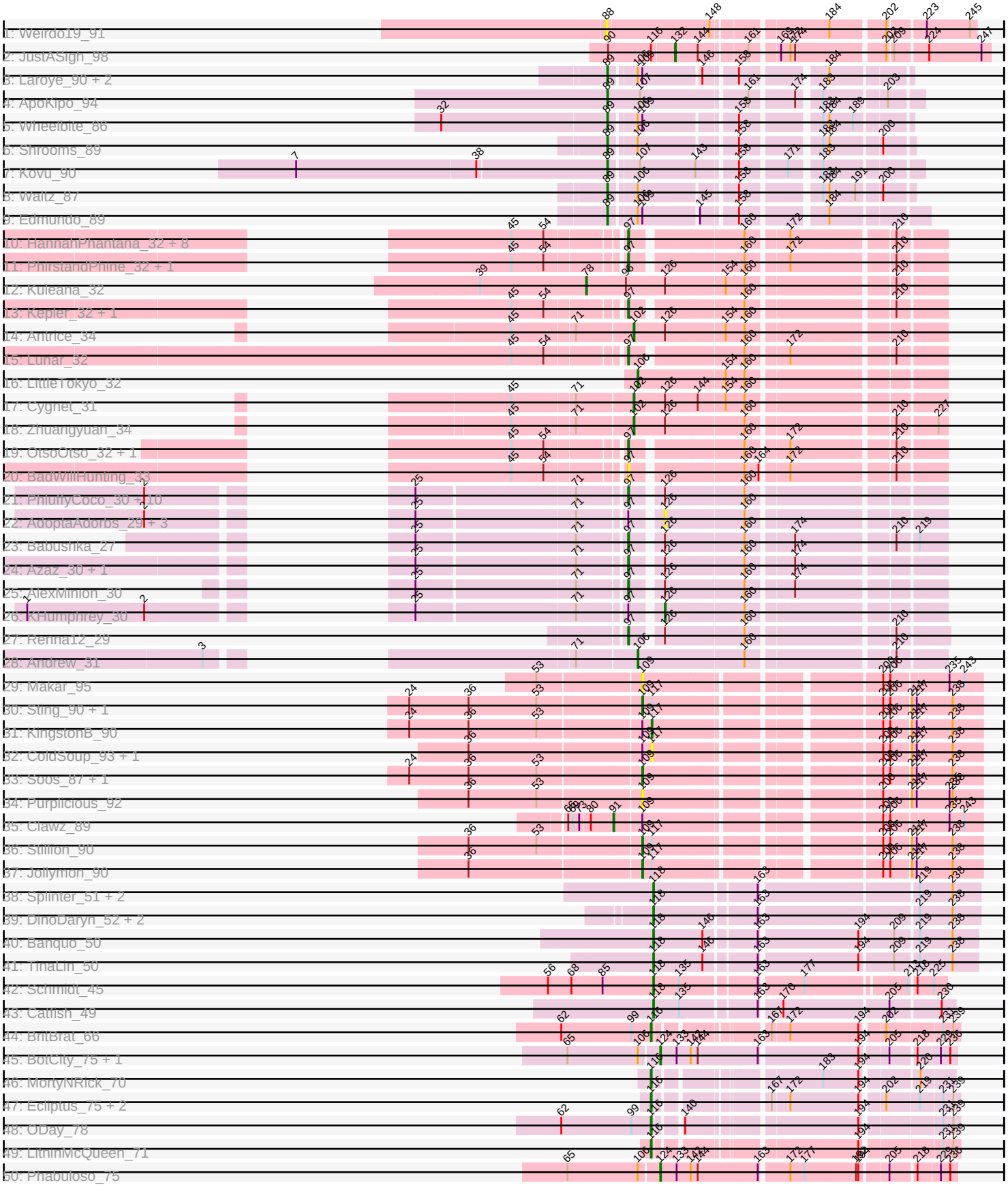
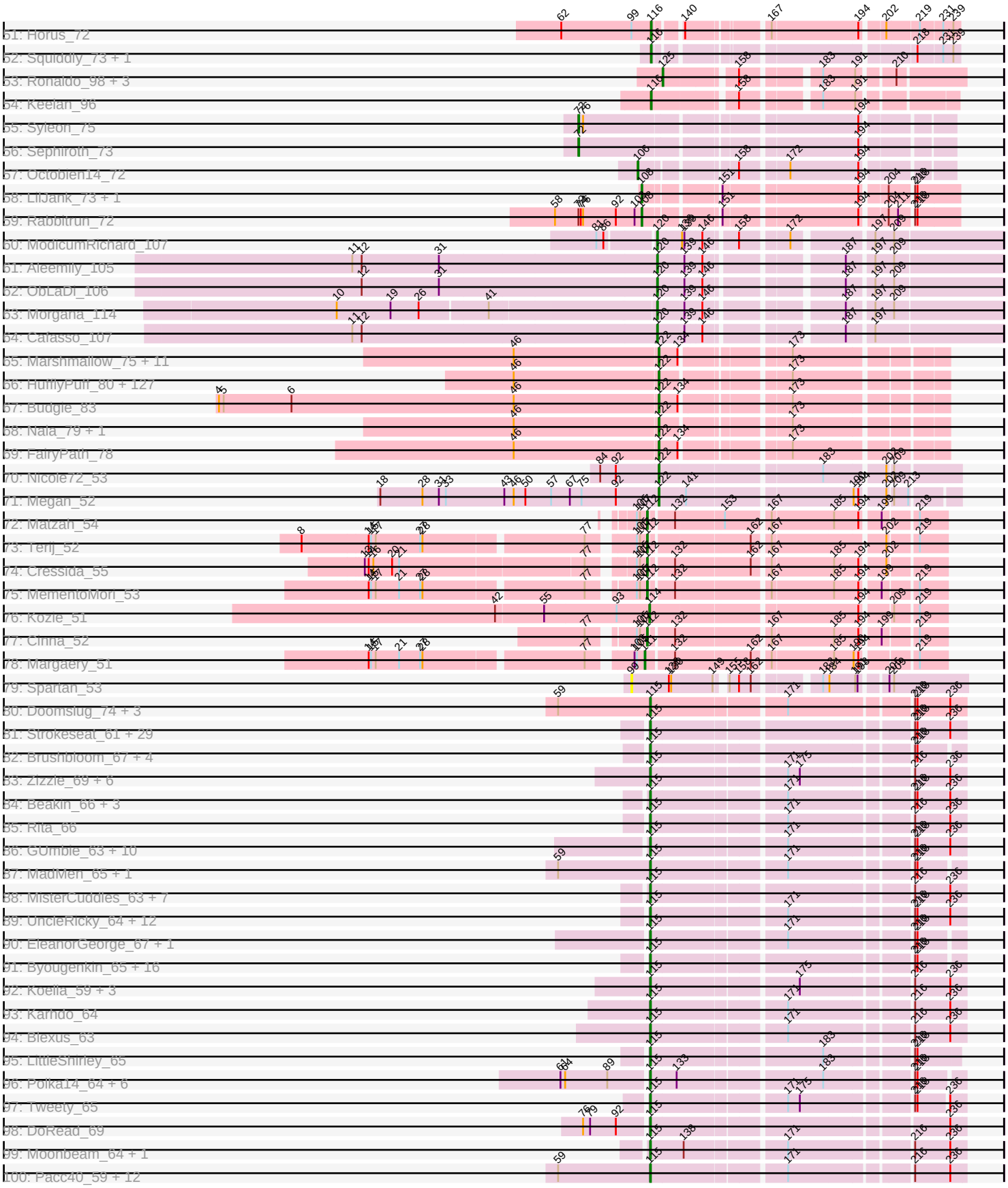
Pham 347051


