's), (133, 118203), (146, 118176), (164, 118131),

Gene: A3Wally_20 Start: 7196, Stop: 7426, Start Num: 99
Candidate Starts for A3Wally_20:
(Start: 99 @7196 has 32 MA's), (117, 7268), (169, 7415),

Gene: A3Wally_373 Start: 186417, Stop: 186647, Start Num: 99
Candidate Starts for A3Wally_373:
(Start: 99 @186417 has 32 MA's), (117, 186489), (169, 186636),

Gene: ABCat_36 Start: 33127, Stop: 33372, Start Num: 97
Candidate Starts for ABCat_36:
(Start: 97 @33127 has 235 MA's), (113, 33184), (123, 33217), (125, 33223), (148, 33277), (154, 33289),

Gene: AEgle_32 Start: 24443, Stop: 24685, Start Num: 75
Candidate Starts for AEgle_32:
(Start: 75 @24443 has 6 MA's),

Gene: AGrandiflora_34 Start: 24670, Stop: 24936, Start Num: 78

Candidate Starts for AGrandiflora_34:
(11, 24412), (16, 24448), (Start: 78 @24670 has 39 MA's), (151, 24853),

Gene: Abscondus_124 Start: 70975, Stop: 71268, Start Num: 80
Candidate Starts for Abscondus_124:
(Start: 80 @70975 has 13 MA's), (Start: 106 @71023 has 2 MA's), (150, 71152),

Gene: AceofSpades_40 Start: 26694, Stop: 27029, Start Num: 91
Candidate Starts for AceofSpades_40:
(22, 26532), (Start: 91 @26694 has 58 MA's),

Gene: AddiRose_51 Start: 34005, Stop: 34238, Start Num: 89
Candidate Starts for AddiRose_51:
(Start: 89 @34005 has 4 MA's), (141, 34140),

Gene: Adnama_40 Start: 33642, Stop: 33887, Start Num: 97
Candidate Starts for Adnama_40:
(Start: 97 @33642 has 235 MA's), (113, 33699), (123, 33732), (125, 33738), (148, 33792), (154, 33804),

Gene: Adolin_32 Start: 23104, Stop: 23349, Start Num: 75
Candidate Starts for Adolin_32:
(7, 22735), (11, 22849), (16, 22885), (Start: 75 @23104 has 6 MA's),

Gene: Adumb2043_32 Start: 24438, Stop: 24704, Start Num: 75
Candidate Starts for Adumb2043_32:
(5, 23982), (11, 24183), (16, 24219), (Start: 75 @24438 has 6 MA's), (151, 24621),

Gene: Aegeus_33 Start: 27825, Stop: 28055, Start Num: 106
Candidate Starts for Aegeus_33:
(Start: 97 @27789 has 235 MA's), (104, 27816), (Start: 106 @27825 has 2 MA's), (114, 27852), (124, 27882), (134, 27903), (150, 27942), (151, 27945), (154, 27948), (179, 28005), (182, 28014),

Gene: Agamotto_5 Start: 4114, Stop: 4374, Start Num: 93
Candidate Starts for Agamotto_5:
(Start: 93 @4114 has 8 MA's), (Start: 97 @4117 has 235 MA's),

Gene: Agent47_60 Start: 40769, Stop: 41017, Start Num: 99
Candidate Starts for Agent47_60:
(Start: 99 @40769 has 32 MA's), (142, 40901), (151, 40931), (172, 40964),

Gene: Aikoy_52 Start: 39434, Stop: 39189, Start Num: 97
Candidate Starts for Aikoy_52:
(Start: 97 @39434 has 235 MA's), (114, 39374), (122, 39347), (141, 39308), (148, 39284), (150, 39278), (154, 39272), (164, 39248),

Gene: AirForce1_46 Start: 33134, Stop: 33424, Start Num: 84
Candidate Starts for AirForce1_46:
(38, 33035), (Start: 84 @33134 has 3 MA's), (Start: 106 @33185 has 2 MA's), (110, 33200), (146, 33302), (150, 33314),

Gene: Akoni_9 Start: 6089, Stop: 5751, Start Num: 91
Candidate Starts for Akoni_9:

(37, 6161), (Start: 91 @6089 has 58 MA's), (Start: 106 @6050 has 2 MA's), (123, 5978), (136, 5939), (149, 5897), (186, 5798),

Gene: Alatin_45 Start: 34365, Stop: 34069, Start Num: 88
Candidate Starts for Alatin_45:
(Start: 88 @34365 has 36 MA's), (100, 34347), (Start: 102 @34341 has 11 MA's), (142, 34224), (154, 34191), (157, 34185), (185, 34125), (191, 34077),

Gene: Alex44_9 Start: 6356, Stop: 6036, Start Num: 91
Candidate Starts for Alex44_9:
(31, 6476), (43, 6446), (Start: 91 @6356 has 58 MA's), (109, 6305), (114, 6290), (124, 6242), (172, 6101),

Gene: AloeVera_9 Start: 6089, Stop: 5751, Start Num: 91
Candidate Starts for AloeVera_9:
(37, 6161), (Start: 91 @6089 has 58 MA's), (123, 5978), (136, 5939), (186, 5798),

Gene: Alpacados_45 Start: 34270, Stop: 33974, Start Num: 88
Candidate Starts for Alpacados_45:
(Start: 88 @34270 has 36 MA's), (100, 34252), (Start: 102 @34246 has 11 MA's), (142, 34129), (154, 34096), (157, 34090), (185, 34030), (191, 33982),

Gene: Altostratus_60 Start: 35532, Stop: 35810, Start Num: 97
Candidate Starts for Altostratus_60:
(Start: 97 @35532 has 235 MA's), (109, 35577), (123, 35622), (149, 35697),

Gene: Amao_37 Start: 32339, Stop: 32584, Start Num: 97
Candidate Starts for Amao_37:
(Start: 97 @32339 has 235 MA's), (113, 32396), (123, 32429), (125, 32435), (146, 32483), (148, 32489), (154, 32501),

Gene: AmericanBeauty_39 Start: 33122, Stop: 33367, Start Num: 97
Candidate Starts for AmericanBeauty_39:
(Start: 97 @33122 has 235 MA's), (113, 33179), (123, 33212), (125, 33218), (148, 33272), (154, 33284),

Gene: Amploria_32 Start: 24442, Stop: 24684, Start Num: 75
Candidate Starts for Amploria_32:
(Start: 75 @24442 has 6 MA's),

Gene: Amyev_33 Start: 26378, Stop: 26620, Start Num: 85
Candidate Starts for Amyev_33:
(Start: 85 @26378 has 12 MA's),

Gene: AngryOrchard_44 Start: 34430, Stop: 34134, Start Num: 88
Candidate Starts for AngryOrchard_44:
(Start: 88 @34430 has 36 MA's), (100, 34412), (Start: 102 @34406 has 11 MA's), (142, 34289), (154, 34256), (157, 34250), (185, 34190), (191, 34142),

Gene: AnnabelLee_3 Start: 977, Stop: 1246, Start Num: 91
Candidate Starts for AnnabelLee_3:
(Start: 91 @977 has 58 MA's),

Gene: Aphelion_125 Start: 72038, Stop: 72331, Start Num: 80
Candidate Starts for Aphelion_125:
(Start: 80 @72038 has 13 MA's), (Start: 106 @72086 has 2 MA's), (150, 72215),

Gene: AppleCloud_43 Start: 34089, Stop: 33793, Start Num: 88
Candidate Starts for AppleCloud_43:
(Start: 88 @34089 has 36 MA's), (100, 34071), (Start: 102 @34065 has 11 MA's), (141, 33951), (142, 33948), (154, 33915), (157, 33909),

Gene: ArMaWen_9 Start: 6356, Stop: 6033, Start Num: 91
Candidate Starts for ArMaWen_9:
(43, 6446), (Start: 91 @6356 has 58 MA's), (109, 6305), (118, 6260), (124, 6242), (179, 6086),

Gene: Archie_32 Start: 28911, Stop: 29177, Start Num: 97
Candidate Starts for Archie_32:
(Start: 97 @28911 has 235 MA's), (108, 28956), (125, 29007), (134, 29025), (156, 29073), (186, 29145), (190, 29166),

Gene: Argent26_39 Start: 33125, Stop: 33370, Start Num: 97
Candidate Starts for Argent26_39:
(Start: 97 @33125 has 235 MA's), (113, 33182), (123, 33215), (125, 33221), (148, 33275), (154, 33287),

Gene: Ariel_51 Start: 40408, Stop: 40647, Start Num: 102
Candidate Starts for Ariel_51:
(Start: 102 @40408 has 11 MA's), (107, 40435), (124, 40489), (125, 40492), (150, 40549), (167, 40585),

Gene: Artu_100 Start: 83547, Stop: 83807, Start Num: 97
Candidate Starts for Artu_100:
(Start: 97 @83547 has 235 MA's), (163, 83736), (178, 83766), (179, 83769),

Gene: Asa16_34 Start: 26607, Stop: 26864, Start Num: 78
Candidate Starts for Asa16_34:
(11, 26370), (12, 26379), (Start: 78 @26607 has 39 MA's), (109, 26655), (157, 26772),

Gene: Ascela_34 Start: 24798, Stop: 25064, Start Num: 78
Candidate Starts for Ascela_34:
(Start: 78 @24798 has 39 MA's), (151, 24981),

Gene: Ashes_31 Start: 22585, Stop: 22851, Start Num: 87
Candidate Starts for Ashes_31:
(Start: 87 @22585 has 16 MA's), (Start: 99 @22600 has 32 MA's), (116, 22663), (121, 22681), (169, 22783),

Gene: Ashton_9 Start: 6093, Stop: 5755, Start Num: 91
Candidate Starts for Ashton_9:
(37, 6165), (Start: 91 @6093 has 58 MA's), (Start: 106 @6054 has 2 MA's), (123, 5982), (136, 5943), (149, 5901), (186, 5802),

Gene: Asriel_36 Start: 31996, Stop: 32241, Start Num: 97
Candidate Starts for Asriel_36:

(Start: 97 @31996 has 235 MA's), (113, 32053), (123, 32086), (125, 32092), (148, 32146), (154, 32158),

Gene: Astartes_9 Start: 6131, Stop: 5775, Start Num: 91
Candidate Starts for Astartes_9:
(Start: 91 @6131 has 58 MA's), (Start: 106 @6092 has 2 MA's), (110, 6077), (136, 5981), (172, 5873), (174, 5864), (185, 5825),

Gene: Atraxi_9 Start: 6096, Stop: 5740, Start Num: 91
Candidate Starts for Atraxi_9:
(Start: 91 @6096 has 58 MA's), (Start: 106 @6057 has 2 MA's), (110, 6042), (174, 5829), (185, 5790),

Gene: Atuin_102 Start: 87057, Stop: 87320, Start Num: 97
Candidate Starts for Atuin_102:
(Start: 97 @87057 has 235 MA's), (163, 87246),

Gene: Audell_6 Start: 4387, Stop: 4647, Start Num: 93
Candidate Starts for Audell_6:
(Start: 93 @4387 has 8 MA's), (122, 4477), (146, 4534),

Gene: Azrael100_52 Start: 39360, Stop: 39608, Start Num: 95
Candidate Starts for Azrael100_52:
(Start: 95 @39360 has 5 MA's), (120, 39441), (143, 39489), (156, 39522), (157, 39525), (158, 39528), (175, 39561), (187, 39597),

Gene: BAKA_56 Start: 44234, Stop: 44479, Start Num: 97
Candidate Starts for BAKA_56:
(Start: 97 @44234 has 235 MA's), (114, 44297), (124, 44327), (125, 44330), (151, 44390), (154, 44393), (156, 44396),

Gene: BFK20_ORF53 Start: 41569, Stop: 41835, Start Num: 81
Candidate Starts for BFK20_ORF53:
(63, 41539), (76, 41563), (81, 41569), (110, 41629), (123, 41671), (125, 41677), (155, 41737),

Gene: BaboJay_37 Start: 33214, Stop: 33462, Start Num: 94
Candidate Starts for BaboJay_37:
(54, 33145), (55, 33148), (66, 33175), (Start: 94 @33214 has 11 MA's), (113, 33274), (123, 33307), (125, 33313), (148, 33367), (154, 33379),

Gene: Bachita_128 Start: 71997, Stop: 72287, Start Num: 82
Candidate Starts for Bachita_128:
(36, 71889), (40, 71904), (56, 71949), (Start: 82 @71997 has 6 MA's), (Start: 106 @72042 has 2 MA's), (150, 72171),

Gene: BadStone_36 Start: 33127, Stop: 33372, Start Num: 97
Candidate Starts for BadStone_36:
(Start: 97 @33127 has 235 MA's), (113, 33184), (123, 33217), (125, 33223), (146, 33271), (148, 33277), (154, 33289),

Gene: Bagrid_51 Start: 43567, Stop: 43812, Start Num: 97
Candidate Starts for Bagrid_51:
(Start: 97 @43567 has 235 MA's), (114, 43630), (124, 43660), (125, 43663), (151, 43723), (154, 43726), (156, 43729),

Gene: BaileyBlu_34 Start: 24331, Stop: 24588, Start Num: 93
Candidate Starts for BaileyBlu_34:
(20, 24157), (24, 24166), (Start: 93 @24331 has 8 MA's), (146, 24487), (163, 24529), (165, 24535),

Gene: Balomoji_36 Start: 32861, Stop: 33106, Start Num: 97
Candidate Starts for Balomoji_36:
(Start: 97 @32861 has 235 MA's), (113, 32918), (123, 32951), (125, 32957), (146, 33005), (148, 33011), (154, 33023),

Gene: BananenDer11_60 Start: 40730, Stop: 40978, Start Num: 99
Candidate Starts for BananenDer11_60:
(Start: 99 @40730 has 32 MA's), (142, 40862), (151, 40892), (172, 40925),

Gene: Banquo_62 Start: 38905, Stop: 39129, Start Num: 90
Candidate Starts for Banquo_62:
(Start: 90 @38905 has 21 MA's), (109, 38947), (123, 38992), (126, 39001), (151, 39052), (156, 39061), (164, 39082),

Gene: Bantam_85 Start: 57381, Stop: 57115, Start Num: 74
Candidate Starts for Bantam_85:
(Start: 74 @57381 has 6 MA's), (105, 57333),

Gene: Baoshan_31 Start: 28243, Stop: 28509, Start Num: 97
Candidate Starts for Baoshan_31:
(Start: 97 @28243 has 235 MA's), (108, 28288), (125, 28339), (186, 28477), (190, 28498),

Gene: Barbarian_36 Start: 31996, Stop: 32241, Start Num: 97
Candidate Starts for Barbarian_36:
(Start: 97 @31996 has 235 MA's), (113, 32053), (123, 32086), (125, 32092), (148, 32146), (154, 32158),

Gene: BarnCat_46 Start: 30635, Stop: 30874, Start Num: 99
Candidate Starts for BarnCat_46:
(37, 30518), (44, 30536), (Start: 99 @30635 has 32 MA's), (114, 30692), (122, 30719), (125, 30728),

Gene: Barnstormer_41 Start: 26907, Stop: 27167, Start Num: 78
Candidate Starts for Barnstormer_41:
(23, 26781), (Start: 78 @26907 has 39 MA's),

Gene: Barroma_9 Start: 6089, Stop: 5751, Start Num: 91
Candidate Starts for Barroma_9:
(37, 6161), (Start: 91 @6089 has 58 MA's), (Start: 106 @6050 has 2 MA's), (123, 5978), (136, 5939), (186, 5798),

Gene: Bask21_37 Start: 32313, Stop: 32558, Start Num: 97
Candidate Starts for Bask21_37:
(Start: 97 @32313 has 235 MA's), (113, 32370), (123, 32403), (125, 32409), (148, 32463), (154, 32475),

Gene: Baudelaire_33 Start: 27825, Stop: 28055, Start Num: 106
Candidate Starts for Baudelaire_33:

(Start: 97 @27789 has 235 MA's), (104, 27816), (Start: 106 @27825 has 2 MA's), (114, 27852), (124, 27882), (134, 27903), (150, 27942), (151, 27945), (154, 27948), (179, 28005), (182, 28014),

Gene: Bazzle_32 Start: 28660, Stop: 28926, Start Num: 97
Candidate Starts for Bazzle_32:
(Start: 97 @28660 has 235 MA's), (108, 28705), (125, 28756), (134, 28774), (156, 28822), (186, 28894), (190, 28915),

Gene: Beaupre_31 Start: 22586, Stop: 22852, Start Num: 87
Candidate Starts for Beaupre_31:
(Start: 87 @22586 has 16 MA's), (Start: 99 @22601 has 32 MA's), (116, 22664), (121, 22682), (169, 22784),

Gene: Becksu_37 Start: 33318, Stop: 33563, Start Num: 97
Candidate Starts for Becksu_37:
(Start: 97 @33318 has 235 MA's), (113, 33375), (123, 33408), (125, 33414), (148, 33468), (154, 33480),

Gene: Beem_52 Start: 44133, Stop: 44378, Start Num: 97
Candidate Starts for Beem_52:
(Start: 97 @44133 has 235 MA's), (114, 44196), (124, 44226), (125, 44229), (151, 44289), (154, 44292), (156, 44295),

Gene: Belenaria_46 Start: 34231, Stop: 33935, Start Num: 88
Candidate Starts for Belenaria_46:
(Start: 88 @34231 has 36 MA's), (100, 34213), (Start: 102 @34207 has 11 MA's), (142, 34090), (154, 34057), (157, 34051), (185, 33991), (191, 33943),

Gene: Bellis_31 Start: 28787, Stop: 29053, Start Num: 97
Candidate Starts for Bellis_31:
(Start: 97 @28787 has 235 MA's), (Start: 102 @28799 has 11 MA's), (108, 28832),

Gene: Bench_39 Start: 32995, Stop: 33240, Start Num: 97
Candidate Starts for Bench_39:
(Start: 97 @32995 has 235 MA's), (113, 33052), (123, 33085), (125, 33091), (148, 33145), (154, 33157),

Gene: Berrie_34 Start: 25682, Stop: 25942, Start Num: 78
Candidate Starts for Berrie_34:
(11, 25445), (12, 25454), (Start: 78 @25682 has 39 MA's),

Gene: Big4_346 Start: 183627, Stop: 183857, Start Num: 99
Candidate Starts for Big4_346:
(Start: 99 @183627 has 32 MA's), (117, 183699), (169, 183846),

Gene: Big4_20 Start: 8933, Stop: 9163, Start Num: 99
Candidate Starts for Big4_20:
(Start: 99 @8933 has 32 MA's), (117, 9005), (169, 9152),

Gene: Big4_204 Start: 114726, Stop: 114472, Start Num: 97
Candidate Starts for Big4_204:
(64, 114774), (Start: 97 @114726 has 235 MA's),

Gene: BigBubba_38 Start: 32898, Stop: 33143, Start Num: 97
Candidate Starts for BigBubba_38:
(Start: 97 @32898 has 235 MA's), (113, 32955), (123, 32988), (125, 32994), (146, 33042), (148, 33048), (154, 33060),

Gene: BigCheese_32 Start: 28422, Stop: 28688, Start Num: 97
Candidate Starts for BigCheese_32:
(Start: 97 @28422 has 235 MA's), (108, 28467), (125, 28518), (156, 28584), (186, 28656), (190, 28677),

Gene: BilboSwaggins_37 Start: 33135, Stop: 33380, Start Num: 97
Candidate Starts for BilboSwaggins_37:
(Start: 97 @33135 has 235 MA's), (113, 33192), (123, 33225), (125, 33231), (148, 33285), (154, 33297),

Gene: Biozilla_9 Start: 6310, Stop: 5987, Start Num: 91
Candidate Starts for Biozilla_9:
(19, 6478), (26, 6460), (33, 6427), (Start: 91 @6310 has 58 MA's), (109, 6259), (114, 6244), (124, 6196), (159, 6088), (179, 6040), (185, 6022),

Gene: Birdfeeder_9 Start: 6368, Stop: 6045, Start Num: 91
Candidate Starts for Birdfeeder_9:
(Start: 91 @6368 has 58 MA's), (109, 6317), (124, 6254), (179, 6098),

Gene: BlackJade_54 Start: 34939, Stop: 35229, Start Num: 84
Candidate Starts for BlackJade_54:
(Start: 84 @34939 has 3 MA's), (Start: 102 @34969 has 11 MA's), (Start: 106 @34990 has 2 MA's), (110, 35005), (125, 35053), (141, 35089), (146, 35107), (153, 35128), (181, 35203),