1: Weirdo19_91
2: JustASigh_98
3: Laroye_90 + 2
4: ApoKipo_94
5: Wheelbite_86
6: Shrooms_89
7: Kovu_90
8: Waltz_87
9: Edmundo_89
10: HannahPhantana_32 + 8
11: PhirstandPhine_32 + 1
12: Kuleana_32
13: Kepler_32 + 1
14: Antrice_34
15: Lunar_32
16: LittleTokyo_32
17: Cygnet_31
18: Zhuangyuan_34
19: OtsoOtso_32 + 1
20: BadWillHunting_33
21: PhluffyCoco_30 + 10
22: AdoptaAdorbs_29 + 3
23: Babushka_27
24: Azaz_30 + 1
25: AlexMinion_30
26: KHumphrey_30
27: Renna12_29
28: Andrew_31
29: Makar_95
30: Sting_90 + 1
31: KingstonB_90
32: ColdSoup_93 + 1
33: Soos_87 + 1
34: Purplicious_92
35: Clawz_89
36: Stillon_90
37: Jollymon_90
38: Splinter_51 + 2
39: DinoDaryn_52 + 2
40: Banquo_50
41: TinaLin_50
42: Schmidt_45
43: Catfish_49
44: BritBrat_66
45: BotCity_75 + 1
46: MortyNRick_70
47: Ecliptus_75 + 2
48: ODay_78
49: LithiniMcQueen_71
50: Phabuloso_75

Pham 347051


51: Horus_72
52: Squiddly_73 + 1
53: Ronaldo_98 + 3
54: Keelan_96
55: Syleon_75
56: Sephiroth_73
57: Octobien14_72
58: LilJank_73 + 1
59: Rabbitrun_72
60: ModicumRichard_107
61: Aleemily_105
62: ObLaDi_106
63: Morgana_114
64: Calasso_107
65: Marshmallow_75 + 11
66: HumlyPuh_80 + 127
67: Budgie_83
68: Nala_79 + 1
69: FairyPath_78
70: Nicole72_53
71: Megan_52
72: Matzah_54
73: Tenj_52
74: Cressida_55
75: MementoMori_53
76: Kozie_51
77: Cinna_52
78: Margaery_51
79: Spartan_53
80: Doomslug_74 + 3
81: Strokeseat_61 + 29
82: Brushbloom_67 + 4
83: Zizzie_69 + 6
84: Beakin_66 + 3
85: Rita_66
86: GOmble_63 + 10
87: MadMen_65 + 1
88: MisterCuddles_63 + 7
89: UncleRicky_64 + 12
90: EleanorGeorge_67 + 1
91: Byougenkin_65 + 16
92: Koella_59 + 3
93: Kamdo_64
94: Blexus_63
95: LittleShiney_65
96: Polka14_64 + 6
97: Tweety_65
98: DoRead_69
99: Moonbeam_64 + 1
100: Pacc40_59 + 12