Gene: Bloom_112 Start: 87140, Stop: 87388, Start Num: 97
Candidate Starts for Bloom_112:
(Start: 97 @87140 has 235 MA's), (100, 87146), (Start: 102 @87152 has 11 MA's),

Gene: Blue_61 Start: 41818, Stop: 41588, Start Num: 102
Candidate Starts for Blue_61:
(66, 41857), (67, 41854), (76, 41842), (Start: 102 @41818 has 11 MA's), (113, 41773), (117, 41755), (140, 41704), (176, 41629), (188, 41599),

Gene: Bluvara_58 Start: 40303, Stop: 40536, Start Num: 100
Candidate Starts for Bluvara_58:
(Start: 92 @40291 has 3 MA's), (100, 40303), (Start: 102 @40309 has 11 MA's), (118, 40375), (140, 40420), (151, 40450),

Gene: Bobby_51 Start: 42712, Stop: 42957, Start Num: 97
Candidate Starts for Bobby_51:
(Start: 97 @42712 has 235 MA's), (144, 42844),

Gene: BobbyDazzler_46 Start: 34344, Stop: 34048, Start Num: 88
Candidate Starts for BobbyDazzler_46:
(Start: 88 @34344 has 36 MA's), (100, 34326), (Start: 102 @34320 has 11 MA's), (142, 34203), (154, 34170), (157, 34164), (185, 34104), (191, 34056),

Gene: BobsGarage_32 Start: 28422, Stop: 28688, Start Num: 97

Candidate Starts for BobsGarage_32:
(Start: 97 @28422 has 235 MA's), (108, 28467), (125, 28518), (156, 28584), (186, 28656), (190, 28677),

Gene: Bogg_38 Start: 32564, Stop: 32812, Start Num: 94
Candidate Starts for Bogg_38:
(54, 32495), (55, 32498), (66, 32525), (Start: 94 @32564 has 11 MA's), (113, 32624), (123, 32657), (125, 32663), (148, 32717), (154, 32729),

Gene: Bombitas_49 Start: 43727, Stop: 43975, Start Num: 97
Candidate Starts for Bombitas_49:
(Start: 97 @43727 has 235 MA's), (144, 43859),

Gene: Bonanza_46 Start: 34272, Stop: 33976, Start Num: 88
Candidate Starts for Bonanza_46:
(Start: 88 @34272 has 36 MA's), (100, 34254), (Start: 102 @34248 has 11 MA's), (142, 34131), (154, 34098), (157, 34092), (185, 34032), (191, 33984),

Gene: BooTeria_104 Start: 83660, Stop: 83920, Start Num: 97
Candidate Starts for BooTeria_104:
(Start: 97 @83660 has 235 MA's), (163, 83849), (178, 83879), (179, 83882),

Gene: Bradshaw_46 Start: 34298, Stop: 34002, Start Num: 88
Candidate Starts for Bradshaw_46:
(Start: 88 @34298 has 36 MA's), (100, 34280), (Start: 102 @34274 has 11 MA's), (142, 34157), (154, 34124), (157, 34118), (185, 34058), (191, 34010),

Gene: Breezona_32 Start: 28422, Stop: 28688, Start Num: 97
Candidate Starts for Breezona_32:
(Start: 97 @28422 has 235 MA's), (108, 28467), (125, 28518), (156, 28584), (186, 28656), (190, 28677),

Gene: Brewer_37 Start: 33383, Stop: 33628, Start Num: 97
Candidate Starts for Brewer_37:
(Start: 97 @33383 has 235 MA's), (113, 33440), (123, 33473), (125, 33479), (146, 33527), (148, 33533), (154, 33545),

Gene: Bromden_32 Start: 28137, Stop: 28400, Start Num: 97
Candidate Starts for Bromden_32:
(Start: 97 @28137 has 235 MA's), (108, 28182), (150, 28290), (186, 28371),

Gene: Bruin_37 Start: 33155, Stop: 33400, Start Num: 97
Candidate Starts for Bruin_37:
(Start: 97 @33155 has 235 MA's), (113, 33212), (123, 33245), (125, 33251), (148, 33305), (154, 33317),

Gene: BrutonGaster_100 Start: 65316, Stop: 65621, Start Num: 72
Candidate Starts for BrutonGaster_100:
(38, 65226), (Start: 72 @65316 has 2 MA's), (Start: 82 @65328 has 6 MA's), (148, 65496), (180, 65574),

Gene: Bryce_45 Start: 34052, Stop: 33756, Start Num: 88
Candidate Starts for Bryce_45:

(Start: 88 @34052 has 36 MA's), (100, 34034), (Start: 102 @34028 has 11 MA's), (142, 33911), (154, 33878), (157, 33872), (185, 33812), (191, 33764),

Gene: Buck_36 Start: 33091, Stop: 33336, Start Num: 97
Candidate Starts for Buck_36:
(Start: 97 @33091 has 235 MA's), (113, 33148), (123, 33181), (125, 33187), (148, 33241), (154, 33253),

Gene: Budgie_39 Start: 32682, Stop: 32927, Start Num: 97
Candidate Starts for Budgie_39:
(Start: 97 @32682 has 235 MA's), (113, 32739), (125, 32778), (148, 32832), (150, 32838), (158, 32853),

Gene: BugsBunny_35 Start: 32724, Stop: 32969, Start Num: 97
Candidate Starts for BugsBunny_35:
(Start: 97 @32724 has 235 MA's), (113, 32781), (123, 32814), (125, 32820), (148, 32874), (154, 32886),

Gene: Cactus_38 Start: 32346, Stop: 32591, Start Num: 97
Candidate Starts for Cactus_38:
(Start: 97 @32346 has 235 MA's), (113, 32403), (123, 32436), (125, 32442), (148, 32496), (154, 32508),

Gene: CallinAllBarbz_34 Start: 24734, Stop: 24985, Start Num: 93
Candidate Starts for CallinAllBarbz_34:
(Start: 93 @24734 has 8 MA's), (122, 24827), (165, 24932),

Gene: Candle_40 Start: 36392, Stop: 36637, Start Num: 90
Candidate Starts for Candle_40:
(62, 36350), (Start: 90 @36392 has 21 MA's), (Start: 102 @36413 has 11 MA's), (Start: 106 @36434 has 2 MA's), (114, 36461), (156, 36560), (157, 36563), (158, 36566), (182, 36617),

Gene: Cappuccino_31 Start: 22494, Stop: 22760, Start Num: 87
Candidate Starts for Cappuccino_31:
(Start: 87 @22494 has 16 MA's), (Start: 94 @22503 has 11 MA's), (Start: 99 @22509 has 32 MA's), (116, 22572),

Gene: CardboardBox_3 Start: 977, Stop: 1246, Start Num: 91
Candidate Starts for CardboardBox_3:
(Start: 91 @977 has 58 MA's),

Gene: Cardigan_134 Start: 76224, Stop: 76523, Start Num: 80
Candidate Starts for Cardigan_134:
(Start: 80 @76224 has 13 MA's), (109, 76284), (122, 76326), (125, 76335), (141, 76371), (150, 76401), (164, 76431),

Gene: Caron_44 Start: 27999, Stop: 28262, Start Num: 78
Candidate Starts for Caron_44:
(25, 27885), (26, 27888), (Start: 78 @27999 has 39 MA's), (109, 28053),

Gene: Cassia_34 Start: 25274, Stop: 25540, Start Num: 78
Candidate Starts for Cassia_34:
(Start: 78 @25274 has 39 MA's), (151, 25457),

Gene: Cassita_54 Start: 33514, Stop: 33735, Start Num: 99
Candidate Starts for Cassita_54:
(26, 33349), (31, 33376), (32, 33379), (Start: 99 @33514 has 32 MA's), (125, 33607),

Gene: Catfish_63 Start: 40933, Stop: 41151, Start Num: 93
Candidate Starts for Catfish_63:
(Start: 93 @40933 has 8 MA's), (107, 40966), (143, 41056),

Gene: Cece_195 Start: 119232, Stop: 118984, Start Num: 97
Candidate Starts for Cece_195:
(63, 119280), (Start: 70 @119265 has 1 MA's), (Start: 97 @119232 has 235 MA's), (138, 119118), (146, 119097), (164, 119052),

Gene: Cen1621_38 Start: 25188, Stop: 25475, Start Num: 58
Candidate Starts for Cen1621_38:
(Start: 58 @25188 has 1 MA's), (Start: 91 @25215 has 58 MA's), (145, 25371), (153, 25395),

Gene: ChamoyPickle_3 Start: 977, Stop: 1246, Start Num: 91
Candidate Starts for ChamoyPickle_3:
(Start: 91 @977 has 58 MA's),

Gene: Chaser_30 Start: 27536, Stop: 27799, Start Num: 97
Candidate Starts for Chaser_30:
(Start: 97 @27536 has 235 MA's), (108, 27581), (154, 27695),

Gene: CherryTomatoes_78 Start: 28836, Stop: 29102, Start Num: 86
Candidate Starts for CherryTomatoes_78:
(Start: 86 @28836 has 7 MA's), (108, 28884), (154, 29004), (179, 29064),

Gene: Chilliams_107 Start: 79905, Stop: 80147, Start Num: 97
Candidate Starts for Chilliams_107:
(63, 79857), (Start: 97 @79905 has 235 MA's), (123, 79995),

Gene: ChipsNGuac_3 Start: 977, Stop: 1246, Start Num: 91
Candidate Starts for ChipsNGuac_3:
(Start: 91 @977 has 58 MA's),

Gene: ChosenOne_37 Start: 32343, Stop: 32588, Start Num: 97
Candidate Starts for ChosenOne_37:
(Start: 97 @32343 has 235 MA's), (113, 32400), (123, 32433), (125, 32439), (148, 32493), (154, 32505),

Gene: ChotaBhai_37 Start: 32381, Stop: 32626, Start Num: 97
Candidate Starts for ChotaBhai_37:
(Start: 97 @32381 has 235 MA's), (113, 32438), (123, 32471), (125, 32477), (146, 32525), (148, 32531), (154, 32543),

Gene: ChutneyChips_31 Start: 27716, Stop: 27979, Start Num: 97
Candidate Starts for ChutneyChips_31:
(Start: 97 @27716 has 235 MA's), (108, 27761), (154, 27875),

Gene: Cjw1_37 Start: 33895, Stop: 34140, Start Num: 97

Candidate Starts for Cjw1_37:
(Start: 97 @33895 has 235 MA's), (113, 33952), (123, 33985), (125, 33991), (148, 34045), (154, 34057),

Gene: Clautastrophe_31 Start: 28784, Stop: 29050, Start Num: 97
Candidate Starts for Clautastrophe_31:
(Start: 97 @28784 has 235 MA's), (Start: 102 @28796 has 11 MA's), (108, 28829),

Gene: ClubL_125 Start: 70565, Stop: 70858, Start Num: 80
Candidate Starts for ClubL_125:
(Start: 80 @70565 has 13 MA's), (Start: 106 @70613 has 2 MA's), (150, 70742),

Gene: Collard_58 Start: 40730, Stop: 40978, Start Num: 99
Candidate Starts for Collard_58:
(Start: 99 @40730 has 32 MA's), (142, 40862), (151, 40892), (172, 40925),

Gene: Command613_38 Start: 33402, Stop: 33647, Start Num: 97
Candidate Starts for Command613_38:
(Start: 97 @33402 has 235 MA's), (113, 33459), (123, 33492), (125, 33498), (148, 33552), (154, 33564),

Gene: Community_34 Start: 26806, Stop: 27072, Start Num: 78
Candidate Starts for Community_34:
(11, 26569), (12, 26578), (Start: 78 @26806 has 39 MA's),

Gene: Conditioner_9 Start: 6356, Stop: 6033, Start Num: 91
Candidate Starts for Conditioner_9:
(51, 6422), (Start: 91 @6356 has 58 MA's), (109, 6305), (118, 6260), (124, 6242), (179, 6086),

Gene: Constella_44 Start: 40270, Stop: 40518, Start Num: 97
Candidate Starts for Constella_44:
(Start: 97 @40270 has 235 MA's), (107, 40309), (124, 40363), (125, 40366), (150, 40423), (167, 40459), (186, 40507),

Gene: Contagion_36 Start: 32639, Stop: 32884, Start Num: 97
Candidate Starts for Contagion_36:
(Start: 97 @32639 has 235 MA's), (113, 32696), (123, 32729), (125, 32735), (146, 32783), (148, 32789), (154, 32801),

Gene: Cookies_37 Start: 33004, Stop: 33249, Start Num: 97
Candidate Starts for Cookies_37:
(Start: 97 @33004 has 235 MA's), (113, 33061), (123, 33094), (125, 33100), (146, 33148), (148, 33154), (154, 33166),

Gene: Corn21_9 Start: 6384, Stop: 6061, Start Num: 91
Candidate Starts for Corn21_9:
(51, 6450), (Start: 91 @6384 has 58 MA's), (109, 6333), (118, 6288), (124, 6270), (158, 6165), (179, 6114),

Gene: CosmicSans_46 Start: 34298, Stop: 34002, Start Num: 88
Candidate Starts for CosmicSans_46:
(Start: 88 @34298 has 36 MA's), (100, 34280), (Start: 102 @34274 has 11 MA's), (142, 34157), (154, 34124), (157, 34118), (185, 34058), (191, 34010),

Gene: Cosmo_53 Start: 39361, Stop: 39609, Start Num: 95
Candidate Starts for Cosmo_53:
(Start: 95 @39361 has 5 MA's), (120, 39442), (143, 39490), (156, 39523), (157, 39526), (158, 39529), (175, 39562), (187, 39598),

Gene: Count_87 Start: 57913, Stop: 58173, Start Num: 91
Candidate Starts for Count_87:
(Start: 91 @57913 has 58 MA's),

Gene: Courthouse_51 Start: 40812, Stop: 41051, Start Num: 102
Candidate Starts for Courthouse_51:
(Start: 102 @40812 has 11 MA's), (107, 40839), (124, 40893), (125, 40896), (150, 40953), (167, 40989),

Gene: Crewmate_37 Start: 25536, Stop: 25778, Start Num: 85
Candidate Starts for Crewmate_37:
(11, 25278), (16, 25314), (Start: 85 @25536 has 12 MA's),

Gene: Crossroads_32 Start: 28422, Stop: 28688, Start Num: 97
Candidate Starts for Crossroads_32:
(Start: 97 @28422 has 235 MA's), (108, 28467), (125, 28518), (156, 28584), (186, 28656), (190, 28677),

Gene: CrunchyBoi_10 Start: 6445, Stop: 6122, Start Num: 91
Candidate Starts for CrunchyBoi_10:
(19, 6613), (33, 6562), (Start: 91 @6445 has 58 MA's), (109, 6394), (114, 6379), (124, 6331), (159, 6223), (179, 6175), (185, 6157),

Gene: CrystalP_37 Start: 33135, Stop: 33380, Start Num: 97
Candidate Starts for CrystalP_37:
(Start: 97 @33135 has 235 MA's), (113, 33192), (123, 33225), (125, 33231), (148, 33285), (154, 33297),

Gene: Cucurbita_126 Start: 72310, Stop: 72600, Start Num: 82
Candidate Starts for Cucurbita_126:
(36, 72202), (40, 72217), (56, 72262), (Start: 82 @72310 has 6 MA's), (Start: 106 @72355 has 2 MA's), (150, 72484),

Gene: Culver_125 Start: 70325, Stop: 70618, Start Num: 80
Candidate Starts for Culver_125:
(Start: 80 @70325 has 13 MA's), (Start: 106 @70373 has 2 MA's), (150, 70502),

Gene: Cyan_33 Start: 24752, Stop: 24994, Start Num: 85
Candidate Starts for Cyan_33:
(11, 24494), (Start: 85 @24752 has 12 MA's), (151, 24911),

Gene: Czyszczon1_38 Start: 32880, Stop: 33125, Start Num: 97
Candidate Starts for Czyszczon1_38:
(Start: 97 @32880 has 235 MA's), (113, 32937), (123, 32970), (125, 32976), (148, 33030), (154, 33042),

Gene: DS6A_74 Start: 48826, Stop: 49065, Start Num: 97

Candidate Starts for DS6A_74:
(18, 48631), (Start: 97 @48826 has 235 MA's), (108, 48868), (117, 48901), (151, 48985),

Gene: Daddyjeff_52 Start: 34278, Stop: 34511, Start Num: 89
Candidate Starts for Daddyjeff_52:
(Start: 89 @34278 has 4 MA's), (141, 34413),

Gene: Daikon_36 Start: 32873, Stop: 33118, Start Num: 97
Candidate Starts for Daikon_36:
(Start: 97 @32873 has 235 MA's), (113, 32930), (123, 32963), (125, 32969), (146, 33017), (148, 33023), (154, 33035),

Gene: Dallas_54 Start: 43667, Stop: 43912, Start Num: 97
Candidate Starts for Dallas_54:
(Start: 97 @43667 has 235 MA's), (114, 43730), (124, 43760), (125, 43763), (151, 43823), (154, 43826), (156, 43829),

Gene: Dardanus_57 Start: 37159, Stop: 37398, Start Num: 90
Candidate Starts for Dardanus_57:
(35, 37051), (Start: 90 @37159 has 21 MA's), (109, 37201), (125, 37252), (126, 37255), (151, 37306), (156, 37315), (164, 37336),

Gene: Daredevil_75 Start: 52964, Stop: 52707, Start Num: 74
Candidate Starts for Daredevil_75:
(50, 53015), (56, 53000), (59, 52991), (61, 52988), (Start: 74 @52964 has 6 MA's), (151, 52793),

Gene: Dashyla_9 Start: 6362, Stop: 6042, Start Num: 91
Candidate Starts for Dashyla_9:
(43, 6452), (Start: 91 @6362 has 58 MA's), (109, 6311), (114, 6296), (124, 6248), (172, 6107),

Gene: DatBoi_82 Start: 57093, Stop: 56827, Start Num: 74
Candidate Starts for DatBoi_82:
(Start: 58 @57123 has 1 MA's), (60, 57120), (Start: 74 @57093 has 6 MA's),

Gene: Dinger_45 Start: 34431, Stop: 34135, Start Num: 88
Candidate Starts for Dinger_45:
(Start: 88 @34431 has 36 MA's), (100, 34413), (Start: 102 @34407 has 11 MA's), (142, 34290), (154, 34257), (157, 34251), (185, 34191), (191, 34143),

Gene: DinoDaryn_63 Start: 39006, Stop: 39230, Start Num: 90
Candidate Starts for DinoDaryn_63:
(Start: 90 @39006 has 21 MA's), (109, 39048), (123, 39093), (126, 39102), (151, 39153), (156, 39162), (164, 39183),

Gene: Divya_49 Start: 34038, Stop: 34328, Start Num: 84
Candidate Starts for Divya_49:
(Start: 84 @34038 has 3 MA's), (Start: 106 @34089 has 2 MA's), (110, 34104), (148, 34212), (153, 34227), (181, 34302),

Gene: DmpstrDiver_53 Start: 43660, Stop: 43905, Start Num: 97
Candidate Starts for DmpstrDiver_53:
(Start: 97 @43660 has 235 MA's), (114, 43723), (124, 43753), (125, 43756), (151, 43816), (154, 43819), (156, 43822),

Gene: DoctorDiddles_37 Start: 32297, Stop: 32542, Start Num: 97
Candidate Starts for DoctorDiddles_37:
(Start: 97 @32297 has 235 MA's), (113, 32354), (123, 32387), (125, 32393), (146, 32441), (148, 32447), (154, 32459),

Gene: Dodo_214 Start: 118119, Stop: 117865, Start Num: 97
Candidate Starts for Dodo_214:
(Start: 97 @118119 has 235 MA's), (133, 118005), (146, 117978), (164, 117933),

Gene: Dodo_367 Start: 185243, Stop: 185473, Start Num: 99
Candidate Starts for Dodo_367:
(Start: 99 @185243 has 32 MA's), (117, 185315), (131, 185357), (161, 185444), (169, 185462),

Gene: Dodo_21 Start: 7043, Stop: 7273, Start Num: 99
Candidate Starts for Dodo_21:
(Start: 99 @7043 has 32 MA's), (117, 7115), (131, 7157), (161, 7244), (169, 7262),

Gene: Donkey_31 Start: 22496, Stop: 22762, Start Num: 87
Candidate Starts for Donkey_31:
(Start: 87 @22496 has 16 MA's), (Start: 94 @22505 has 11 MA's), (Start: 99 @22511 has 32 MA's), (116, 22574),

Gene: DoubleChamp_57 Start: 40730, Stop: 40978, Start Num: 99
Candidate Starts for DoubleChamp_57:
(Start: 99 @40730 has 32 MA's), (142, 40862), (151, 40892), (172, 40925),

Gene: Douge_30 Start: 27474, Stop: 27737, Start Num: 97
Candidate Starts for Douge_30:
(Start: 97 @27474 has 235 MA's), (108, 27519), (124, 27567), (154, 27633),

Gene: Dove_49 Start: 43194, Stop: 43442, Start Num: 97
Candidate Starts for Dove_49:
(Start: 97 @43194 has 235 MA's), (107, 43233), (124, 43287), (125, 43290), (150, 43347), (167, 43383), (186, 43431),

Gene: DrDrey_38 Start: 33627, Stop: 33872, Start Num: 97
Candidate Starts for DrDrey_38:
(Start: 97 @33627 has 235 MA's), (113, 33684), (123, 33717), (125, 33723), (148, 33777), (154, 33789),

Gene: DrManhattan_32 Start: 23095, Stop: 23340, Start Num: 75
Candidate Starts for DrManhattan_32:
(7, 22726), (11, 22840), (16, 22876), (Start: 75 @23095 has 6 MA's),

Gene: DrSeegs_32 Start: 28422, Stop: 28688, Start Num: 97
Candidate Starts for DrSeegs_32:
(Start: 97 @28422 has 235 MA's), (108, 28467), (125, 28518), (156, 28584), (186, 28656), (190, 28677),

Gene: DrSierra_32 Start: 23583, Stop: 23849, Start Num: 78
Candidate Starts for DrSierra_32:
(11, 23325), (16, 23361), (42, 23499), (Start: 78 @23583 has 39 MA's), (151, 23766),

Gene: DreamEater_53 Start: 35811, Stop: 36119, Start Num: 65
Candidate Starts for DreamEater_53:
(Start: 65 @35811 has 1 MA's), (100, 35862), (125, 35952), (141, 35982), (156, 36021),

Gene: Duke13_55 Start: 43999, Stop: 44247, Start Num: 97
Candidate Starts for Duke13_55:
(Start: 97 @43999 has 235 MA's), (144, 44131),

Gene: Dumbo_37 Start: 32602, Stop: 32847, Start Num: 97
Candidate Starts for Dumbo_37:
(Start: 97 @32602 has 235 MA's), (113, 32659), (123, 32692), (125, 32698), (148, 32752), (154, 32764),

Gene: DumpQuist_9 Start: 6359, Stop: 6036, Start Num: 91
Candidate Starts for DumpQuist_9:
(Start: 91 @6359 has 58 MA's), (109, 6308), (118, 6263), (124, 6245), (158, 6140), (179, 6089),

Gene: DuncansLeg_31 Start: 28758, Stop: 29024, Start Num: 97
Candidate Starts for DuncansLeg_31:
(Start: 97 @28758 has 235 MA's), (Start: 102 @28770 has 11 MA's), (108, 28803), (124, 28851),

Gene: DunneganBoMo_97 Start: 82929, Stop: 83189, Start Num: 97
Candidate Starts for DunneganBoMo_97:
(Start: 97 @82929 has 235 MA's), (163, 83118), (178, 83148), (179, 83151),

Gene: Dusk_36 Start: 32787, Stop: 33032, Start Num: 97
Candidate Starts for Dusk_36:
(Start: 97 @32787 has 235 MA's), (113, 32844), (123, 32877), (125, 32883), (146, 32931), (148, 32937), (154, 32949),

Gene: Dusty_122 Start: 70537, Stop: 70830, Start Num: 80
Candidate Starts for Dusty_122:
(Start: 80 @70537 has 13 MA's), (Start: 106 @70585 has 2 MA's), (150, 70714),

Gene: DyoEdafos_31 Start: 27675, Stop: 27938, Start Num: 97
Candidate Starts for DyoEdafos_31:
(Start: 97 @27675 has 235 MA's), (108, 27720), (154, 27834),

Gene: Easy2Say_39 Start: 34385, Stop: 34630, Start Num: 97
Candidate Starts for Easy2Say_39:
(Start: 97 @34385 has 235 MA's), (113, 34442), (123, 34475), (125, 34481), (148, 34535), (154, 34547),

Gene: Eevee_51 Start: 37090, Stop: 37338, Start Num: 94
Candidate Starts for Eevee_51:
(Start: 94 @37090 has 11 MA's), (125, 37189), (129, 37195), (150, 37249), (151, 37252), (154, 37258), (184, 37327),

Gene: Ejimix_52 Start: 44918, Stop: 45163, Start Num: 97
Candidate Starts for Ejimix_52:
(Start: 97 @44918 has 235 MA's), (114, 44981), (124, 45011), (125, 45014), (151, 45074), (154, 45077), (156, 45080),

Gene: Elezi_34 Start: 26623, Stop: 26880, Start Num: 78
Candidate Starts for Elezi_34:
(11, 26386), (12, 26395), (Start: 78 @26623 has 39 MA's), (109, 26671), (157, 26788),

Gene: Elite2014_36 Start: 32342, Stop: 32587, Start Num: 97
Candidate Starts for Elite2014_36:
(Start: 97 @32342 has 235 MA's), (113, 32399), (123, 32432), (125, 32438), (148, 32492), (154, 32504),

Gene: Ellewin_96 Start: 82340, Stop: 82600, Start Num: 97
Candidate Starts for Ellewin_96:
(Start: 97 @82340 has 235 MA's), (163, 82529), (178, 82559), (179, 82562),

Gene: Ellson_31 Start: 28745, Stop: 29011, Start Num: 97
Candidate Starts for Ellson_31:
(Start: 97 @28745 has 235 MA's), (Start: 102 @28757 has 11 MA's), (108, 28790), (124, 28838),

Gene: Elph10_38 Start: 32605, Stop: 32850, Start Num: 97
Candidate Starts for Elph10_38:
(Start: 97 @32605 has 235 MA's), (113, 32662), (123, 32695), (125, 32701), (148, 32755), (154, 32767),

Gene: EmiRose_45 Start: 36642, Stop: 36902, Start Num: 90
Candidate Starts for EmiRose_45:
(Start: 90 @36642 has 21 MA's), (130, 36756), (132, 36765), (154, 36816), (156, 36819),

Gene: Emmetator_100 Start: 82884, Stop: 83144, Start Num: 97
Candidate Starts for Emmetator_100:
(Start: 97 @82884 has 235 MA's), (163, 83073), (178, 83103), (179, 83106),

Gene: Emmina_38 Start: 32963, Stop: 33208, Start Num: 97
Candidate Starts for Emmina_38:
(Start: 97 @32963 has 235 MA's), (113, 33020), (123, 33053), (125, 33059), (148, 33113), (154, 33125),

Gene: Emotion_38 Start: 26311, Stop: 26598, Start Num: 91
Candidate Starts for Emotion_38:
(57, 26266), (Start: 91 @26311 has 58 MA's),

Gene: Engineer_127 Start: 71970, Stop: 72260, Start Num: 82
Candidate Starts for Engineer_127:
(36, 71862), (40, 71877), (56, 71922), (Start: 82 @71970 has 6 MA's), (Start: 106 @72015 has 2 MA's), (150, 72144),

Gene: EniyanLRS_50 Start: 39059, Stop: 39307, Start Num: 95
Candidate Starts for EniyanLRS_50:
(Start: 95 @39059 has 5 MA's), (120, 39140), (143, 39188), (156, 39221), (157, 39224), (158, 39227), (175, 39260), (187, 39296),

Gene: Eraser_34 Start: 26614, Stop: 26871, Start Num: 78
Candidate Starts for Eraser_34:
(11, 26377), (12, 26386), (Start: 78 @26614 has 39 MA's), (109, 26662), (157, 26779),

Gene: Erasmago_208 Start: 112982, Stop: 112728, Start Num: 97
Candidate Starts for Erasmago_208:
(28, 113141), (29, 113132), (39, 113096), (46, 113075), (64, 113030), (Start: 97 @112982 has 235 MA's), (146, 112841),

Gene: EricMillard_52 Start: 44419, Stop: 44664, Start Num: 97
Candidate Starts for EricMillard_52:
(Start: 97 @44419 has 235 MA's), (114, 44482), (124, 44512), (125, 44515), (151, 44575), (154, 44578), (156, 44581),

Gene: Erik_46 Start: 34230, Stop: 33934, Start Num: 88
Candidate Starts for Erik_46:
(Start: 88 @34230 has 36 MA's), (100, 34212), (Start: 102 @34206 has 11 MA's), (142, 34089), (154, 34056), (157, 34050), (185, 33990), (191, 33942),

Gene: Espica_46 Start: 34231, Stop: 33935, Start Num: 88
Candidate Starts for Espica_46:
(Start: 88 @34231 has 36 MA's), (100, 34213), (Start: 102 @34207 has 11 MA's), (142, 34090), (154, 34057), (157, 34051), (185, 33991), (191, 33943),

Gene: EugeneKrabs_9 Start: 6127, Stop: 5798, Start Num: 91
Candidate Starts for EugeneKrabs_9:
(Start: 91 @6127 has 58 MA's), (109, 6073), (136, 5974), (158, 5905), (167, 5881), (185, 5836),

Gene: Eureka_38 Start: 33647, Stop: 33895, Start Num: 94
Candidate Starts for Eureka_38:
(54, 33578), (55, 33581), (66, 33608), (Start: 94 @33647 has 11 MA's), (113, 33707), (123, 33740), (125, 33746), (148, 33800), (154, 33812),

Gene: Exile_31 Start: 26521, Stop: 26784, Start Num: 97
Candidate Starts for Exile_31:
(Start: 97 @26521 has 235 MA's), (165, 26719), (176, 26752),

Gene: Ezurina_2 Start: 591, Stop: 860, Start Num: 91
Candidate Starts for Ezurina_2:
(Start: 91 @591 has 58 MA's), (123, 687), (146, 741),

Gene: FairyPath_37 Start: 33330, Stop: 33575, Start Num: 97
Candidate Starts for FairyPath_37:
(Start: 97 @33330 has 235 MA's), (113, 33387), (123, 33420), (125, 33426), (148, 33480), (154, 33492),

Gene: Faith1_32 Start: 28422, Stop: 28688, Start Num: 97
Candidate Starts for Faith1_32:
(Start: 97 @28422 has 235 MA's), (108, 28467), (125, 28518), (156, 28584), (186, 28656), (190, 28677),

Gene: Fede_9 Start: 6342, Stop: 6010, Start Num: 91
Candidate Starts for Fede_9:
(Start: 91 @6342 has 58 MA's), (Start: 106 @6303 has 2 MA's), (109, 6291), (115, 6273), (136, 6192), (172, 6087),

Gene: Filch_38 Start: 32893, Stop: 33138, Start Num: 97
Candidate Starts for Filch_38:
(Start: 97 @32893 has 235 MA's), (113, 32950), (123, 32983), (125, 32989), (148, 33043), (154, 33055),

Gene: Finemlucis_32 Start: 28698, Stop: 28964, Start Num: 97
Candidate Starts for Finemlucis_32:
(Start: 97 @28698 has 235 MA's), (108, 28743), (125, 28794), (156, 28860), (186, 28932), (190, 28953),

Gene: Finnry_31 Start: 28788, Stop: 29054, Start Num: 97
Candidate Starts for Finnry_31:
(Start: 97 @28788 has 235 MA's), (Start: 102 @28800 has 11 MA's), (108, 28833),

Gene: FireRed_37 Start: 33163, Stop: 33408, Start Num: 97
Candidate Starts for FireRed_37:
(Start: 97 @33163 has 235 MA's), (113, 33220), (123, 33253), (125, 33259), (148, 33313), (154, 33325),

Gene: FiveHead_43 Start: 26555, Stop: 26893, Start Num: 91
Candidate Starts for FiveHead_43:
(27, 26408), (Start: 91 @26555 has 58 MA's),

Gene: Floof_43 Start: 27647, Stop: 27949, Start Num: 70
Candidate Starts for Floof_43:
(Start: 70 @27647 has 1 MA's), (Start: 84 @27665 has 3 MA's), (119, 27767), (125, 27785), (140, 27818), (180, 27932),

Gene: FloraSnap32_108 Start: 86040, Stop: 86288, Start Num: 97
Candidate Starts for FloraSnap32_108:
(Start: 97 @86040 has 235 MA's), (100, 86046), (Start: 102 @86052 has 11 MA's),

Gene: Flutur_33 Start: 24982, Stop: 25248, Start Num: 78
Candidate Starts for Flutur_33:
(11, 24724), (16, 24760), (Start: 78 @24982 has 39 MA's), (151, 25165),

Gene: Flypotenuse_35 Start: 32731, Stop: 32976, Start Num: 97
Candidate Starts for Flypotenuse_35:
(Start: 97 @32731 has 235 MA's), (113, 32788), (123, 32821), (125, 32827), (146, 32875), (148, 32881), (154, 32893),

Gene: FoghornLeghorn_36 Start: 32639, Stop: 32884, Start Num: 97
Candidate Starts for FoghornLeghorn_36:
(Start: 97 @32639 has 235 MA's), (113, 32696), (123, 32729), (125, 32735), (148, 32789), (154, 32801),

Gene: Footloose_59 Start: 33811, Stop: 34044, Start Num: 91
Candidate Starts for Footloose_59:
(Start: 91 @33811 has 58 MA's), (Start: 102 @33826 has 11 MA's), (120, 33895), (141, 33931), (144, 33940), (154, 33967),

Gene: Forester_41 Start: 28747, Stop: 29004, Start Num: 78
Candidate Starts for Forester_41:

(Start: 78 @28747 has 39 MA's), (109, 28801), (153, 28927), (159, 28939), (163, 28951),

Gene: FrostedClock_111 Start: 87337, Stop: 87585, Start Num: 97
Candidate Starts for FrostedClock_111:
(Start: 97 @87337 has 235 MA's), (100, 87343), (Start: 102 @87349 has 11 MA's),

Gene: Fullmetal_9 Start: 6128, Stop: 5772, Start Num: 91
Candidate Starts for Fullmetal_9:
(Start: 91 @6128 has 58 MA's), (Start: 106 @6089 has 2 MA's), (110, 6074), (132, 5987), (136, 5978), (172, 5870), (174, 5861), (185, 5822),

Gene: GUPitcher_54 Start: 35925, Stop: 36233, Start Num: 65
Candidate Starts for GUPitcher_54:
(Start: 65 @35925 has 1 MA's), (100, 35976), (125, 36066), (141, 36096), (156, 36135),

Gene: Gabriela_32 Start: 28684, Stop: 28950, Start Num: 97
Candidate Starts for Gabriela_32:
(Start: 97 @28684 has 235 MA's), (108, 28729), (125, 28780), (156, 28846), (186, 28918), (190, 28939),

Gene: Gage_39 Start: 33125, Stop: 33370, Start Num: 97
Candidate Starts for Gage_39:
(Start: 97 @33125 has 235 MA's), (113, 33182), (123, 33215), (125, 33221), (148, 33275), (154, 33287),

Gene: Gambol_31 Start: 22494, Stop: 22760, Start Num: 87
Candidate Starts for Gambol_31:
(Start: 87 @22494 has 16 MA's), (Start: 94 @22503 has 11 MA's), (Start: 99 @22509 has 32 MA's), (116, 22572),

Gene: Gardann_32 Start: 28424, Stop: 28690, Start Num: 97
Candidate Starts for Gardann_32:
(Start: 97 @28424 has 235 MA's), (108, 28469), (125, 28520), (156, 28586), (186, 28658), (190, 28679),

Gene: GardenState_42 Start: 27075, Stop: 27341, Start Num: 78
Candidate Starts for GardenState_42:
(Start: 78 @27075 has 39 MA's),

Gene: Gator_35 Start: 32743, Stop: 32988, Start Num: 97
Candidate Starts for Gator_35:
(Start: 97 @32743 has 235 MA's), (113, 32800), (123, 32833), (125, 32839), (148, 32893), (154, 32905),

Gene: Geeche_123 Start: 70760, Stop: 71053, Start Num: 80
Candidate Starts for Geeche_123:
(Start: 80 @70760 has 13 MA's), (Start: 106 @70808 has 2 MA's), (150, 70937),

Gene: Gemini_40 Start: 33642, Stop: 33887, Start Num: 97
Candidate Starts for Gemini_40:
(Start: 97 @33642 has 235 MA's), (113, 33699), (123, 33732), (125, 33738), (148, 33792), (154, 33804),

Gene: Gengar_60 Start: 42478, Stop: 42726, Start Num: 99
Candidate Starts for Gengar_60:
(Start: 99 @42478 has 32 MA's), (115, 42541),

Gene: Gerri43_3 Start: 977, Stop: 1246, Start Num: 91
Candidate Starts for Gerri43_3:
(Start: 91 @977 has 58 MA's),

Gene: Giorgio_31 Start: 22596, Stop: 22862, Start Num: 87
Candidate Starts for Giorgio_31:
(Start: 87 @22596 has 16 MA's), (Start: 99 @22611 has 32 MA's), (116, 22674), (169, 22794),

Gene: Glexan_35 Start: 32731, Stop: 32976, Start Num: 97
Candidate Starts for Glexan_35:
(Start: 97 @32731 has 235 MA's), (113, 32788), (123, 32821), (125, 32827), (146, 32875), (148, 32881), (154, 32893),

Gene: Goib_64 Start: 40122, Stop: 40346, Start Num: 90
Candidate Starts for Goib_64:
(Start: 90 @40122 has 21 MA's), (109, 40164), (123, 40209), (126, 40218), (151, 40269), (156, 40278),

Gene: Goku_38 Start: 33376, Stop: 33624, Start Num: 94
Candidate Starts for Goku_38:
(54, 33307), (55, 33310), (66, 33337), (Start: 94 @33376 has 11 MA's), (113, 33436), (123, 33469), (125, 33475), (148, 33529), (154, 33541),

Gene: GoldDust_40 Start: 33666, Stop: 33986, Start Num: 84
Candidate Starts for GoldDust_40:
(Start: 84 @33666 has 3 MA's), (110, 33732), (163, 33912), (181, 33957),

Gene: GoldenEssence_94 Start: 80932, Stop: 81180, Start Num: 97
Candidate Starts for GoldenEssence_94:
(Start: 97 @80932 has 235 MA's), (100, 80938), (Start: 102 @80944 has 11 MA's),

Gene: GoldenSpark_39 Start: 33125, Stop: 33370, Start Num: 97
Candidate Starts for GoldenSpark_39:
(Start: 97 @33125 has 235 MA's), (113, 33182), (123, 33215), (125, 33221), (148, 33275), (154, 33287),

Gene: Goldilocks_38 Start: 32545, Stop: 32790, Start Num: 97
Candidate Starts for Goldilocks_38:
(Start: 97 @32545 has 235 MA's), (113, 32602), (123, 32635), (125, 32641), (148, 32695), (154, 32707),

Gene: Gollum_46 Start: 34296, Stop: 34000, Start Num: 88
Candidate Starts for Gollum_46:
(Start: 88 @34296 has 36 MA's), (100, 34278), (Start: 102 @34272 has 11 MA's), (142, 34155), (154, 34122), (157, 34116), (185, 34056), (191, 34008),

Gene: GooberAzure_39 Start: 33125, Stop: 33370, Start Num: 97
Candidate Starts for GooberAzure_39:
(Start: 97 @33125 has 235 MA's), (113, 33182), (123, 33215), (125, 33221), (148, 33275), (154, 33287),

Gene: Gooberta_40 Start: 33665, Stop: 33985, Start Num: 84
Candidate Starts for Gooberta_40:
(Start: 84 @33665 has 3 MA's), (110, 33731), (163, 33911), (181, 33956),

Gene: Greely_81 Start: 31000, Stop: 31251, Start Num: 97
Candidate Starts for Greely_81:
(Start: 97 @31000 has 235 MA's), (109, 31045), (141, 31126),

Gene: Greep_38 Start: 33455, Stop: 33700, Start Num: 97
Candidate Starts for Greep_38:
(Start: 97 @33455 has 235 MA's), (113, 33512), (123, 33545), (125, 33551), (148, 33605), (154, 33617),

Gene: Gretchen_42 Start: 28431, Stop: 28688, Start Num: 78
Candidate Starts for Gretchen_42:
(Start: 78 @28431 has 39 MA's), (109, 28485), (153, 28611), (159, 28623), (163, 28635),

Gene: GrimEater_31 Start: 23740, Stop: 23991, Start Num: 97
Candidate Starts for GrimEater_31:
(Start: 97 @23740 has 235 MA's), (164, 23935), (165, 23938), (170, 23947),