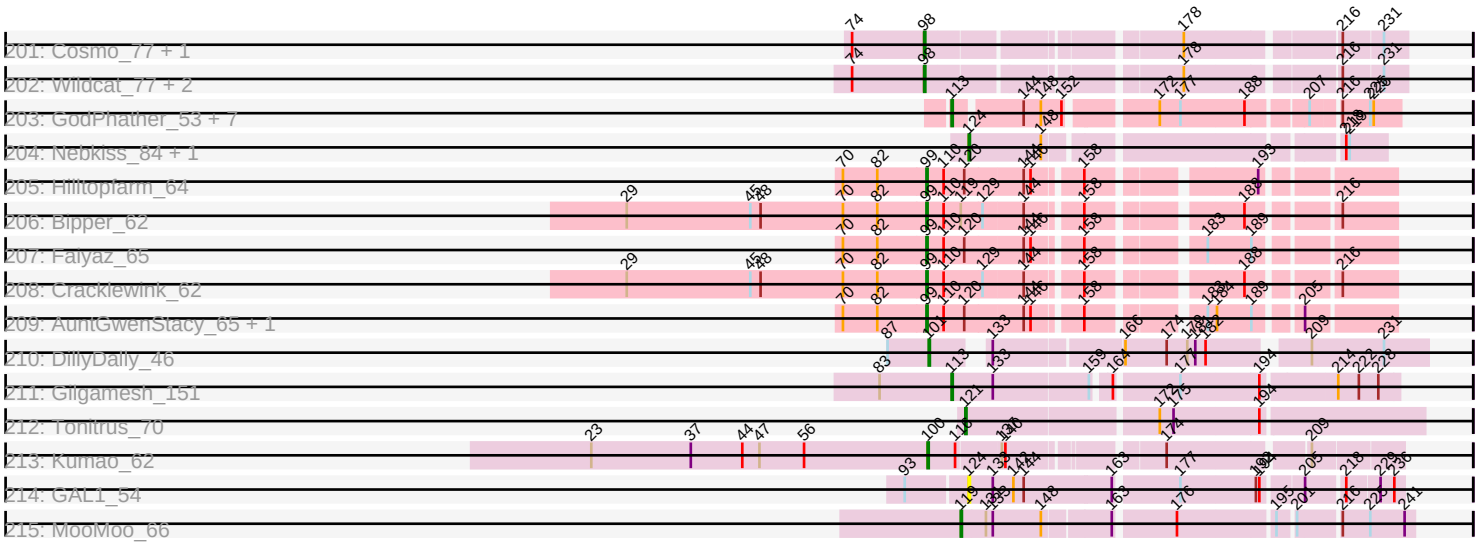
Pham 347051


101: Grimmer_72
102: LunaBlu_67 + 1
103: Medindi_61
104: Madiba_66 + 3
105: Mutaforma13_71
106: Kingsley_63 + 6
107: Whatsapiecost_65
108: PhilpPhlop_65 + 1
109: BodEinwohner17_66 + 7
110: Marker_67
111: Ochi17_69 + 6
112: Nitzel_62
113: BlueCrab_66 + 1
114: DeadP_72 + 2
115: Harley_67
116: VRedHorse_65
117: Dante_66
118: Firehouse51_68
119: Fancypants_68 + 1
120: OwlsT2W_65
121: GigiOuiOui_61
122: Estave1_70
123: DaddyRickover_65 + 4
124: Kenuha5_63 + 1
125: Whouxphi_62
126: Stap_63
127: Juniper1_65
128: Yorick_64
129: Fastudio_66
130: Pollywog_66
131: Inventum_61
132: PhesterPhotato_65
133: Krakatau_62
134: DillTech15_63
135: Spikelee_72
136: Violac_66
137: Wachhund_66
138: DRBy19_69 + 1
139: SG4_62 + 1
140: Royals2015_68
141: Ogopogo_71 + 1
142: Zapher_79 + 3
143: Yoshi_81
144: Che9d_75 + 2
145: SilverChicken_75 + 2
146: Demsculpinboyz_78
147: Squirty_67
148: TChen_67 + 1
149: Renaud18_75
150: Cornie_63 + 3

Pham 347051


151: Skitty_47 + 2
152: Hum25_55
153: Pitbull_53
154: Neroxid_50 + 2
155: Khuang_54
156: Altostratus_54
157: Violeta_43 + 1
158: Blett_41 + 2
159: Phonegingi_41
160: CookieDog_41 + 1
161: Mariel_42 + 3
162: ScoobySnack_38
163: Jakelyne_43
164: Lesiram_59
165: Wrackline_71
166: DelaGarza_58
167: Sweetums_60
168: Gingerbug_57
169: Teng_59
170: Hughesyang_122 + 3
171: Constella_107 + 7
172: Ariel_118 + 3
173: EricMillard_114 + 3
174: Gonephishing_112 + 1
175: Hidrated_105
176: Redno2_116 + 2
177: Lucky2013_115
178: Bagrid_123 + 2
179: Klein_119 + 1
180: Pound_112
181: MiaZeal_118
182: RokkenD_113
183: Wanda_122
184: Colossa_116
185: VanLee_116
186: Wyatt2_67 + 2
187: Rose5_66 + 1
188: Archie_67
189: Bellis_66 + 10
190: Finnry_66 + 1
191: MiniMac_69
192: BourbonZero_66
193: MiniLon_69 + 1
194: DuncansLeg_66
195: Aegeus_71 + 1
196: Dulcita_67 + 3
197: MrMagoo_76
198: Pringar_68 + 19
199: Stellamml_92
200: PhaoMing_57

Pham 347051


201: Cosmo_77 + 1
202: Wildcat_77 + 2
203: GodPhather_53 + 7
204: Nebkiss_84 + 1
205: Hilltopfarm_64
206: Bipper_62
207: Faiyaz_65
208: Cracklewink_62
209: AuntGwenStacy_65 + 1
210: DillyDally_46
211: Gilgamesh_151
212: Tonitrus_70
213: Kumao_62
214: GAL1_54
215: MooMoo_66

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 347051 Report

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

Pham number 347051 has 640 members, 46 are drafts.