Gene: Gsput1_55 Start: 37586, Stop: 37813, Start Num: 93
Candidate Starts for Gsput1_55:
(Start: 93 @37586 has 8 MA's), (109, 37628), (122, 37670), (154, 37739), (158, 37748), (182, 37796),

Gene: Gumpizza_31 Start: 22588, Stop: 22854, Start Num: 87
Candidate Starts for Gumpizza_31:
(Start: 87 @22588 has 16 MA's), (Start: 99 @22603 has 32 MA's), (116, 22666), (169, 22786),

Gene: GuuelaD_32 Start: 28456, Stop: 28722, Start Num: 97
Candidate Starts for GuuelaD_32:
(Start: 97 @28456 has 235 MA's), (108, 28501), (125, 28552), (156, 28618), (186, 28690), (190, 28711),

Gene: Halley_52 Start: 44132, Stop: 44377, Start Num: 97
Candidate Starts for Halley_52:
(Start: 97 @44132 has 235 MA's), (114, 44195), (124, 44225), (125, 44228), (151, 44288), (154, 44291), (156, 44294),

Gene: Halsey_31 Start: 22590, Stop: 22856, Start Num: 87
Candidate Starts for Halsey_31:
(Start: 87 @22590 has 16 MA's), (Start: 99 @22605 has 32 MA's), (116, 22668), (121, 22686), (169, 22788),

Gene: HanKaySha_38 Start: 32877, Stop: 33122, Start Num: 97
Candidate Starts for HanKaySha_38:
(Start: 97 @32877 has 235 MA's), (113, 32934), (123, 32967), (125, 32973), (148, 33027), (154, 33039),

Gene: Hannaconda_48 Start: 38620, Stop: 38868, Start Num: 97
Candidate Starts for Hannaconda_48:
(Start: 97 @38620 has 235 MA's), (144, 38752),

Gene: Harella_36 Start: 33247, Stop: 33492, Start Num: 97
Candidate Starts for Harella_36:
(Start: 97 @33247 has 235 MA's), (113, 33304), (123, 33337), (125, 33343), (146, 33391), (148, 33397), (154, 33409),

Gene: Harlequin_45 Start: 34082, Stop: 33786, Start Num: 88
Candidate Starts for Harlequin_45:
(Start: 88 @34082 has 36 MA's), (100, 34064), (Start: 102 @34058 has 11 MA's), (142, 33941), (154, 33908), (157, 33902), (185, 33842), (191, 33794),

Gene: Henry_38 Start: 33135, Stop: 33380, Start Num: 97
Candidate Starts for Henry_38:
(Start: 97 @33135 has 235 MA's), (113, 33192), (123, 33225), (125, 33231), (146, 33279), (148, 33285), (154, 33297),

Gene: Highbury_38 Start: 32793, Stop: 33038, Start Num: 97
Candidate Starts for Highbury_38:
(Start: 97 @32793 has 235 MA's), (113, 32850), (123, 32883), (125, 32889), (148, 32943), (154, 32955),

Gene: Hirko_38 Start: 32932, Stop: 33225, Start Num: 84
Candidate Starts for Hirko_38:
(Start: 71 @32917 has 2 MA's), (Start: 84 @32932 has 3 MA's), (127, 33052), (146, 33100), (181, 33196),

Gene: Hiro_46 Start: 34558, Stop: 34262, Start Num: 88
Candidate Starts for Hiro_46:
(Start: 88 @34558 has 36 MA's), (100, 34540), (Start: 102 @34534 has 11 MA's), (114, 34486), (142, 34417), (154, 34384), (157, 34378), (185, 34318), (191, 34270),

Gene: HitchHiker_10 Start: 6310, Stop: 5987, Start Num: 91
Candidate Starts for HitchHiker_10:
(19, 6478), (26, 6460), (33, 6427), (Start: 91 @6310 has 58 MA's), (109, 6259), (114, 6244), (124, 6196), (159, 6088), (179, 6040), (185, 6022),

Gene: HokkenD_45 Start: 42401, Stop: 42646, Start Num: 97
Candidate Starts for HokkenD_45:
(Start: 97 @42401 has 235 MA's), (114, 42464), (124, 42494), (125, 42497), (151, 42557), (154, 42560), (156, 42563),

Gene: Holt_38 Start: 32412, Stop: 32657, Start Num: 97
Candidate Starts for Holt_38:
(Start: 97 @32412 has 235 MA's), (113, 32469), (123, 32502), (125, 32508), (146, 32556), (148, 32562), (154, 32574),

Gene: Honk_39 Start: 24394, Stop: 24654, Start Num: 77
Candidate Starts for Honk_39:
(Start: 77 @24394 has 1 MA's), (105, 24433),

Gene: Hoonter_39 Start: 33125, Stop: 33370, Start Num: 97
Candidate Starts for Hoonter_39:

(Start: 97 @33125 has 235 MA's), (113, 33182), (123, 33215), (125, 33221), (148, 33275), (154, 33287),

Gene: Hopey_39 Start: 33412, Stop: 33657, Start Num: 97
Candidate Starts for Hopey_39:
(Start: 97 @33412 has 235 MA's), (113, 33469), (123, 33502), (125, 33508), (148, 33562), (154, 33574),

Gene: HufflyPuff_36 Start: 33119, Stop: 33364, Start Num: 97
Candidate Starts for HufflyPuff_36:
(Start: 97 @33119 has 235 MA's), (113, 33176), (123, 33209), (125, 33215), (148, 33269), (154, 33281),

Gene: Huffy_63 Start: 39006, Stop: 39230, Start Num: 90
Candidate Starts for Huffy_63:
(Start: 90 @39006 has 21 MA's), (109, 39048), (123, 39093), (126, 39102), (151, 39153), (156, 39162), (164, 39183),

Gene: Hughesyang_50 Start: 44061, Stop: 44306, Start Num: 97
Candidate Starts for Hughesyang_50:
(Start: 97 @44061 has 235 MA's), (114, 44124), (124, 44154), (125, 44157), (151, 44217), (154, 44220), (156, 44223),

Gene: Hurricane_68 Start: 44101, Stop: 44340, Start Num: 99
Candidate Starts for Hurricane_68:
(Start: 99 @44101 has 32 MA's), (Start: 106 @44134 has 2 MA's), (128, 44188), (147, 44248), (151, 44260),

Gene: IAmGroot_42 Start: 27740, Stop: 28006, Start Num: 78
Candidate Starts for IAmGroot_42:
(Start: 78 @27740 has 39 MA's),

Gene: IUFootball_36 Start: 26803, Stop: 26994, Start Num: 111
Candidate Starts for IUFootball_36:
(Start: 69 @26752 has 2 MA's), (Start: 111 @26803 has 1 MA's), (151, 26911),

Gene: Icee_36 Start: 32793, Stop: 33038, Start Num: 97
Candidate Starts for Icee_36:
(Start: 97 @32793 has 235 MA's), (113, 32850), (123, 32883), (125, 32889), (148, 32943), (154, 32955),

Gene: Inca_36 Start: 31814, Stop: 32059, Start Num: 97
Candidate Starts for Inca_36:
(Start: 97 @31814 has 235 MA's), (113, 31871), (123, 31904), (125, 31910), (148, 31964), (154, 31976),

Gene: Indlulamithi_37 Start: 32452, Stop: 32694, Start Num: 94
Candidate Starts for Indlulamithi_37:
(Start: 94 @32452 has 11 MA's), (Start: 111 @32506 has 1 MA's), (139, 32593), (166, 32677), (168, 32680),

Gene: InvictusManeo_58 Start: 40773, Stop: 41021, Start Num: 99
Candidate Starts for InvictusManeo_58:

(Start: 99 @40773 has 32 MA's), (142, 40905), (151, 40935), (172, 40968),

Gene: Iter_34 Start: 24797, Stop: 25063, Start Num: 78
Candidate Starts for Iter_34:
(Start: 78 @24797 has 39 MA's), (151, 24980),

Gene: Itos_32 Start: 28422, Stop: 28688, Start Num: 97
Candidate Starts for Itos_32:
(Start: 97 @28422 has 235 MA's), (108, 28467), (125, 28518), (156, 28584), (186, 28656), (190, 28677),

Gene: IttyBittyPiggy_33 Start: 24853, Stop: 25107, Start Num: 75
Candidate Starts for IttyBittyPiggy_33:
(11, 24598), (16, 24634), (Start: 75 @24853 has 6 MA's),

Gene: Janeemi_35 Start: 26823, Stop: 27089, Start Num: 78
Candidate Starts for Janeemi_35:
(Start: 78 @26823 has 39 MA's),

Gene: Jankie_33 Start: 23923, Stop: 24174, Start Num: 97
Candidate Starts for Jankie_33:
(Start: 97 @23923 has 235 MA's), (164, 24118), (165, 24121),

Gene: JasmineDragon_39 Start: 26463, Stop: 26750, Start Num: 91
Candidate Starts for JasmineDragon_39:
(Start: 91 @26463 has 58 MA's), (154, 26655),

Gene: JeTaime_39 Start: 33936, Stop: 34181, Start Num: 97
Candidate Starts for JeTaime_39:
(Start: 97 @33936 has 235 MA's), (113, 33993), (123, 34026), (125, 34032), (148, 34086), (154, 34098),

Gene: JessellCookie_9 Start: 6219, Stop: 5899, Start Num: 91
Candidate Starts for JessellCookie_9:
(Start: 91 @6219 has 58 MA's), (109, 6168), (110, 6165), (158, 6000), (185, 5931),

Gene: Jester_45 Start: 34013, Stop: 33717, Start Num: 88
Candidate Starts for Jester_45:
(Start: 88 @34013 has 36 MA's), (100, 33995), (Start: 102 @33989 has 11 MA's), (142, 33872), (154, 33839), (157, 33833), (185, 33773), (191, 33725),

Gene: JimmyPG_9 Start: 6105, Stop: 5752, Start Num: 93
Candidate Starts for JimmyPG_9:
(43, 6201), (Start: 91 @6108 has 58 MA's), (Start: 93 @6105 has 8 MA's), (Start: 106 @6069 has 2 MA's), (135, 5961), (149, 5916), (174, 5841), (185, 5802),

Gene: Jinkies_45 Start: 34146, Stop: 34457, Start Num: 84
Candidate Starts for Jinkies_45:
(Start: 84 @34146 has 3 MA's), (Start: 97 @34164 has 235 MA's), (122, 34263), (125, 34272), (171, 34398), (184, 34434),

Gene: Joemato_33 Start: 24755, Stop: 25021, Start Num: 78
Candidate Starts for Joemato_33:

(11, 24497), (Start: 78 @24755 has 39 MA's), (151, 24938),

Gene: JohnDoe_33 Start: 24746, Stop: 25012, Start Num: 78
Candidate Starts for JohnDoe_33:
(11, 24488), (Start: 78 @24746 has 39 MA's), (151, 24929),

Gene: JohnThicc_42 Start: 26555, Stop: 26893, Start Num: 91
Candidate Starts for JohnThicc_42:
(27, 26408), (Start: 91 @26555 has 58 MA's),

Gene: JonJames_133 Start: 77174, Stop: 77473, Start Num: 80
Candidate Starts for JonJames_133:
(Start: 80 @77174 has 13 MA's), (109, 77234), (122, 77276), (125, 77285), (141, 77321), (150, 77351),

Gene: JordanFarm_9 Start: 6089, Stop: 5751, Start Num: 91
Candidate Starts for JordanFarm_9:
(37, 6161), (Start: 91 @6089 has 58 MA's), (Start: 106 @6050 has 2 MA's), (123, 5978), (136, 5939), (186, 5798),

Gene: JoyLin_51 Start: 37210, Stop: 37458, Start Num: 94
Candidate Starts for JoyLin_51:
(Start: 94 @37210 has 11 MA's), (125, 37309), (129, 37315), (150, 37369), (151, 37372), (154, 37378), (184, 37447),

Gene: Jstan_36 Start: 26608, Stop: 26865, Start Num: 78
Candidate Starts for Jstan_36:
(11, 26371), (12, 26380), (Start: 78 @26608 has 39 MA's), (109, 26656), (157, 26773),

Gene: Jubie_31 Start: 28785, Stop: 29051, Start Num: 97
Candidate Starts for Jubie_31:
(Start: 97 @28785 has 235 MA's), (Start: 102 @28797 has 11 MA's), (108, 28830),

Gene: JuicyJay_54 Start: 45887, Stop: 46132, Start Num: 97
Candidate Starts for JuicyJay_54:
(Start: 97 @45887 has 235 MA's), (114, 45950), (124, 45980), (125, 45983), (151, 46043), (154, 46046), (156, 46049),

Gene: JuneStar_33 Start: 26763, Stop: 27023, Start Num: 85
Candidate Starts for JuneStar_33:
(Start: 85 @26763 has 12 MA's), (151, 26922),

Gene: KSunshine22_102 Start: 83941, Stop: 84201, Start Num: 97
Candidate Starts for KSunshine22_102:
(Start: 97 @83941 has 235 MA's), (178, 84160), (179, 84163),

Gene: Kalah2_52 Start: 44487, Stop: 44732, Start Num: 97
Candidate Starts for Kalah2_52:
(Start: 97 @44487 has 235 MA's), (114, 44550), (124, 44580), (125, 44583), (151, 44643), (154, 44646), (156, 44649),

Gene: Kalimba_31 Start: 22493, Stop: 22759, Start Num: 87
Candidate Starts for Kalimba_31:

(Start: 87 @22493 has 16 MA's), (Start: 94 @22502 has 11 MA's), (Start: 99 @22508 has 32 MA's), (116, 22571),

Gene: Kanye_39 Start: 34121, Stop: 34366, Start Num: 97
Candidate Starts for Kanye_39:
(Start: 97 @34121 has 235 MA's), (113, 34178), (123, 34211), (125, 34217), (148, 34271), (154, 34283),

Gene: KashFlow_45 Start: 38241, Stop: 38489, Start Num: 97
Candidate Starts for KashFlow_45:
(Start: 97 @38241 has 235 MA's), (144, 38373),

Gene: Kaylissa_33 Start: 24719, Stop: 24961, Start Num: 85
Candidate Starts for Kaylissa_33:
(Start: 85 @24719 has 12 MA's), (151, 24878),

Gene: KeAlii_33 Start: 24733, Stop: 24990, Start Num: 75
Candidate Starts for KeAlii_33:
(15, 24508), (Start: 75 @24733 has 6 MA's),

Gene: Keough_9 Start: 6092, Stop: 5736, Start Num: 91
Candidate Starts for Keough_9:
(Start: 91 @6092 has 58 MA's), (Start: 106 @6053 has 2 MA's), (110, 6038), (136, 5942), (172, 5834), (174, 5825), (185, 5786),

Gene: Khuang_61 Start: 36119, Stop: 36397, Start Num: 97
Candidate Starts for Khuang_61:
(52, 36041), (Start: 97 @36119 has 235 MA's), (109, 36164), (128, 36221), (129, 36224), (150, 36290),

Gene: Kikiko_7 Start: 5275, Stop: 4988, Start Num: 93
Candidate Starts for Kikiko_7:
(Start: 93 @5275 has 8 MA's), (109, 5227), (122, 5185), (149, 5101),

Gene: Kimchi_39 Start: 33128, Stop: 33373, Start Num: 97
Candidate Starts for Kimchi_39:
(Start: 97 @33128 has 235 MA's), (113, 33185), (123, 33218), (125, 33224), (148, 33278), (154, 33290),

Gene: KingKamren_9 Start: 6124, Stop: 5798, Start Num: 91
Candidate Starts for KingKamren_9:
(Start: 91 @6124 has 58 MA's), (109, 6073), (158, 5905), (185, 5836),

Gene: Kingsolomon_31 Start: 28784, Stop: 29050, Start Num: 97
Candidate Starts for Kingsolomon_31:
(Start: 97 @28784 has 235 MA's), (Start: 102 @28796 has 11 MA's), (108, 28829),

Gene: Klein_52 Start: 43699, Stop: 43944, Start Num: 97
Candidate Starts for Klein_52:
(Start: 97 @43699 has 235 MA's), (114, 43762), (124, 43792), (125, 43795), (151, 43855), (154, 43858), (156, 43861),

Gene: Kosier_9 Start: 6342, Stop: 6010, Start Num: 91
Candidate Starts for Kosier_9:

(Start: 91 @6342 has 58 MA's), (Start: 106 @6303 has 2 MA's), (109, 6291), (115, 6273), (136, 6192), (172, 6087),

Gene: Kostya_38 Start: 33136, Stop: 33381, Start Num: 97
Candidate Starts for Kostya_38:
(Start: 97 @33136 has 235 MA's), (113, 33193), (123, 33226), (125, 33232), (148, 33286), (154, 33298),

Gene: Kratio_58 Start: 40509, Stop: 40757, Start Num: 99
Candidate Starts for Kratio_58:
(Start: 99 @40509 has 32 MA's), (142, 40641), (151, 40671), (172, 40704),

Gene: Krishelle_46 Start: 34658, Stop: 34362, Start Num: 88
Candidate Starts for Krishelle_46:
(Start: 88 @34658 has 36 MA's), (100, 34640), (Start: 102 @34634 has 11 MA's), (142, 34517), (154, 34484), (157, 34478), (185, 34418), (191, 34370),

Gene: Kropertea_30 Start: 27482, Stop: 27745, Start Num: 97
Candidate Starts for Kropertea_30:
(Start: 97 @27482 has 235 MA's), (108, 27527), (154, 27641),

Gene: Krypton555_31 Start: 28682, Stop: 28948, Start Num: 97
Candidate Starts for Krypton555_31:
(67, 28643), (Start: 97 @28682 has 235 MA's), (Start: 102 @28694 has 11 MA's), (108, 28727), (124, 28775),

Gene: Kumao_40 Start: 35332, Stop: 35592, Start Num: 90
Candidate Starts for Kumao_40:
(Start: 90 @35332 has 21 MA's), (96, 35341), (110, 35392), (130, 35440), (141, 35470), (144, 35479), (150, 35500), (151, 35503), (154, 35506),

Gene: Kumotta_57 Start: 33061, Stop: 33339, Start Num: 94
Candidate Starts for Kumotta_57:
(Start: 94 @33061 has 11 MA's), (109, 33109), (146, 33223),

Gene: LadyAstra_41 Start: 26498, Stop: 26785, Start Num: 91
Candidate Starts for LadyAstra_41:
(Start: 91 @26498 has 58 MA's),

Gene: LastNadiia_6 Start: 3336, Stop: 3599, Start Num: 86
Candidate Starts for LastNadiia_6:
(Start: 86 @3336 has 7 MA's), (122, 3429), (160, 3522),

Gene: Laure_112 Start: 79855, Stop: 80103, Start Num: 99
Candidate Starts for Laure_112:
(Start: 99 @79855 has 32 MA's), (100, 79858), (146, 79996), (150, 80008),

Gene: Lea83_68 Start: 44132, Stop: 44374, Start Num: 99
Candidate Starts for Lea83_68:
(Start: 99 @44132 has 32 MA's), (Start: 106 @44165 has 2 MA's), (128, 44222), (147, 44282), (151, 44294),

Gene: LeeroyJenkins_54 Start: 34043, Stop: 34282, Start Num: 99

Candidate Starts for LeeroyJenkins_54:
(Start: 99 @34043 has 32 MA's), (114, 34100), (122, 34127), (125, 34136),

Gene: Lego_33 Start: 24673, Stop: 24915, Start Num: 85
Candidate Starts for Lego_33:
(Start: 85 @24673 has 12 MA's),

Gene: LeoJr_107 Start: 87292, Stop: 87555, Start Num: 97
Candidate Starts for LeoJr_107:
(Start: 97 @87292 has 235 MA's), (163, 87481),

Gene: Leopard_52 Start: 39719, Stop: 39474, Start Num: 97
Candidate Starts for Leopard_52:
(Start: 97 @39719 has 235 MA's), (114, 39659), (122, 39632), (141, 39593), (148, 39569), (150, 39563), (154, 39557), (164, 39533),

Gene: Liebe_36 Start: 26803, Stop: 26994, Start Num: 111
Candidate Starts for Liebe_36:
(Start: 69 @26752 has 2 MA's), (Start: 111 @26803 has 1 MA's), (151, 26911),

Gene: Lifes_48 Start: 30666, Stop: 30905, Start Num: 99
Candidate Starts for Lifes_48:
(37, 30549), (44, 30567), (Start: 99 @30666 has 32 MA's), (114, 30723), (125, 30759),

Gene: LilDestine_32 Start: 28421, Stop: 28687, Start Num: 97
Candidate Starts for LilDestine_32:
(Start: 97 @28421 has 235 MA's), (103, 28445), (108, 28466), (125, 28517), (156, 28583), (186, 28655), (190, 28676),

Gene: LilDirt_59 Start: 40531, Stop: 40779, Start Num: 99
Candidate Starts for LilDirt_59:
(Start: 99 @40531 has 32 MA's), (142, 40663), (151, 40693), (172, 40726),

Gene: Lilac_39 Start: 32632, Stop: 32877, Start Num: 97
Candidate Starts for Lilac_39:
(Start: 97 @32632 has 235 MA's), (113, 32689), (123, 32722), (125, 32728), (148, 32782), (154, 32794),

Gene: Lilizi_39 Start: 32840, Stop: 33085, Start Num: 97
Candidate Starts for Lilizi_39:
(Start: 97 @32840 has 235 MA's), (113, 32897), (123, 32930), (125, 32936), (148, 32990), (154, 33002),

Gene: Lillie_46 Start: 34298, Stop: 34002, Start Num: 88
Candidate Starts for Lillie_46:
(Start: 88 @34298 has 36 MA's), (100, 34280), (Start: 102 @34274 has 11 MA's), (142, 34157), (154, 34124), (157, 34118), (185, 34058), (191, 34010),

Gene: Lilpickle_36 Start: 32342, Stop: 32587, Start Num: 97
Candidate Starts for Lilpickle_36:
(Start: 97 @32342 has 235 MA's), (113, 32399), (123, 32432), (125, 32438), (148, 32492), (154, 32504),

Gene: LilyLou_9 Start: 6368, Stop: 6045, Start Num: 91
Candidate Starts for LilyLou_9:
(Start: 91 @6368 has 58 MA's), (109, 6317), (118, 6272), (124, 6254), (158, 6149), (179, 6098),

Gene: LisoBros_35 Start: 26801, Stop: 27052, Start Num: 97
Candidate Starts for LisoBros_35:
(6, 26342), (49, 26714), (Start: 97 @26801 has 235 MA's), (123, 26891), (146, 26951), (162, 26990), (165, 26999), (170, 27008), (174, 27023), (176, 27032),

Gene: LittleE_56 Start: 43957, Stop: 44196, Start Num: 102
Candidate Starts for LittleE_56:
(Start: 102 @43957 has 11 MA's), (107, 43984), (124, 44038), (125, 44041), (150, 44098), (167, 44134),

Gene: Livelaughbron_38 Start: 33249, Stop: 33494, Start Num: 97
Candidate Starts for Livelaughbron_38:
(Start: 97 @33249 has 235 MA's), (113, 33306), (123, 33339), (125, 33345), (148, 33399), (154, 33411),

Gene: LiyuLake_31 Start: 28737, Stop: 29003, Start Num: 97
Candidate Starts for LiyuLake_31:
(Start: 97 @28737 has 235 MA's), (Start: 102 @28749 has 11 MA's), (108, 28782), (124, 28830),

Gene: Lizalica_32 Start: 24547, Stop: 24813, Start Num: 78
Candidate Starts for Lizalica_32:
(Start: 78 @24547 has 39 MA's), (151, 24730),

Gene: Loadrie_32 Start: 28454, Stop: 28720, Start Num: 97
Candidate Starts for Loadrie_32:
(Start: 97 @28454 has 235 MA's), (108, 28499), (125, 28550), (156, 28616), (186, 28688), (190, 28709),

Gene: Lolly9_31 Start: 28548, Stop: 28814, Start Num: 97
Candidate Starts for Lolly9_31:
(Start: 97 @28548 has 235 MA's), (Start: 102 @28560 has 11 MA's), (108, 28593),

Gene: London_34 Start: 26623, Stop: 26880, Start Num: 78
Candidate Starts for London_34:
(11, 26386), (12, 26395), (Start: 78 @26623 has 39 MA's), (109, 26671), (157, 26788),

Gene: Lozinak_125 Start: 71628, Stop: 71921, Start Num: 80
Candidate Starts for Lozinak_125:
(Start: 80 @71628 has 13 MA's), (Start: 106 @71676 has 2 MA's), (150, 71805),

Gene: Lucky2013_51 Start: 40948, Stop: 41187, Start Num: 102
Candidate Starts for Lucky2013_51:
(Start: 102 @40948 has 11 MA's), (107, 40975), (124, 41029), (125, 41032), (150, 41089), (167, 41125),

Gene: Lumos_31 Start: 28781, Stop: 29047, Start Num: 97
Candidate Starts for Lumos_31:
(Start: 97 @28781 has 235 MA's), (Start: 102 @28793 has 11 MA's), (108, 28826),

Gene: MISSy_36 Start: 32648, Stop: 32893, Start Num: 97
Candidate Starts for MISSy_36:
(Start: 97 @32648 has 235 MA's), (113, 32705), (123, 32738), (125, 32744), (148, 32798), (154, 32810),

Gene: MPhalcon_36 Start: 32641, Stop: 32886, Start Num: 97
Candidate Starts for MPhalcon_36:
(Start: 97 @32641 has 235 MA's), (113, 32698), (123, 32731), (125, 32737), (148, 32791), (154, 32803),

Gene: MaGuCo_34 Start: 25599, Stop: 25841, Start Num: 69
Candidate Starts for MaGuCo_34:
(Start: 69 @25599 has 2 MA's), (Start: 111 @25650 has 1 MA's), (151, 25758),

Gene: Mabodamaca_42 Start: 28268, Stop: 28534, Start Num: 78
Candidate Starts for Mabodamaca_42:
(Start: 78 @28268 has 39 MA's), (109, 28322), (148, 28436),

Gene: MacnCheese_70 Start: 44725, Stop: 44967, Start Num: 99
Candidate Starts for MacnCheese_70:
(Start: 99 @44725 has 32 MA's), (Start: 106 @44758 has 2 MA's), (128, 44815), (151, 44887), (167, 44911),

Gene: MadamMonkfish_37 Start: 32553, Stop: 32798, Start Num: 97
Candidate Starts for MadamMonkfish_37:
(Start: 97 @32553 has 235 MA's), (113, 32610), (123, 32643), (125, 32649), (148, 32703), (154, 32715),

Gene: Makima_4 Start: 2462, Stop: 2728, Start Num: 86
Candidate Starts for Makima_4:
(Start: 86 @2462 has 7 MA's), (146, 2612), (179, 2687),

Gene: Manda_38 Start: 33620, Stop: 33865, Start Num: 97
Candidate Starts for Manda_38:
(Start: 97 @33620 has 235 MA's), (113, 33677), (123, 33710), (125, 33716), (148, 33770), (154, 33782),

Gene: MargaretKali_53 Start: 31679, Stop: 31957, Start Num: 94
Candidate Starts for MargaretKali_53:
(Start: 94 @31679 has 11 MA's), (109, 31727), (146, 31841),

Gene: Marshmallow_37 Start: 33133, Stop: 33378, Start Num: 97
Candidate Starts for Marshmallow_37:
(Start: 97 @33133 has 235 MA's), (113, 33190), (123, 33223), (125, 33229), (148, 33283), (154, 33295),

Gene: MaryV_53 Start: 39346, Stop: 39594, Start Num: 95
Candidate Starts for MaryV_53:
(Start: 95 @39346 has 5 MA's), (120, 39427), (143, 39475), (156, 39508), (157, 39511), (158, 39514), (175, 39547), (187, 39583),

Gene: Maureen_36 Start: 26752, Stop: 26994, Start Num: 69
Candidate Starts for Maureen_36:

(Start: 69 @26752 has 2 MA's), (Start: 111 @26803 has 1 MA's), (151, 26911),

Gene: Maxxinista_38 Start: 32602, Stop: 32847, Start Num: 97
Candidate Starts for Maxxinista_38:
(Start: 97 @32602 has 235 MA's), (113, 32659), (123, 32692), (125, 32698), (148, 32752), (154, 32764),

Gene: Mazun_9 Start: 6131, Stop: 5775, Start Num: 91
Candidate Starts for Mazun_9:
(Start: 91 @6131 has 58 MA's), (Start: 106 @6092 has 2 MA's), (110, 6077), (136, 5981), (174, 5864), (185, 5825),

Gene: Mbo4_60 Start: 42893, Stop: 43174, Start Num: 97
Candidate Starts for Mbo4_60:
(4, 42125), (Start: 97 @42893 has 235 MA's), (Start: 106 @42926 has 2 MA's),

Gene: MiaZeal_51 Start: 40623, Stop: 40862, Start Num: 102
Candidate Starts for MiaZeal_51:
(Start: 102 @40623 has 11 MA's), (107, 40650), (124, 40704), (125, 40707), (150, 40764), (167, 40800),

Gene: MiamiPanther_9 Start: 6219, Stop: 5899, Start Num: 91
Candidate Starts for MiamiPanther_9:
(Start: 91 @6219 has 58 MA's), (109, 6168), (110, 6165), (158, 6000), (185, 5931),

Gene: Miley16_32 Start: 28422, Stop: 28688, Start Num: 97
Candidate Starts for Miley16_32:
(Start: 97 @28422 has 235 MA's), (108, 28467), (125, 28518), (156, 28584), (186, 28656), (190, 28677),

Gene: Mimi_108 Start: 86487, Stop: 86735, Start Num: 97
Candidate Starts for Mimi_108:
(Start: 97 @86487 has 235 MA's), (100, 86493), (Start: 102 @86499 has 11 MA's),

Gene: Mindy_37 Start: 32913, Stop: 33158, Start Num: 97
Candidate Starts for Mindy_37:
(Start: 97 @32913 has 235 MA's), (113, 32970), (123, 33003), (125, 33009), (146, 33057), (148, 33063), (154, 33075),

Gene: Minerva_58 Start: 45548, Stop: 45796, Start Num: 97
Candidate Starts for Minerva_58:
(Start: 97 @45548 has 235 MA's), (144, 45680),

Gene: MiniLon_31 Start: 28548, Stop: 28814, Start Num: 97
Candidate Starts for MiniLon_31:
(Start: 97 @28548 has 235 MA's), (Start: 102 @28560 has 11 MA's), (108, 28593),

Gene: MiniMac_31 Start: 28549, Stop: 28815, Start Num: 97
Candidate Starts for MiniMac_31:
(Start: 97 @28549 has 235 MA's), (Start: 102 @28561 has 11 MA's), (108, 28594),

Gene: MiniMommy_40 Start: 26464, Stop: 26751, Start Num: 91
Candidate Starts for MiniMommy_40:

(Start: 91 @26464 has 58 MA's), (154, 26656),

Gene: Miniwave_37 Start: 33332, Stop: 33577, Start Num: 97
Candidate Starts for Miniwave_37:
(Start: 97 @33332 has 235 MA's), (113, 33389), (123, 33422), (125, 33428), (148, 33482), (154, 33494),

Gene: Mireles_3 Start: 895, Stop: 1137, Start Num: 86
Candidate Starts for Mireles_3:
(Start: 86 @895 has 7 MA's),

Gene: Miryou_64 Start: 45175, Stop: 45423, Start Num: 99
Candidate Starts for Miryou_64:
(Start: 99 @45175 has 32 MA's), (115, 45238),

Gene: Misfit_37 Start: 33222, Stop: 33467, Start Num: 97
Candidate Starts for Misfit_37:
(Start: 97 @33222 has 235 MA's), (113, 33279), (123, 33312), (125, 33318), (148, 33372), (154, 33384),

Gene: Miskis_120 Start: 71060, Stop: 71353, Start Num: 80
Candidate Starts for Miskis_120:
(Start: 80 @71060 has 13 MA's), (Start: 106 @71108 has 2 MA's), (150, 71237),

Gene: MissAmericana_7 Start: 5312, Stop: 5025, Start Num: 94
Candidate Starts for MissAmericana_7:
(Start: 94 @5312 has 11 MA's), (144, 5159), (178, 5072),

Gene: MissSwiss_32 Start: 23153, Stop: 23398, Start Num: 80
Candidate Starts for MissSwiss_32:
(Start: 80 @23153 has 13 MA's), (109, 23198), (151, 23312),

Gene: MkaliMitinis3_32 Start: 28422, Stop: 28688, Start Num: 97
Candidate Starts for MkaliMitinis3_32:
(Start: 97 @28422 has 235 MA's), (108, 28467), (125, 28518), (156, 28584), (186, 28656), (190, 28677),

Gene: Moldemort_38 Start: 32877, Stop: 33122, Start Num: 97
Candidate Starts for Moldemort_38:
(Start: 97 @32877 has 235 MA's), (113, 32934), (123, 32967), (125, 32973), (148, 33027), (154, 33039),

Gene: Moleficent_9 Start: 6125, Stop: 5769, Start Num: 91
Candidate Starts for Moleficent_9:
(Start: 91 @6125 has 58 MA's), (Start: 106 @6086 has 2 MA's), (110, 6071), (136, 5975), (172, 5867), (174, 5858), (185, 5819),

Gene: MollyToe_37 Start: 33306, Stop: 33551, Start Num: 97
Candidate Starts for MollyToe_37:
(Start: 97 @33306 has 235 MA's), (113, 33363), (123, 33396), (125, 33402), (148, 33456), (154, 33468),

Gene: Mollymur_85 Start: 58104, Stop: 57838, Start Num: 74

Candidate Starts for Mollymur_85:
(Start: 74 @58104 has 6 MA's), (146, 57939), (151, 57924), (173, 57873),

Gene: MontyDev_40 Start: 36039, Stop: 36284, Start Num: 90
Candidate Starts for MontyDev_40:
(62, 35997), (Start: 90 @36039 has 21 MA's), (Start: 102 @36060 has 11 MA's), (Start: 106 @36081 has 2 MA's), (113, 36105), (114, 36108), (156, 36207), (157, 36210), (158, 36213), (182, 36264),

Gene: Morrill_9 Start: 6080, Stop: 5724, Start Num: 91
Candidate Starts for Morrill_9:
(Start: 91 @6080 has 58 MA's), (Start: 106 @6041 has 2 MA's), (110, 6026), (174, 5813), (185, 5774),

Gene: Mosby_36 Start: 32639, Stop: 32884, Start Num: 97
Candidate Starts for Mosby_36:
(Start: 97 @32639 has 235 MA's), (113, 32696), (123, 32729), (125, 32735), (146, 32783), (148, 32789), (154, 32801),

Gene: Moss_31 Start: 22585, Stop: 22851, Start Num: 87
Candidate Starts for Moss_31:
(Start: 87 @22585 has 16 MA's), (Start: 99 @22600 has 32 MA's), (116, 22663), (169, 22783),

Gene: MsGreen_31 Start: 28784, Stop: 29050, Start Num: 97
Candidate Starts for MsGreen_31:
(Start: 97 @28784 has 235 MA's), (Start: 102 @28796 has 11 MA's), (108, 28829),

Gene: Mudpuppy_32 Start: 24535, Stop: 24777, Start Num: 85
Candidate Starts for Mudpuppy_32:
(11, 24277), (16, 24313), (Start: 85 @24535 has 12 MA's), (151, 24694),

Gene: Murica_36 Start: 33119, Stop: 33364, Start Num: 97
Candidate Starts for Murica_36:
(Start: 97 @33119 has 235 MA's), (113, 33176), (123, 33209), (125, 33215), (148, 33269), (154, 33281),

Gene: Murphy_38 Start: 33114, Stop: 33359, Start Num: 97
Candidate Starts for Murphy_38:
(Start: 97 @33114 has 235 MA's), (113, 33171), (123, 33204), (125, 33210), (148, 33264), (154, 33276),

Gene: Music_39 Start: 33258, Stop: 33593, Start Num: 71
Candidate Starts for Music_39:
(Start: 71 @33258 has 2 MA's), (Start: 84 @33273 has 3 MA's), (152, 33486), (153, 33489), (181, 33564),

Gene: Myrale_37 Start: 32998, Stop: 33243, Start Num: 97
Candidate Starts for Myrale_37:
(Start: 97 @32998 has 235 MA's), (113, 33055), (123, 33088), (125, 33094), (148, 33148), (154, 33160),

Gene: Myrna_77 Start: 30774, Stop: 31019, Start Num: 97
Candidate Starts for Myrna_77:
(Start: 97 @30774 has 235 MA's), (141, 30900),

Gene: Mysterium_31 Start: 22590, Stop: 22856, Start Num: 87
Candidate Starts for Mysterium_31:
(Start: 87 @22590 has 16 MA's), (Start: 99 @22605 has 32 MA's), (116, 22668), (169, 22788),

Gene: Naiad_45 Start: 34311, Stop: 34015, Start Num: 88
Candidate Starts for Naiad_45:
(Start: 88 @34311 has 36 MA's), (100, 34293), (Start: 102 @34287 has 11 MA's), (142, 34170), (154, 34137), (157, 34131), (185, 34071), (191, 34023),

Gene: Nala_37 Start: 33153, Stop: 33398, Start Num: 97
Candidate Starts for Nala_37:
(Start: 97 @33153 has 235 MA's), (113, 33210), (123, 33243), (125, 33249), (148, 33303), (154, 33315),

Gene: Nancinator_46 Start: 34231, Stop: 33935, Start Num: 88
Candidate Starts for Nancinator_46:
(Start: 88 @34231 has 36 MA's), (100, 34213), (Start: 102 @34207 has 11 MA's), (142, 34090), (154, 34057), (157, 34051), (185, 33991), (191, 33943),

Gene: Natosaleda_45 Start: 34230, Stop: 33934, Start Num: 88
Candidate Starts for Natosaleda_45:
(Start: 88 @34230 has 36 MA's), (100, 34212), (Start: 102 @34206 has 11 MA's), (142, 34089), (154, 34056), (157, 34050), (185, 33990), (191, 33942),

Gene: Nekros_50 Start: 43030, Stop: 43269, Start Num: 102
Candidate Starts for Nekros_50:
(Start: 102 @43030 has 11 MA's), (107, 43057), (124, 43111), (125, 43114), (150, 43171), (167, 43207),

Gene: NelitzaMV_37 Start: 33203, Stop: 33448, Start Num: 97
Candidate Starts for NelitzaMV_37:
(Start: 97 @33203 has 235 MA's), (113, 33260), (123, 33293), (125, 33299), (148, 33353), (154, 33365),

Gene: Netyap_32 Start: 28422, Stop: 28688, Start Num: 97
Candidate Starts for Netyap_32:
(Start: 97 @28422 has 235 MA's), (108, 28467), (125, 28518), (156, 28584), (186, 28656), (190, 28677),

Gene: Neuvillette_3 Start: 977, Stop: 1246, Start Num: 91
Candidate Starts for Neuvillette_3:
(Start: 91 @977 has 58 MA's),

Gene: Nibley_46 Start: 39034, Stop: 39279, Start Num: 97
Candidate Starts for Nibley_46:
(Start: 97 @39034 has 235 MA's), (114, 39097), (124, 39127), (125, 39130), (151, 39190), (154, 39193), (156, 39196),

Gene: Nicholas_31 Start: 28784, Stop: 29050, Start Num: 97
Candidate Starts for Nicholas_31:
(Start: 97 @28784 has 235 MA's), (Start: 102 @28796 has 11 MA's), (108, 28829),

Gene: Nicholasp3_32 Start: 28424, Stop: 28690, Start Num: 97

Candidate Starts for Nicholasp3_32:
(Start: 97 @28424 has 235 MA's), (108, 28469), (125, 28520), (156, 28586), (186, 28658), (190, 28679),

Gene: NihilNomen_51 Start: 44218, Stop: 44466, Start Num: 97
Candidate Starts for NihilNomen_51:
(Start: 97 @44218 has 235 MA's), (144, 44350),

Gene: Nilo_41 Start: 36395, Stop: 36640, Start Num: 90
Candidate Starts for Nilo_41:
(62, 36353), (Start: 90 @36395 has 21 MA's), (Start: 102 @36416 has 11 MA's), (Start: 106 @36437 has 2 MA's), (114, 36464), (156, 36563), (157, 36566), (158, 36569), (182, 36620),

Gene: Nimrod_37 Start: 33377, Stop: 33622, Start Num: 97
Candidate Starts for Nimrod_37:
(Start: 97 @33377 has 235 MA's), (113, 33434), (123, 33467), (125, 33473), (148, 33527), (154, 33539),

Gene: Niobe_34 Start: 26608, Stop: 26865, Start Num: 78
Candidate Starts for Niobe_34:
(11, 26371), (12, 26380), (Start: 78 @26608 has 39 MA's), (109, 26656), (157, 26773),