Phages represented in each track:
• Track 1 : Weirdo19_91
• Track 2 : JustASigh_98
• Track 3 : Laroye_90, Salgado_90, LiSara_87
• Track 4 : ApoKipo_94
• Track 5 : Wheelbite_86
• Track 6 : Shrooms_89
• Track 7 : Kovu_90
• Track 8 : Waltz_87
• Track 9 : Edmundo_89
• Track 10 : HannahPhantana_32, Bedetta_34, Amelia_32, Cote_33, Coral_31, GramZayde_32, Pineda_33, Colusalem_32, Jerole_32
• Track 11 : PhirstandPhine_32, Melons_32
• Track 12 : Kuleana_32
• Track 13 : Kepler_32, Daob_33
• Track 14 : Antrice_34
• Track 15 : Lunar_32
• Track 16 : LittleTokyo_32
• Track 17 : Cygnet_31
• Track 18 : Zhuangyuan_34
• Track 19 : OtsoOtso_32, Polka_31
• Track 20 : BadWillHunting_33
• Track 21 : PhluffyCoco_30, Atlantica_30, RedFox_30, Laphuphu24k_28, Juno112_29, Amphitrite_30, DanHam62_30, Fingolfin_30, Glotell_31, HamCheese_30, AmiCi24_29
• Track 22 : AdoptaAdorbs_29, Oppalora_29, Camara_30, Rattail_30
• Track 23 : Babushka_27
• Track 24 : Azaz_30, Leona_29
• Track 25 : AlexMinion_30
• Track 26 : KHumphrey_30
• Track 27 : Renna12_29
• Track 28 : Andrew_31
• Track 29 : Makar_95
• Track 30 : Sting_90, DonTron_91
• Track 31 : KingstonB_90
• Track 32 : ColdSoup_93, Amo99_93
• Track 33 : Soos_87, Grumio_93
• Track 34 : Purplicious_92

• Track 35 : Clawz_89
• Track 36 : Stillion_90
• Track 37 : Jollymon_90
• Track 38 : Splinter_51, Vendetta_51, Goib_52
• Track 39 : DinoDaryn_52, TZGordon_53, Huffy_52
• Track 40 : Banquo_50
• Track 41 : TinaLin_50
• Track 42 : Schmidt_45
• Track 43 : Catfish_49
• Track 44 : BritBrat_66
• Track 45 : BotCity_75, BearBQ_70
• Track 46 : MortyNRick_70
• Track 47 : Ecliptus_75, CheeseTouch_74, Kuwabara_72
• Track 48 : ODay_78
• Track 49 : LitninMcQueen_71
• Track 50 : Phabuloso_75
• Track 51 : Horus_72
• Track 52 : Squiddly_73, Spooky_68
• Track 53 : Ronaldo_98, Guey18_100, Volt_99, Fryberger_95
• Track 54 : Keelan_96
• Track 55 : Syleon_75
• Track 56 : Sephiroth_73
• Track 57 : Octobien14_72
• Track 58 : LilJank_73, Trax_71
• Track 59 : Rabbitrun_72
• Track 60 : ModicumRichard_107
• Track 61 : Aleemily_105
• Track 62 : ObLaDi_106
• Track 63 : Morgana_114
• Track 64 : Cafasso_107
• Track 65 : Marshmallow_75, ChotaBhai_77, SirDuracell_76, Bask21_77, Cookies_74, TeamEdward_79, YassJohnny_74, Pat3_75, Tomaszewski_72, DoctorDiddles_76, OrionPax_76, Amao_77
• Track 66 : HufflyPuff_80, PaddyBaddy_77, Bogg_77, Teaspoon_78, Moldemort_80, Buck_78, Petra64142_81, NoSleep_78, Highbury_76, Glexan_76, TeardropMSU_73, Lilizi_78, Thresher_79, Inca_74, Kimchi_81, 244_78, DrDrey_77, MISSy_78, Nimrod_78, Stank_80, Gage_79, Phaja_75, Becksu_76, BilboSwaggins_75, StellaBean_75, Bench_80, AmericanBeauty_81, Myrale_77, Manda_78, Ukulele_72, Rimmer_78, Kostya_77, SophKB_74, FoghornLeghorn_71, HanKaySha_77, Pumpkin_80, Stark_78, IHOP_75, Icee_78, Sassay_72, MPhalcon_78, Balomoji_77, Dusk_74, Kanye_74, Saints25_76, Cactus_80, JeTaime_77, Simpliphy_76, Livelaughbron_79, GooberAzure_80, PhatBacter_81, xkcd_80, Lilpickle_76, Holt_82, Murica_80, Rakim_78, Adnama_81, Gemini_82, MadamMonkfish_77, Tarkin_76, Greep_81, Mindy_76, Mosby_73, Dumbo_77, Lilac_79, Phaux_79, NelitzaMV_75, BadStone_74, Eureka_75, TBrady12_80, BigBubba_77, Flypotenuse_73, CrystalP_76, Phrux_74, BugsBunny_77, Cjw1_77, Hoonter_80, Willez_72, BaboJay_74, Goku_75, Asriel_76, Palpatine_79, Henry_75, Barbarian_76, Hopey_77, Bruin_74, Xandras_76, Tuco_78, Contagion_73, NonchalantPear_77, Quallification_78, Goldilocks_80, StolenFromERC_80, GoldenSpark_81, Traaww1_73, Daikon_79, Easy2Say_78, Filch_78, ShamWow_77, Brewer_73, Porky_76, Czyszczon1_78, RiverMonster_77, Sotrice96_78, Harella_77, Elph10_77, Policronamos_80, Youngblood_80, Toto_75, Murphy_77, Pharsalus_74, Command613_79, Gator_75, StormChicken_79, Miniwave_72, Elite2014_76,