Gene: Nitro_33 Start: 25923, Stop: 26186, Start Num: 78
Candidate Starts for Nitro_33:
(Start: 78 @25923 has 39 MA's), (151, 26103),

Gene: NoSleep_38 Start: 32874, Stop: 33119, Start Num: 97
Candidate Starts for NoSleep_38:
(Start: 97 @32874 has 235 MA's), (113, 32931), (123, 32964), (125, 32970), (148, 33024), (154, 33036),

Gene: NonchalantPear_37 Start: 32827, Stop: 33072, Start Num: 97
Candidate Starts for NonchalantPear_37:
(Start: 97 @32827 has 235 MA's), (113, 32884), (123, 32917), (125, 32923), (148, 32977), (154, 32989),

Gene: Norvs_124 Start: 71047, Stop: 71340, Start Num: 80
Candidate Starts for Norvs_124:
(Start: 80 @71047 has 13 MA's), (Start: 106 @71095 has 2 MA's), (150, 71224),

Gene: Oatly_9 Start: 6310, Stop: 5987, Start Num: 91
Candidate Starts for Oatly_9:
(19, 6478), (26, 6460), (33, 6427), (Start: 91 @6310 has 58 MA's), (109, 6259), (114, 6244), (124, 6196), (159, 6088), (179, 6040), (185, 6022),

Gene: ObiToo_36 Start: 25276, Stop: 25518, Start Num: 85
Candidate Starts for ObiToo_36:
(11, 25018), (16, 25054), (Start: 85 @25276 has 12 MA's),

Gene: Odette_52 Start: 43439, Stop: 43684, Start Num: 97
Candidate Starts for Odette_52:
(Start: 97 @43439 has 235 MA's), (114, 43502), (124, 43532), (125, 43535), (151, 43595), (154, 43598), (156, 43601),

Gene: OkiRoe_61 Start: 42847, Stop: 43095, Start Num: 99
Candidate Starts for OkiRoe_61:
(Start: 99 @42847 has 32 MA's), (115, 42910),

Gene: Omega_56 Start: 45262, Stop: 45501, Start Num: 102
Candidate Starts for Omega_56:
(Start: 102 @45262 has 11 MA's), (107, 45289), (124, 45343), (125, 45346), (150, 45403), (167, 45439),

Gene: OneUp_110 Start: 69312, Stop: 69614, Start Num: 72
Candidate Starts for OneUp_110:
(Start: 72 @69312 has 2 MA's), (Start: 82 @69324 has 6 MA's), (148, 69492),

Gene: Onyinye_53 Start: 39601, Stop: 39356, Start Num: 97
Candidate Starts for Onyinye_53:
(Start: 97 @39601 has 235 MA's), (114, 39541), (122, 39514), (141, 39475), (148, 39451), (150, 39445), (154, 39439), (164, 39415),

Gene: Optimus_57 Start: 45133, Stop: 45381, Start Num: 97
Candidate Starts for Optimus_57:
(Start: 97 @45133 has 235 MA's), (144, 45265),

Gene: Origami_41 Start: 26498, Stop: 26785, Start Num: 91
Candidate Starts for Origami_41:
(Start: 91 @26498 has 58 MA's),

Gene: OrionPax_38 Start: 32880, Stop: 33125, Start Num: 97
Candidate Starts for OrionPax_38:
(Start: 97 @32880 has 235 MA's), (113, 32937), (123, 32970), (125, 32976), (148, 33030), (154, 33042),

Gene: Orkz_49 Start: 32713, Stop: 32997, Start Num: 97
Candidate Starts for Orkz_49:
(10, 32434), (Start: 84 @32695 has 3 MA's), (Start: 97 @32713 has 235 MA's), (125, 32821), (163, 32926), (177, 32956),

Gene: Pabst_9 Start: 6171, Stop: 5848, Start Num: 91
Candidate Starts for Pabst_9:
(Start: 58 @6219 has 1 MA's), (Start: 91 @6171 has 58 MA's), (Start: 106 @6132 has 2 MA's), (109, 6120), (159, 5949), (172, 5916), (185, 5883), (189, 5865),

Gene: PaddyBaddy_38 Start: 32890, Stop: 33135, Start Num: 97
Candidate Starts for PaddyBaddy_38:
(Start: 97 @32890 has 235 MA's), (113, 32947), (123, 32980), (125, 32986), (148, 33040), (154, 33052),

Gene: Palpatine_37 Start: 33149, Stop: 33394, Start Num: 97
Candidate Starts for Palpatine_37:
(Start: 97 @33149 has 235 MA's), (113, 33206), (123, 33239), (125, 33245), (148, 33299), (154, 33311),

Gene: Panchaali_99 Start: 83918, Stop: 84178, Start Num: 97

Candidate Starts for Panchaali_99:
(Start: 97 @83918 has 235 MA's), (178, 84137),

Gene: PandaPo_32 Start: 23156, Stop: 23401, Start Num: 80
Candidate Starts for PandaPo_32:
(Start: 80 @23156 has 13 MA's), (109, 23201), (151, 23315),

Gene: Paperbeatsrock_39 Start: 34115, Stop: 34360, Start Num: 97
Candidate Starts for Paperbeatsrock_39:
(Start: 97 @34115 has 235 MA's), (113, 34172), (123, 34205), (125, 34211), (148, 34265), (154, 34277),

Gene: Papyrus_40 Start: 36054, Stop: 36299, Start Num: 90
Candidate Starts for Papyrus_40:
(62, 36012), (Start: 90 @36054 has 21 MA's), (Start: 102 @36075 has 11 MA's), (Start: 106 @36096 has 2 MA's), (113, 36120), (114, 36123), (156, 36222), (157, 36225), (158, 36228),

Gene: Partridge_45 Start: 34587, Stop: 34291, Start Num: 88
Candidate Starts for Partridge_45:
(Start: 88 @34587 has 36 MA's), (Start: 102 @34563 has 11 MA's), (141, 34449), (142, 34446), (154, 34413), (157, 34407), (185, 34347), (191, 34299),

Gene: Pat3_36 Start: 31861, Stop: 32106, Start Num: 97
Candidate Starts for Pat3_36:
(Start: 97 @31861 has 235 MA's), (113, 31918), (123, 31951), (125, 31957), (146, 32005), (148, 32011), (154, 32023),

Gene: Patbob_107 Start: 87222, Stop: 87470, Start Num: 97
Candidate Starts for Patbob_107:
(Start: 97 @87222 has 235 MA's), (100, 87228), (Start: 102 @87234 has 11 MA's),

Gene: PauloDiaboli_218 Start: 116530, Stop: 116276, Start Num: 97
Candidate Starts for PauloDiaboli_218:
(Start: 97 @116530 has 235 MA's), (133, 116416), (146, 116389),

Gene: PauloDiaboli_20 Start: 7036, Stop: 7266, Start Num: 99
Candidate Starts for PauloDiaboli_20:
(Start: 99 @7036 has 32 MA's), (117, 7108), (131, 7150), (161, 7237), (169, 7255),

Gene: PauloDiaboli_375 Start: 183665, Stop: 183895, Start Num: 99
Candidate Starts for PauloDiaboli_375:
(Start: 99 @183665 has 32 MA's), (117, 183737), (131, 183779), (161, 183866), (169, 183884),

Gene: Percival_43 Start: 28266, Stop: 28523, Start Num: 78
Candidate Starts for Percival_43:
(25, 28155), (26, 28158), (Start: 78 @28266 has 39 MA's), (109, 28320), (153, 28446), (159, 28458), (163, 28470),

Gene: Petra64142_39 Start: 33595, Stop: 33840, Start Num: 97
Candidate Starts for Petra64142_39:
(Start: 97 @33595 has 235 MA's), (113, 33652), (123, 33685), (125, 33691), (148, 33745), (154, 33757),

Gene: Phabba_83 Start: 30849, Stop: 31100, Start Num: 97
Candidate Starts for Phabba_83:
(Start: 97 @30849 has 235 MA's), (109, 30894), (141, 30975),

Gene: PhailMary_45 Start: 34620, Stop: 34324, Start Num: 88
Candidate Starts for PhailMary_45:
(Start: 88 @34620 has 36 MA's), (100, 34602), (Start: 102 @34596 has 11 MA's), (114, 34548), (142, 34479), (154, 34446), (157, 34440), (185, 34380), (191, 34332),

Gene: Pharb_67 Start: 43448, Stop: 43690, Start Num: 99
Candidate Starts for Pharb_67:
(Start: 99 @43448 has 32 MA's), (Start: 106 @43481 has 2 MA's), (128, 43538), (151, 43610),

Gene: Pharky_9 Start: 6092, Stop: 5736, Start Num: 91
Candidate Starts for Pharky_9:
(Start: 91 @6092 has 58 MA's), (Start: 106 @6053 has 2 MA's), (110, 6038), (132, 5951), (136, 5942), (172, 5834), (174, 5825), (185, 5786),

Gene: Pharsalus_38 Start: 33915, Stop: 34160, Start Num: 97
Candidate Starts for Pharsalus_38:
(Start: 97 @33915 has 235 MA's), (113, 33972), (123, 34005), (125, 34011), (148, 34065), (154, 34077),

Gene: PhatBacter_37 Start: 33163, Stop: 33408, Start Num: 97
Candidate Starts for PhatBacter_37:
(Start: 97 @33163 has 235 MA's), (113, 33220), (123, 33253), (125, 33259), (148, 33313), (154, 33325),

Gene: Phaux_36 Start: 33161, Stop: 33406, Start Num: 97
Candidate Starts for Phaux_36:
(Start: 97 @33161 has 235 MA's), (113, 33218), (123, 33251), (125, 33257), (148, 33311), (154, 33323),

Gene: Phedro_9 Start: 6092, Stop: 5736, Start Num: 91
Candidate Starts for Phedro_9:
(Start: 91 @6092 has 58 MA's), (Start: 106 @6053 has 2 MA's), (110, 6038), (132, 5951), (136, 5942), (172, 5834), (174, 5825), (185, 5786),

Gene: PhinkBoden_125 Start: 71915, Stop: 72205, Start Num: 82
Candidate Starts for PhinkBoden_125:
(36, 71807), (40, 71822), (56, 71867), (Start: 82 @71915 has 6 MA's), (Start: 106 @71960 has 2 MA's), (150, 72089),

Gene: Phives_35 Start: 26643, Stop: 26906, Start Num: 78
Candidate Starts for Phives_35:
(11, 26406), (12, 26415), (Start: 78 @26643 has 39 MA's),

Gene: Phoebus_51 Start: 44419, Stop: 44667, Start Num: 97
Candidate Starts for Phoebus_51:
(Start: 97 @44419 has 235 MA's), (144, 44551),

Gene: Phogo_9 Start: 6365, Stop: 6045, Start Num: 91
Candidate Starts for Phogo_9:

(43, 6455), (Start: 91 @6365 has 58 MA's), (109, 6314), (114, 6299), (124, 6251), (172, 6110),

Gene: Phractured_9 Start: 6092, Stop: 5736, Start Num: 91
Candidate Starts for Phractured_9:
(Start: 91 @6092 has 58 MA's), (Start: 106 @6053 has 2 MA's), (110, 6038), (132, 5951), (136, 5942), (172, 5834), (174, 5825), (185, 5786),

Gene: Phrampa_101 Start: 88629, Stop: 88877, Start Num: 97
Candidate Starts for Phrampa_101:
(Start: 97 @88629 has 235 MA's), (100, 88635), (Start: 102 @88641 has 11 MA's), (146, 88773),

Gene: Phrankenstein_46 Start: 34244, Stop: 33948, Start Num: 88
Candidate Starts for Phrankenstein_46:
(Start: 88 @34244 has 36 MA's), (100, 34226), (Start: 102 @34220 has 11 MA's), (142, 34103), (154, 34070), (157, 34064), (185, 34004), (191, 33956),

Gene: PhriedRice_9 Start: 6092, Stop: 5736, Start Num: 91
Candidate Starts for PhriedRice_9:
(Start: 91 @6092 has 58 MA's), (Start: 106 @6053 has 2 MA's), (110, 6038), (136, 5942), (172, 5834), (174, 5825), (185, 5786),

Gene: Phrux_37 Start: 32876, Stop: 33121, Start Num: 97
Candidate Starts for Phrux_37:
(Start: 97 @32876 has 235 MA's), (113, 32933), (123, 32966), (125, 32972), (148, 33026), (154, 33038),

Gene: PineapplePluto_10 Start: 6454, Stop: 6131, Start Num: 91
Candidate Starts for PineapplePluto_10:
(19, 6622), (33, 6571), (Start: 91 @6454 has 58 MA's), (109, 6403), (114, 6388), (124, 6340), (159, 6232), (179, 6184), (185, 6166),

Gene: Pippin15_52 Start: 34099, Stop: 34347, Start Num: 94
Candidate Starts for Pippin15_52:
(Start: 94 @34099 has 11 MA's), (Start: 102 @34114 has 11 MA's), (125, 34198), (150, 34258), (151, 34261), (154, 34267), (184, 34336),

Gene: Pitbull_58 Start: 33370, Stop: 33633, Start Num: 92
Candidate Starts for Pitbull_58:
(52, 33298), (Start: 92 @33370 has 3 MA's), (148, 33526), (150, 33532), (154, 33541), (179, 33598),

Gene: Pixelle_33 Start: 26398, Stop: 26640, Start Num: 85
Candidate Starts for Pixelle_33:
(Start: 85 @26398 has 12 MA's),

Gene: Pixie_67 Start: 43623, Stop: 43865, Start Num: 99
Candidate Starts for Pixie_67:
(Start: 99 @43623 has 32 MA's), (Start: 106 @43656 has 2 MA's), (128, 43713), (137, 43740), (147, 43773), (151, 43785),

Gene: Policronamos_37 Start: 33161, Stop: 33406, Start Num: 97
Candidate Starts for Policronamos_37:
(Start: 97 @33161 has 235 MA's), (113, 33218), (123, 33251), (125, 33257), (148, 33311), (154, 33323),

Gene: Porcelain_50 Start: 40623, Stop: 40862, Start Num: 102
Candidate Starts for Porcelain_50:
(Start: 102 @40623 has 11 MA's), (107, 40650), (124, 40704), (125, 40707), (150, 40764), (167, 40800),

Gene: Porky_37 Start: 32972, Stop: 33217, Start Num: 97
Candidate Starts for Porky_37:
(Start: 97 @32972 has 235 MA's), (113, 33029), (123, 33062), (125, 33068), (148, 33122), (154, 33134),

Gene: Pound_54 Start: 45996, Stop: 46244, Start Num: 97
Candidate Starts for Pound_54:
(Start: 97 @45996 has 235 MA's), (144, 46128),

Gene: Powerpuff_35 Start: 25868, Stop: 26110, Start Num: 85
Candidate Starts for Powerpuff_35:
(Start: 85 @25868 has 12 MA's), (151, 26027),

Gene: Ptowny_38 Start: 32517, Stop: 32762, Start Num: 97
Candidate Starts for Ptowny_38:
(Start: 97 @32517 has 235 MA's), (113, 32574), (123, 32607), (125, 32613), (148, 32667), (154, 32679),

Gene: Pumpernickel_201 Start: 115898, Stop: 115641, Start Num: 97
Candidate Starts for Pumpernickel_201:
(Start: 97 @115898 has 235 MA's), (146, 115754), (151, 115739),

Gene: Pumpkin_39 Start: 33212, Stop: 33457, Start Num: 97
Candidate Starts for Pumpkin_39:
(Start: 97 @33212 has 235 MA's), (113, 33269), (123, 33302), (125, 33308), (148, 33362), (154, 33374),

Gene: Pumpkins_33 Start: 25496, Stop: 25762, Start Num: 78
Candidate Starts for Pumpkins_33:
(Start: 78 @25496 has 39 MA's), (151, 25679),

Gene: Pupper_77 Start: 28936, Stop: 29202, Start Num: 86
Candidate Starts for Pupper_77:
(Start: 86 @28936 has 7 MA's), (108, 28984), (154, 29104), (179, 29164),

Gene: Quallification_38 Start: 33341, Stop: 33586, Start Num: 97
Candidate Starts for Quallification_38:
(Start: 97 @33341 has 235 MA's), (113, 33398), (123, 33431), (125, 33437), (148, 33491), (154, 33503),

Gene: RER2_39 Start: 31170, Stop: 30874, Start Num: 88
Candidate Starts for RER2_39:
(Start: 88 @31170 has 36 MA's), (100, 31152), (Start: 102 @31146 has 11 MA's), (142, 31029), (154, 30996), (157, 30990), (185, 30930), (191, 30882),

Gene: RGL3_40 Start: 32103, Stop: 31804, Start Num: 88
Candidate Starts for RGL3_40:

(27, 32253), (Start: 88 @32103 has 36 MA's), (100, 32085), (101, 32082), (141, 31965), (151, 31932), (154, 31929),

Gene: Racecar_109 Start: 87140, Stop: 87388, Start Num: 97
Candidate Starts for Racecar_109:
(Start: 97 @87140 has 235 MA's), (100, 87146), (Start: 102 @87152 has 11 MA's),

Gene: Rakim_38 Start: 33241, Stop: 33486, Start Num: 97
Candidate Starts for Rakim_38:
(Start: 97 @33241 has 235 MA's), (113, 33298), (123, 33331), (125, 33337), (148, 33391), (154, 33403),

Gene: Rasputin_46 Start: 34268, Stop: 33972, Start Num: 88
Candidate Starts for Rasputin_46:
(Start: 88 @34268 has 36 MA's), (100, 34250), (Start: 102 @34244 has 11 MA's), (142, 34127), (154, 34094), (157, 34088), (185, 34028), (191, 33980),

Gene: Rearden_46 Start: 40216, Stop: 40461, Start Num: 97
Candidate Starts for Rearden_46:
(Start: 97 @40216 has 235 MA's), (Start: 102 @40228 has 11 MA's), (144, 40348),

Gene: Redno2_50 Start: 41183, Stop: 41428, Start Num: 97
Candidate Starts for Redno2_50:
(Start: 97 @41183 has 235 MA's), (114, 41246), (124, 41276), (125, 41279), (151, 41339), (154, 41342), (156, 41345),

Gene: Reedo_32 Start: 23099, Stop: 23341, Start Num: 85
Candidate Starts for Reedo_32:
(9, 22766), (13, 22862), (15, 22871), (21, 22946), (Start: 85 @23099 has 12 MA's),

Gene: ReginaGlobina_107 Start: 86858, Stop: 87121, Start Num: 97
Candidate Starts for ReginaGlobina_107:
(Start: 97 @86858 has 235 MA's), (163, 87047),

Gene: RexFury_45 Start: 34329, Stop: 34033, Start Num: 88
Candidate Starts for RexFury_45:
(Start: 88 @34329 has 36 MA's), (100, 34311), (Start: 102 @34305 has 11 MA's), (142, 34188), (154, 34155), (157, 34149), (185, 34089), (191, 34041),

Gene: Rhodalysa_46 Start: 34298, Stop: 34002, Start Num: 88
Candidate Starts for Rhodalysa_46:
(Start: 88 @34298 has 36 MA's), (100, 34280), (Start: 102 @34274 has 11 MA's), (142, 34157), (154, 34124), (157, 34118), (185, 34058), (191, 34010),

Gene: RicoCaldo_9 Start: 6122, Stop: 5766, Start Num: 91
Candidate Starts for RicoCaldo_9:
(Start: 91 @6122 has 58 MA's), (Start: 106 @6083 has 2 MA's), (110, 6068), (136, 5972), (149, 5930), (172, 5864), (174, 5855), (185, 5816),

Gene: Rimmer_36 Start: 32701, Stop: 32946, Start Num: 97
Candidate Starts for Rimmer_36:
(Start: 97 @32701 has 235 MA's), (113, 32758), (123, 32791), (125, 32797), (148, 32851), (154, 32863),

Gene: Riparian_40 Start: 35856, Stop: 36101, Start Num: 90
Candidate Starts for Riparian_40:
(62, 35814), (Start: 90 @35856 has 21 MA's), (Start: 102 @35877 has 11 MA's), (Start: 106 @35898 has 2 MA's), (113, 35922), (114, 35925), (156, 36024), (157, 36027), (158, 36030),

Gene: RiverMonster_37 Start: 32890, Stop: 33135, Start Num: 97
Candidate Starts for RiverMonster_37:
(Start: 97 @32890 has 235 MA's), (113, 32947), (123, 32980), (125, 32986), (148, 33040), (154, 33052),

Gene: Roberts_3 Start: 977, Stop: 1246, Start Num: 91
Candidate Starts for Roberts_3:
(Start: 91 @977 has 58 MA's),

Gene: RockScotty_31 Start: 22561, Stop: 22827, Start Num: 87
Candidate Starts for RockScotty_31:
(Start: 87 @22561 has 16 MA's), (Start: 99 @22576 has 32 MA's), (116, 22639), (121, 22657), (169, 22759),

Gene: Rockabye_113 Start: 80343, Stop: 80585, Start Num: 97
Candidate Starts for Rockabye_113:
(63, 80295), (Start: 97 @80343 has 235 MA's), (123, 80433), (151, 80502),

Gene: Rope_40 Start: 36036, Stop: 36281, Start Num: 90
Candidate Starts for Rope_40:
(62, 35994), (Start: 90 @36036 has 21 MA's), (Start: 102 @36057 has 11 MA's), (Start: 106 @36078 has 2 MA's), (113, 36102), (114, 36105), (156, 36204), (157, 36207), (158, 36210),

Gene: RoseMarie_41 Start: 35246, Stop: 35443, Start Num: 114
Candidate Starts for RoseMarie_41:
(34, 35054), (83, 35165), (96, 35183), (109, 35231), (114, 35246), (128, 35276), (150, 35342), (156, 35351),

Gene: SCentae_76 Start: 28691, Stop: 28957, Start Num: 86
Candidate Starts for SCentae_76:
(Start: 86 @28691 has 7 MA's), (108, 28739), (154, 28859), (179, 28919),

Gene: SJReid_112 Start: 79391, Stop: 79633, Start Num: 97
Candidate Starts for SJReid_112:
(Start: 97 @79391 has 235 MA's), (146, 79535),

Gene: Sabourin_31 Start: 22493, Stop: 22759, Start Num: 87
Candidate Starts for Sabourin_31:
(Start: 87 @22493 has 16 MA's), (Start: 94 @22502 has 11 MA's), (Start: 99 @22508 has 32 MA's), (116, 22571),

Gene: Saints25_38 Start: 32793, Stop: 33038, Start Num: 97
Candidate Starts for Saints25_38:
(Start: 97 @32793 has 235 MA's), (113, 32850), (123, 32883), (125, 32889), (148, 32943), (154, 32955),

Gene: Salvatore2000_9 Start: 6219, Stop: 5899, Start Num: 91

Candidate Starts for Salvatore2000_9:
(Start: 91 @6219 has 58 MA's), (Start: 106 @6180 has 2 MA's), (109, 6168), (110, 6165), (158, 6000), (185, 5931),

Gene: Samty_31 Start: 28787, Stop: 29053, Start Num: 97
Candidate Starts for Samty_31:
(Start: 97 @28787 has 235 MA's), (Start: 102 @28799 has 11 MA's), (108, 28832),

Gene: Sassay_36 Start: 32639, Stop: 32884, Start Num: 97
Candidate Starts for Sassay_36:
(Start: 97 @32639 has 235 MA's), (113, 32696), (123, 32729), (125, 32735), (148, 32789), (154, 32801),

Gene: Schaffner_33 Start: 25723, Stop: 25989, Start Num: 78
Candidate Starts for Schaffner_33:
(11, 25465), (16, 25501), (Start: 78 @25723 has 39 MA's), (151, 25906),

Gene: Schatzie_49 Start: 43187, Stop: 43432, Start Num: 97
Candidate Starts for Schatzie_49:
(Start: 97 @43187 has 235 MA's), (114, 43250), (124, 43280), (125, 43283), (151, 43343), (154, 43346), (156, 43349),

Gene: Schmidt_57 Start: 36601, Stop: 36840, Start Num: 93
Candidate Starts for Schmidt_57:
(34, 36481), (Start: 93 @36601 has 8 MA's), (109, 36643), (114, 36658), (121, 36682), (125, 36694), (151, 36763), (156, 36772), (183, 36832),

Gene: ScoobyDoobyDoo_73 Start: 26882, Stop: 27106, Start Num: 99
Candidate Starts for ScoobyDoobyDoo_73:
(Start: 99 @26882 has 32 MA's), (112, 26933), (142, 27005), (147, 27023), (149, 27029), (151, 27035), (172, 27071),

Gene: Send513_40 Start: 36392, Stop: 36637, Start Num: 90
Candidate Starts for Send513_40:
(62, 36350), (Start: 90 @36392 has 21 MA's), (Start: 102 @36413 has 11 MA's), (Start: 106 @36434 has 2 MA's), (114, 36461), (156, 36560), (157, 36563), (158, 36566), (182, 36617),

Gene: Serenabean_52 Start: 34263, Stop: 34496, Start Num: 89
Candidate Starts for Serenabean_52:
(Start: 89 @34263 has 4 MA's), (114, 34326), (141, 34398),

Gene: ShakeItOph_39 Start: 26463, Stop: 26750, Start Num: 91
Candidate Starts for ShakeItOph_39:
(Start: 91 @26463 has 58 MA's), (154, 26655),

Gene: ShamWow_37 Start: 33135, Stop: 33380, Start Num: 97
Candidate Starts for ShamWow_37:
(Start: 97 @33135 has 235 MA's), (113, 33192), (123, 33225), (125, 33231), (148, 33285), (154, 33297),

Gene: ShedlockHolmes_69 Start: 44136, Stop: 44378, Start Num: 99
Candidate Starts for ShedlockHolmes_69:

(Start: 99 @44136 has 32 MA's), (Start: 106 @44169 has 2 MA's), (128, 44226), (147, 44286), (151, 44298),

Gene: Shuman_46 Start: 34243, Stop: 33947, Start Num: 88
Candidate Starts for Shuman_46:
(Start: 88 @34243 has 36 MA's), (100, 34225), (Start: 102 @34219 has 11 MA's), (142, 34102), (154, 34069), (157, 34063), (185, 34003), (191, 33955),

Gene: Shweta_51 Start: 35498, Stop: 35743, Start Num: 92
Candidate Starts for Shweta_51:
(Start: 92 @35498 has 3 MA's), (100, 35510), (Start: 102 @35516 has 11 MA's), (118, 35582), (140, 35627), (151, 35657),

Gene: ShyRosie_9 Start: 6089, Stop: 5751, Start Num: 91
Candidate Starts for ShyRosie_9:
(37, 6161), (Start: 91 @6089 has 58 MA's), (Start: 106 @6050 has 2 MA's), (123, 5978), (136, 5939), (186, 5798),

Gene: Simpliphy_38 Start: 32880, Stop: 33125, Start Num: 97
Candidate Starts for Simpliphy_38:
(Start: 97 @32880 has 235 MA's), (113, 32937), (123, 32970), (125, 32976), (148, 33030), (154, 33042),

Gene: Simpson_35 Start: 24755, Stop: 25021, Start Num: 78
Candidate Starts for Simpson_35:
(11, 24497), (Start: 78 @24755 has 39 MA's), (151, 24938),

Gene: SirDuracell_36 Start: 31800, Stop: 32045, Start Num: 97
Candidate Starts for SirDuracell_36:
(Start: 97 @31800 has 235 MA's), (113, 31857), (123, 31890), (125, 31896), (146, 31944), (148, 31950), (154, 31962),

Gene: Skelbel_35 Start: 26608, Stop: 26865, Start Num: 78
Candidate Starts for Skelbel_35:
(11, 26371), (12, 26380), (Start: 78 @26608 has 39 MA's), (109, 26656), (157, 26773),

Gene: Skog_140 Start: 57999, Stop: 58271, Start Num: 86
Candidate Starts for Skog_140:
(Start: 86 @57999 has 7 MA's), (108, 58047), (120, 58080), (154, 58167),

Gene: Smoothie_126 Start: 71628, Stop: 71921, Start Num: 80
Candidate Starts for Smoothie_126:
(Start: 80 @71628 has 13 MA's), (Start: 106 @71676 has 2 MA's), (150, 71805),

Gene: Snek_33 Start: 23631, Stop: 23897, Start Num: 78
Candidate Starts for Snek_33:
(13, 23421), (15, 23430), (Start: 78 @23631 has 39 MA's), (151, 23814),

Gene: Snenia_31 Start: 28785, Stop: 29051, Start Num: 97
Candidate Starts for Snenia_31:
(Start: 97 @28785 has 235 MA's), (Start: 102 @28797 has 11 MA's), (108, 28830),

Gene: SoilSleuth_9 Start: 6089, Stop: 5751, Start Num: 91

Candidate Starts for SoilSleuth_9:
(37, 6161), (41, 6146), (Start: 91 @6089 has 58 MA's), (Start: 106 @6050 has 2 MA's), (123, 5978), (136, 5939), (186, 5798),

Gene: Soondubu_31 Start: 26525, Stop: 26788, Start Num: 97
Candidate Starts for Soondubu_31:
(Start: 97 @26525 has 235 MA's), (165, 26723), (176, 26756),

Gene: Sooty_31 Start: 22496, Stop: 22762, Start Num: 87
Candidate Starts for Sooty_31:
(Start: 87 @22496 has 16 MA's), (Start: 94 @22505 has 11 MA's), (Start: 99 @22511 has 32 MA's), (116, 22574),

Gene: SophKB_37 Start: 33134, Stop: 33379, Start Num: 97
Candidate Starts for SophKB_37:
(Start: 97 @33134 has 235 MA's), (113, 33191), (123, 33224), (125, 33230), (148, 33284), (154, 33296),

Gene: Sorvannah_9 Start: 6219, Stop: 5899, Start Num: 91
Candidate Starts for Sorvannah_9:
(Start: 91 @6219 has 58 MA's), (Start: 106 @6180 has 2 MA's), (109, 6168), (110, 6165), (158, 6000), (185, 5931),

Gene: Sotrice96_37 Start: 33089, Stop: 33334, Start Num: 97
Candidate Starts for Sotrice96_37:
(Start: 97 @33089 has 235 MA's), (113, 33146), (123, 33179), (125, 33185), (148, 33239), (154, 33251),

Gene: SpecialK_31 Start: 22493, Stop: 22759, Start Num: 87
Candidate Starts for SpecialK_31:
(Start: 87 @22493 has 16 MA's), (Start: 99 @22508 has 32 MA's), (116, 22571), (169, 22691),

Gene: SpeedDemon_860 Start: 59302, Stop: 59036, Start Num: 74
Candidate Starts for SpeedDemon_860:
(Start: 74 @59302 has 6 MA's), (105, 59254),

Gene: Splinter_63 Start: 40094, Stop: 40318, Start Num: 90
Candidate Starts for Splinter_63:
(Start: 90 @40094 has 21 MA's), (109, 40136), (123, 40181), (126, 40190), (151, 40241), (156, 40250),

Gene: StCroix_45 Start: 34311, Stop: 34015, Start Num: 88
Candidate Starts for StCroix_45:
(Start: 88 @34311 has 36 MA's), (100, 34293), (Start: 102 @34287 has 11 MA's), (142, 34170), (154, 34137), (157, 34131), (185, 34071), (191, 34023),

Gene: StagePhright_9 Start: 6092, Stop: 5736, Start Num: 91
Candidate Starts for StagePhright_9:
(Start: 91 @6092 has 58 MA's), (Start: 106 @6053 has 2 MA's), (110, 6038), (132, 5951), (136, 5942), (172, 5834), (174, 5825), (185, 5786),

Gene: Stank_40 Start: 33641, Stop: 33886, Start Num: 97
Candidate Starts for Stank_40:

(Start: 97 @33641 has 235 MA's), (113, 33698), (123, 33731), (125, 33737), (148, 33791), (154, 33803),

Gene: Stark_38 Start: 32893, Stop: 33138, Start Num: 97
Candidate Starts for Stark_38:
(Start: 97 @32893 has 235 MA's), (113, 32950), (123, 32983), (125, 32989), (148, 33043), (154, 33055),

Gene: StellaBean_37 Start: 33134, Stop: 33379, Start Num: 97
Candidate Starts for StellaBean_37:
(Start: 97 @33134 has 235 MA's), (113, 33191), (123, 33224), (125, 33230), (148, 33284), (154, 33296),

Gene: Stellammi_36 Start: 29438, Stop: 29665, Start Num: 98
Candidate Starts for Stellammi_36:
(32, 29303), (47, 29342), (53, 29360), (61, 29381), (73, 29405), (Start: 82 @29417 has 6 MA's), (Start: 98 @29438 has 1 MA's), (114, 29495), (125, 29531), (150, 29591),

Gene: Stewart25555_99 Start: 83664, Stop: 83927, Start Num: 97
Candidate Starts for Stewart25555_99:
(Start: 97 @83664 has 235 MA's), (114, 83724), (163, 83853), (179, 83886),

Gene: StolenFromERC_39 Start: 33125, Stop: 33370, Start Num: 97
Candidate Starts for StolenFromERC_39:
(Start: 97 @33125 has 235 MA's), (113, 33182), (123, 33215), (125, 33221), (148, 33275), (154, 33287),

Gene: StormChicken_37 Start: 33309, Stop: 33554, Start Num: 97
Candidate Starts for StormChicken_37:
(Start: 97 @33309 has 235 MA's), (113, 33366), (123, 33399), (125, 33405), (148, 33459), (154, 33471),

Gene: Stormbreaker_9 Start: 6347, Stop: 6027, Start Num: 91
Candidate Starts for Stormbreaker_9:
(31, 6467), (43, 6437), (Start: 91 @6347 has 58 MA's), (109, 6296), (114, 6281), (124, 6233), (172, 6092),

Gene: Stuck_67 Start: 45156, Stop: 45389, Start Num: 100
Candidate Starts for Stuck_67:
(Start: 92 @45144 has 3 MA's), (100, 45156), (Start: 102 @45162 has 11 MA's), (118, 45228), (140, 45273), (151, 45303),

Gene: Studio_2 Start: 600, Stop: 863, Start Num: 91
Candidate Starts for Studio_2:
(Start: 91 @600 has 58 MA's),

Gene: Stuu_31 Start: 22587, Stop: 22853, Start Num: 87
Candidate Starts for Stuu_31:
(Start: 87 @22587 has 16 MA's), (Start: 99 @22602 has 32 MA's), (116, 22665), (169, 22785),

Gene: SuMoo_44 Start: 27844, Stop: 28113, Start Num: 78
Candidate Starts for SuMoo_44:

(17, 27691), (25, 27730), (26, 27733), (Start: 78 @27844 has 39 MA's), (109, 27898), (118, 27931), (148, 28012), (164, 28057),

Gene: Subaru_35 Start: 26623, Stop: 26880, Start Num: 78
Candidate Starts for Subaru_35:
(11, 26386), (12, 26395), (Start: 78 @26623 has 39 MA's), (109, 26671), (157, 26788),

Gene: Sue2_34 Start: 25374, Stop: 25640, Start Num: 78
Candidate Starts for Sue2_34:
(13, 25137), (15, 25146), (21, 25221), (Start: 78 @25374 has 39 MA's), (151, 25557), (182, 25614),

Gene: SunnyJune_47 Start: 33718, Stop: 34011, Start Num: 84
Candidate Starts for SunnyJune_47:
(51, 33658), (Start: 84 @33718 has 3 MA's), (Start: 106 @33769 has 2 MA's), (110, 33784), (125, 33832), (146, 33886), (150, 33898), (153, 33907), (184, 33991),

Gene: SuperHands_41 Start: 28766, Stop: 29023, Start Num: 78
Candidate Starts for SuperHands_41:
(Start: 78 @28766 has 39 MA's), (109, 28820), (153, 28946), (159, 28958), (163, 28970),

Gene: Superphikiman_51 Start: 40814, Stop: 41053, Start Num: 102
Candidate Starts for Superphikiman_51:
(Start: 102 @40814 has 11 MA's), (107, 40841), (124, 40895), (125, 40898), (150, 40955), (167, 40991),

Gene: Swann_46 Start: 34296, Stop: 34000, Start Num: 88
Candidate Starts for Swann_46:
(Start: 88 @34296 has 36 MA's), (100, 34278), (Start: 102 @34272 has 11 MA's), (142, 34155), (154, 34122), (157, 34116), (185, 34056), (191, 34008),

Gene: Sweetclover_51 Start: 33033, Stop: 33266, Start Num: 89
Candidate Starts for Sweetclover_51:
(30, 32928), (Start: 89 @33033 has 4 MA's), (114, 33096), (141, 33168),

Gene: SwissCheezer_9 Start: 6356, Stop: 6036, Start Num: 91
Candidate Starts for SwissCheezer_9:
(43, 6446), (Start: 91 @6356 has 58 MA's), (109, 6305), (114, 6290), (124, 6242), (172, 6101),

Gene: TBond007_64 Start: 43622, Stop: 43864, Start Num: 99
Candidate Starts for TBond007_64:
(Start: 99 @43622 has 32 MA's), (Start: 106 @43655 has 2 MA's), (128, 43712), (137, 43739), (147, 43772), (151, 43784),

Gene: TBrady12_39 Start: 33125, Stop: 33370, Start Num: 97
Candidate Starts for TBrady12_39:
(Start: 97 @33125 has 235 MA's), (113, 33182), (123, 33215), (125, 33221), (148, 33275), (154, 33287),

Gene: TMaxx_3 Start: 937, Stop: 1194, Start Num: 97
Candidate Starts for TMaxx_3:
(44, 838), (48, 850), (Start: 97 @937 has 235 MA's),

Gene: TWAMP_46 Start: 34298, Stop: 34002, Start Num: 88

Candidate Starts for TWAMP_46:
(Start: 88 @34298 has 36 MA's), (100, 34280), (Start: 102 @34274 has 11 MA's), (142, 34157), (154, 34124), (157, 34118), (185, 34058), (191, 34010),

Gene: TZGordon_64 Start: 38982, Stop: 39206, Start Num: 90
Candidate Starts for TZGordon_64:
(Start: 90 @38982 has 21 MA's), (109, 39024), (123, 39069), (126, 39078), (151, 39129), (156, 39138),

Gene: Tailonex_48 Start: 37705, Stop: 37427, Start Num: 76
Candidate Starts for Tailonex_48:
(76, 37705), (113, 37630), (164, 37504),

Gene: Takoda_46 Start: 34472, Stop: 34176, Start Num: 88
Candidate Starts for Takoda_46:
(Start: 88 @34472 has 36 MA's), (100, 34454), (Start: 102 @34448 has 11 MA's), (142, 34331), (154, 34298), (157, 34292), (185, 34232), (191, 34184),

Gene: Talia1610_108 Start: 86506, Stop: 86754, Start Num: 97
Candidate Starts for Talia1610_108:
(Start: 97 @86506 has 235 MA's), (100, 86512), (Start: 102 @86518 has 11 MA's),

Gene: Tallboi_33 Start: 25971, Stop: 26237, Start Num: 75
Candidate Starts for Tallboi_33:
(11, 25716), (16, 25752), (Start: 75 @25971 has 6 MA's), (151, 26154),

Gene: Tarkin_39 Start: 34124, Stop: 34369, Start Num: 97
Candidate Starts for Tarkin_39:
(Start: 97 @34124 has 235 MA's), (113, 34181), (123, 34214), (125, 34220), (148, 34274), (154, 34286),

Gene: Tbone_32 Start: 24550, Stop: 24816, Start Num: 78
Candidate Starts for Tbone_32:
(11, 24292), (16, 24328), (Start: 78 @24550 has 39 MA's), (151, 24733),

Gene: TeamEdward_37 Start: 33306, Stop: 33551, Start Num: 97
Candidate Starts for TeamEdward_37:
(Start: 97 @33306 has 235 MA's), (113, 33363), (123, 33396), (125, 33402), (148, 33456), (154, 33468),

Gene: TeardropMSU_36 Start: 33035, Stop: 33280, Start Num: 97
Candidate Starts for TeardropMSU_36:
(Start: 97 @33035 has 235 MA's), (113, 33092), (123, 33125), (125, 33131), (148, 33185), (154, 33197),

Gene: Teaspoon_38 Start: 33088, Stop: 33333, Start Num: 97
Candidate Starts for Teaspoon_38:
(Start: 97 @33088 has 235 MA's), (113, 33145), (123, 33178), (125, 33184), (148, 33238), (154, 33250),

Gene: Terminus_37 Start: 33222, Stop: 33467, Start Num: 97
Candidate Starts for Terminus_37:
(Start: 97 @33222 has 235 MA's), (113, 33279), (123, 33312), (125, 33318), (148, 33372), (154, 33384),

Gene: TforTroy_34 Start: 25368, Stop: 25634, Start Num: 78
Candidate Starts for TforTroy_34:
(Start: 78 @25368 has 39 MA's), (151, 25551),

Gene: Thibault_45 Start: 41387, Stop: 41626, Start Num: 102
Candidate Starts for Thibault_45:
(Start: 102 @41387 has 11 MA's), (107, 41414), (124, 41468), (125, 41471), (150, 41528), (167, 41564),

Gene: Thimble_37 Start: 32085, Stop: 32330, Start Num: 97
Candidate Starts for Thimble_37:
(Start: 97 @32085 has 235 MA's), (113, 32142), (123, 32175), (125, 32181), (148, 32235), (154, 32247),

Gene: ThirteenKH_9 Start: 6080, Stop: 5724, Start Num: 91
Candidate Starts for ThirteenKH_9:
(Start: 91 @6080 has 58 MA's), (Start: 106 @6041 has 2 MA's), (110, 6026), (136, 5930), (174, 5813), (185, 5774),

Gene: Thonko_81 Start: 61339, Stop: 61569, Start Num: 102
Candidate Starts for Thonko_81:
(45, 61228), (79, 61303), (Start: 102 @61339 has 11 MA's), (154, 61489),

Gene: ThreeRngTarjay_50 Start: 44296, Stop: 44541, Start Num: 97
Candidate Starts for ThreeRngTarjay_50:
(Start: 97 @44296 has 235 MA's), (114, 44359), (124, 44389), (125, 44392), (151, 44452), (154, 44455), (156, 44458),

Gene: Thresher_38 Start: 33889, Stop: 34134, Start Num: 97
Candidate Starts for Thresher_38:
(Start: 97 @33889 has 235 MA's), (113, 33946), (123, 33979), (125, 33985), (148, 34039), (154, 34051),

Gene: ThursdayNight_37 Start: 26453, Stop: 26713, Start Num: 66
Candidate Starts for ThursdayNight_37:
(14, 26240), (16, 26249), (66, 26453), (151, 26624),

Gene: Tian_33 Start: 26378, Stop: 26620, Start Num: 85
Candidate Starts for Tian_33:
(Start: 85 @26378 has 12 MA's),

Gene: TicTac_9 Start: 6319, Stop: 5996, Start Num: 91
Candidate Starts for TicTac_9:
(19, 6487), (33, 6436), (Start: 91 @6319 has 58 MA's), (109, 6268), (114, 6253), (124, 6205), (159, 6097), (179, 6049), (185, 6031),

Gene: TinaLin_62 Start: 38825, Stop: 39049, Start Num: 90
Candidate Starts for TinaLin_62:
(Start: 90 @38825 has 21 MA's), (109, 38867), (123, 38912), (126, 38921), (151, 38972), (156, 38981), (164, 39002),

Gene: TinyTimothy_9 Start: 6219, Stop: 5899, Start Num: 91

Candidate Starts for TinyTimothy_9:
(Start: 91 @6219 has 58 MA's), (Start: 106 @6180 has 2 MA's), (109, 6168), (158, 6000), (185, 5931),

Gene: Tomaszewski_36 Start: 32732, Stop: 32977, Start Num: 97
Candidate Starts for Tomaszewski_36:
(Start: 97 @32732 has 235 MA's), (113, 32789), (123, 32822), (125, 32828), (146, 32876), (148, 32882), (154, 32894),

Gene: Toniann_125 Start: 71160, Stop: 71450, Start Num: 82
Candidate Starts for Toniann_125:
(36, 71052), (40, 71067), (56, 71112), (Start: 82 @71160 has 6 MA's), (Start: 106 @71205 has 2 MA's), (150, 71334),

Gene: Toto_37 Start: 33135, Stop: 33380, Start Num: 97
Candidate Starts for Toto_37:
(Start: 97 @33135 has 235 MA's), (113, 33192), (123, 33225), (125, 33231), (148, 33285), (154, 33297),

Gene: Towmatter_75 Start: 53043, Stop: 52786, Start Num: 74
Candidate Starts for Towmatter_75:
(50, 53094), (56, 53079), (59, 53070), (61, 53067), (Start: 74 @53043 has 6 MA's), (151, 52872),

Gene: Traaww1_35 Start: 32773, Stop: 33018, Start Num: 97
Candidate Starts for Traaww1_35:
(Start: 97 @32773 has 235 MA's), (113, 32830), (123, 32863), (125, 32869), (148, 32923), (154, 32935),

Gene: TriFive_31 Start: 28784, Stop: 29050, Start Num: 97
Candidate Starts for TriFive_31:
(Start: 97 @28784 has 235 MA's), (Start: 102 @28796 has 11 MA's), (108, 28829),

Gene: TribleTrouble_68 Start: 44625, Stop: 44867, Start Num: 99
Candidate Starts for TribleTrouble_68:
(Start: 99 @44625 has 32 MA's), (Start: 106 @44658 has 2 MA's), (128, 44715), (151, 44787),

Gene: TripleC_6 Start: 4398, Stop: 4658, Start Num: 93
Candidate Starts for TripleC_6:
(Start: 93 @4398 has 8 MA's), (Start: 99 @4404 has 32 MA's), (122, 4488), (178, 4617),

Gene: TrippleS_9 Start: 6080, Stop: 5724, Start Num: 91
Candidate Starts for TrippleS_9:
(Start: 91 @6080 has 58 MA's), (Start: 106 @6041 has 2 MA's), (110, 6026), (136, 5930), (174, 5813), (185, 5774),

Gene: Truong_9 Start: 6089, Stop: 5751, Start Num: 91
Candidate Starts for Truong_9:
(37, 6161), (Start: 91 @6089 has 58 MA's), (Start: 106 @6050 has 2 MA's), (123, 5978), (136, 5939), (186, 5798),

Gene: Tuck_36 Start: 27187, Stop: 27453, Start Num: 78
Candidate Starts for Tuck_36:
(11, 26950), (12, 26959), (Start: 78 @27187 has 39 MA's),

Gene: Tuco_38 Start: 33643, Stop: 33888, Start Num: 97
Candidate Starts for Tuco_38:
(Start: 97 @33643 has 235 MA's), (113, 33700), (123, 33733), (125, 33739), (148, 33793), (154, 33805),

Gene: Turab_32 Start: 24438, Stop: 24704, Start Num: 75
Candidate Starts for Turab_32:
(5, 23982), (11, 24183), (16, 24219), (Start: 75 @24438 has 6 MA's), (151, 24621),

Gene: Tutumahutu_33 Start: 24722, Stop: 24988, Start Num: 78
Candidate Starts for Tutumahutu_33:
(11, 24464), (16, 24500), (Start: 78 @24722 has 39 MA's), (151, 24905),

Gene: Tweety19_33 Start: 23630, Stop: 23896, Start Num: 78
Candidate Starts for Tweety19_33:
(13, 23420), (15, 23429), (Start: 78 @23630 has 39 MA's), (151, 23813),

Gene: UhSalsa_46 Start: 34231, Stop: 33935, Start Num: 88
Candidate Starts for UhSalsa_46:
(Start: 88 @34231 has 36 MA's), (100, 34213), (Start: 102 @34207 has 11 MA's), (142, 34090), (154, 34057), (157, 34051), (185, 33991), (191, 33943),

Gene: Ukulele_37 Start: 32893, Stop: 33138, Start Num: 97
Candidate Starts for Ukulele_37:
(Start: 97 @32893 has 235 MA's), (113, 32950), (123, 32983), (125, 32989), (148, 33043), (154, 33055),

Gene: Underpass_32 Start: 28424, Stop: 28690, Start Num: 97
Candidate Starts for Underpass_32:
(Start: 97 @28424 has 235 MA's), (108, 28469), (125, 28520), (156, 28586), (186, 28658), (190, 28679),

Gene: Unphazed_9 Start: 6368, Stop: 6045, Start Num: 91
Candidate Starts for Unphazed_9:
(Start: 91 @6368 has 58 MA's), (109, 6317), (118, 6272), (124, 6254), (158, 6149), (179, 6098),

Gene: UtzChips_41 Start: 26893, Stop: 27153, Start Num: 78
Candidate Starts for UtzChips_41:
(23, 26767), (Start: 78 @26893 has 39 MA's),

Gene: VResidence_33 Start: 24693, Stop: 24935, Start Num: 80
Candidate Starts for VResidence_33:
(Start: 80 @24693 has 13 MA's), (112, 24747), (157, 24855),

Gene: Vendetta_63 Start: 40094, Stop: 40318, Start Num: 90
Candidate Starts for Vendetta_63:
(Start: 90 @40094 has 21 MA's), (109, 40136), (123, 40181), (126, 40190), (151, 40241), (156, 40250),

Gene: Vetrix_32 Start: 28428, Stop: 28694, Start Num: 97
Candidate Starts for Vetrix_32:
(Start: 97 @28428 has 235 MA's), (108, 28473), (125, 28524), (156, 28590), (186, 28662), (190, 28683),

Gene: Vibaki_39 Start: 33279, Stop: 33614, Start Num: 71
Candidate Starts for Vibaki_39:
(Start: 71 @33279 has 2 MA's), (Start: 84 @33294 has 3 MA's), (152, 33507), (153, 33510), (181, 33585),

Gene: Vitus_40 Start: 32270, Stop: 32614, Start Num: 71
Candidate Starts for Vitus_40:
(8, 31940), (Start: 71 @32270 has 2 MA's), (Start: 84 @32285 has 3 MA's), (110, 32351), (119, 32381), (130, 32438), (148, 32492), (152, 32504), (181, 32582),

Gene: ViviJ_59 Start: 40530, Stop: 40778, Start Num: 99
Candidate Starts for ViviJ_59:
(Start: 99 @40530 has 32 MA's), (142, 40662), (151, 40692), (172, 40725),

Gene: VroomVroom_39 Start: 26557, Stop: 26892, Start Num: 91
Candidate Starts for VroomVroom_39:
(Start: 91 @26557 has 58 MA's), (154, 26749),

Gene: WaddleDee_95 Start: 82115, Stop: 82375, Start Num: 97
Candidate Starts for WaddleDee_95:
(Start: 97 @82115 has 235 MA's), (163, 82304), (178, 82334), (179, 82337),

Gene: Wanda_58 Start: 44007, Stop: 44255, Start Num: 97
Candidate Starts for Wanda_58:
(Start: 97 @44007 has 235 MA's), (144, 44139),

Gene: Warda_33 Start: 24726, Stop: 24992, Start Num: 78
Candidate Starts for Warda_33:
(11, 24468), (16, 24504), (Start: 78 @24726 has 39 MA's), (151, 24909),

Gene: WaterT_52 Start: 33281, Stop: 33520, Start Num: 99
Candidate Starts for WaterT_52:
(Start: 99 @33281 has 32 MA's), (114, 33338), (122, 33365), (125, 33374),

Gene: Waterlily_9 Start: 6089, Stop: 5751, Start Num: 91
Candidate Starts for Waterlily_9:
(37, 6161), (Start: 91 @6089 has 58 MA's), (Start: 106 @6050 has 2 MA's), (123, 5978), (136, 5939), (149, 5897), (186, 5798),

Gene: Weiss13_40 Start: 36088, Stop: 36333, Start Num: 90
Candidate Starts for Weiss13_40:
(62, 36046), (Start: 90 @36088 has 21 MA's), (Start: 102 @36109 has 11 MA's), (Start: 106 @36130 has 2 MA's), (113, 36154), (114, 36157), (156, 36256), (157, 36259), (158, 36262),

Gene: Wesak_9 Start: 6219, Stop: 5899, Start Num: 91
Candidate Starts for Wesak_9:
(Start: 91 @6219 has 58 MA's), (Start: 106 @6180 has 2 MA's), (109, 6168), (110, 6165), (158, 6000), (185, 5931),

Gene: Whirlwind_32 Start: 28525, Stop: 28791, Start Num: 97
Candidate Starts for Whirlwind_32:
(67, 28486), (Start: 97 @28525 has 235 MA's), (Start: 102 @28537 has 11 MA's), (108, 28570), (124, 28618),

Gene: Wiggin_40 Start: 33639, Stop: 33884, Start Num: 97
Candidate Starts for Wiggin_40:
(Start: 97 @33639 has 235 MA's), (113, 33696), (123, 33729), (125, 33735), (148, 33789), (154, 33801),

Gene: Wigglewiggle_32 Start: 28454, Stop: 28720, Start Num: 97
Candidate Starts for Wigglewiggle_32:
(Start: 97 @28454 has 235 MA's), (108, 28499), (125, 28550), (156, 28616), (186, 28688), (190, 28709),

Gene: Wildcat_53 Start: 39356, Stop: 39604, Start Num: 95
Candidate Starts for Wildcat_53:
(Start: 95 @39356 has 5 MA's), (120, 39437), (143, 39485), (156, 39518), (157, 39521), (158, 39524), (175, 39557), (187, 39593),

Gene: Wilder_32 Start: 28427, Stop: 28693, Start Num: 97
Candidate Starts for Wilder_32:
(Start: 97 @28427 has 235 MA's), (108, 28472), (125, 28523), (156, 28589), (186, 28661), (190, 28682),

Gene: Wildwest_33 Start: 24524, Stop: 24790, Start Num: 78
Candidate Starts for Wildwest_33:
(11, 24266), (16, 24302), (Start: 78 @24524 has 39 MA's), (151, 24707),

Gene: Willez_36 Start: 32639, Stop: 32884, Start Num: 97
Candidate Starts for Willez_36:
(Start: 97 @32639 has 235 MA's), (113, 32696), (123, 32729), (125, 32735), (148, 32789), (154, 32801),

Gene: WilliamBoone_123 Start: 68402, Stop: 68692, Start Num: 82
Candidate Starts for WilliamBoone_123:
(49, 68330), (Start: 82 @68402 has 6 MA's), (150, 68576), (152, 68582),

Gene: Winky_32 Start: 28422, Stop: 28688, Start Num: 97
Candidate Starts for Winky_32:
(Start: 97 @28422 has 235 MA's), (108, 28467), (125, 28518), (156, 28584), (186, 28656), (190, 28677),

Gene: Xandras_39 Start: 33125, Stop: 33370, Start Num: 97
Candidate Starts for Xandras_39:
(Start: 97 @33125 has 235 MA's), (113, 33182), (123, 33215), (125, 33221), (148, 33275), (154, 33287),

Gene: Xiaokay_47 Start: 41033, Stop: 41281, Start Num: 97
Candidate Starts for Xiaokay_47:
(Start: 97 @41033 has 235 MA's), (107, 41072), (124, 41126), (125, 41129), (150, 41186), (167, 41222), (186, 41270),

Gene: Xitlalli_9 Start: 6353, Stop: 6033, Start Num: 91
Candidate Starts for Xitlalli_9:
(43, 6443), (Start: 91 @6353 has 58 MA's), (109, 6302), (114, 6287), (124, 6239), (172, 6098),

Gene: Yafa_9 Start: 6095, Stop: 5739, Start Num: 91
Candidate Starts for Yafa_9:
(Start: 91 @6095 has 58 MA's), (Start: 106 @6056 has 2 MA's), (110, 6041), (136, 5945), (174, 5828), (185, 5789),

Gene: Yang_33 Start: 24867, Stop: 25133, Start Num: 78
Candidate Starts for Yang_33:
(11, 24609), (16, 24645), (Start: 78 @24867 has 39 MA's), (151, 25050),

Gene: Yappy_50 Start: 13369, Stop: 13620, Start Num: 68
Candidate Starts for Yappy_50:
(Start: 68 @13369 has 1 MA's), (Start: 93 @13402 has 8 MA's), (Start: 102 @13414 has 11 MA's), (109, 13447), (118, 13480),

Gene: YassJohnny_38 Start: 33650, Stop: 33895, Start Num: 97
Candidate Starts for YassJohnny_38:
(Start: 97 @33650 has 235 MA's), (113, 33707), (123, 33740), (125, 33746), (148, 33800), (154, 33812),

Gene: Yeet_50 Start: 43428, Stop: 43673, Start Num: 97
Candidate Starts for Yeet_50:
(Start: 97 @43428 has 235 MA's), (114, 43491), (124, 43521), (125, 43524), (151, 43584), (154, 43587), (156, 43590),

Gene: YellowPanda_9 Start: 6219, Stop: 5899, Start Num: 91
Candidate Starts for YellowPanda_9:
(Start: 91 @6219 has 58 MA's), (Start: 106 @6180 has 2 MA's), (109, 6168), (110, 6165), (158, 6000), (185, 5931),

Gene: Yelo_40 Start: 36381, Stop: 36626, Start Num: 90
Candidate Starts for Yelo_40:
(62, 36339), (Start: 90 @36381 has 21 MA's), (Start: 102 @36402 has 11 MA's), (Start: 106 @36423 has 2 MA's), (114, 36450), (156, 36549), (157, 36552), (158, 36555), (182, 36606),

Gene: YesChef_33 Start: 24727, Stop: 24969, Start Num: 85
Candidate Starts for YesChef_33:
(Start: 85 @24727 has 12 MA's), (151, 24886),

Gene: Yogi_45 Start: 34272, Stop: 33976, Start Num: 88
Candidate Starts for Yogi_45:
(Start: 88 @34272 has 36 MA's), (100, 34254), (Start: 102 @34248 has 11 MA's), (142, 34131), (154, 34098), (157, 34092), (185, 34032), (191, 33984),

Gene: Yoncess_45 Start: 34052, Stop: 33756, Start Num: 88
Candidate Starts for Yoncess_45:
(Start: 88 @34052 has 36 MA's), (100, 34034), (Start: 102 @34028 has 11 MA's), (142, 33911), (154, 33878), (157, 33872), (185, 33812), (191, 33764),

Gene: Yotsuba_51 Start: 37228, Stop: 37476, Start Num: 94
Candidate Starts for Yotsuba_51:
(Start: 94 @37228 has 11 MA's), (125, 37327), (129, 37333), (150, 37387), (151, 37390), (154, 37396), (184, 37465),

Gene: Youngblood_37 Start: 33295, Stop: 33540, Start Num: 97
Candidate Starts for Youngblood_37:
(Start: 97 @33295 has 235 MA's), (113, 33352), (123, 33385), (125, 33391), (146, 33439), (148, 33445), (154, 33457),

Gene: Yvonnetastic_129 Start: 73454, Stop: 73753, Start Num: 80
Candidate Starts for Yvonnetastic_129:
(Start: 80 @73454 has 13 MA's), (109, 73514), (122, 73556), (125, 73565), (141, 73601), (150, 73631),

Gene: Zakai_32 Start: 28678, Stop: 28944, Start Num: 97
Candidate Starts for Zakai_32:
(Start: 97 @28678 has 235 MA's), (108, 28723), (156, 28840), (190, 28933),

Gene: Zelink_53 Start: 45222, Stop: 45467, Start Num: 97
Candidate Starts for Zelink_53:
(Start: 97 @45222 has 235 MA's), (114, 45285), (124, 45315), (125, 45318), (151, 45378), (154, 45381), (156, 45384),

Gene: Zenon_41 Start: 36400, Stop: 36645, Start Num: 90
Candidate Starts for Zenon_41:
(62, 36358), (Start: 90 @36400 has 21 MA's), (Start: 102 @36421 has 11 MA's), (Start: 106 @36442 has 2 MA's), (114, 36469), (156, 36568), (157, 36571), (158, 36574), (182, 36625),

Gene: Zeta1847_35 Start: 25236, Stop: 25493, Start Num: 92
Candidate Starts for Zeta1847_35:
(1, 24102), (2, 24135), (3, 24270), (26, 25080), (Start: 92 @25236 has 3 MA's), (Start: 106 @25275 has 2 MA's),

Gene: Zhengyi_9 Start: 6127, Stop: 5798, Start Num: 91
Candidate Starts for Zhengyi_9:
(Start: 91 @6127 has 58 MA's), (109, 6073), (136, 5974), (158, 5905), (167, 5881), (185, 5836),

Gene: Zooman_185 Start: 110949, Stop: 110695, Start Num: 97
Candidate Starts for Zooman_185:
(64, 110997), (Start: 97 @110949 has 235 MA's),

Gene: Zooman_18 Start: 8314, Stop: 8547, Start Num: 97
Candidate Starts for Zooman_18:
(Start: 97 @8314 has 235 MA's), (117, 8389), (169, 8536),

Gene: Zooman_331 Start: 183965, Stop: 184198, Start Num: 97
Candidate Starts for Zooman_331:
(Start: 97 @183965 has 235 MA's), (117, 184040), (169, 184187),

Gene: xkcd_38 Start: 33304, Stop: 33549, Start Num: 97
Candidate Starts for xkcd_38:
(Start: 97 @33304 has 235 MA's), (113, 33361), (123, 33394), (125, 33400), (148, 33454), (154, 33466),