Misfit_78, Maxxinista_79, ChosenOne_77, Emmina_77, Argent26_81, ABCat_74, Terminus_80, Wiggin_79, Ptowny_74, MollyToe_72, Paperbeatsrock_76, Thimble_78
• Track 67 : Budgie_83
• Track 68 : Nala_79, FireRed_81
• Track 69 : FairyPath_78
• Track 70 : Nicole72_53
• Track 71 : Megan_52
• Track 72 : Matzah_54
• Track 73 : Terij_52
• Track 74 : Cressida_55
• Track 75 : MementoMori_53
• Track 76 : Kozie_51
• Track 77 : Cinna_52
• Track 78 : Margaery_51
• Track 79 : Spartan_53
• Track 80 : Doomslug_74, Hegedechwinu_65, Gandalph_68, Topiatin_72
• Track 81 : Strokeseat_61, Spartacus_67, Peridot_64, Filuzino_63, Emmaloid_67, Plumbus_68, StAnnes_63, Hlubikazi_61, Ovechkin_65, DotProduct_60, Donkeykong_68, Flathead_66, Girafales_73, Florinda_76, Slim_67, DLane_60, Ms6_62, IrishSherpFalk_66, PopTart_59, Shauna1_63, Rialto_70, Phanphagia_61, Melissauren88_63, Seagreen_64, SassyB_59, WillSterrel_66, Phalconet_63, Quico_73, Chevrolet_70, Mandlovu_61
• Track 82 : Brushbloom_67, Bobi_69, Batiatus_63, MilleniumForce_68, Ibhubesi_65
• Track 83 : Zizzle_69, Maravista_67, ByChance_58, Pippy_64, ShowerHandel_68, Crumble_60, BobaPhett_69
• Track 84 : Beakin_66, Guppsters_66, Hades_66, Soul22_71
• Track 85 : Rita_66
• Track 86 : GUmbie_63, James_69, BuzzLyseyear_71, Tchotchke_66, Mattes_69, Gorge_69, Saal_67, Che8_70, OlympiaSaint_67, Lizziana_71, Eradicator_58
• Track 87 : MadMen_65, Martik_65
• Track 88 : MisterCuddles_63, XFactor_63, Zerg_65, RockyHorror_66, Alexphander_69, Doug_67, Girr_63, Ruby_61
• Track 89 : UncleRicky_64, ArcusAngelus_67, Lorde_65, Phatniss_63, Eish_68, Drago_62, Totinger_65, Enby_66, DosHalletts_67, DirtMcgirt_64, Mova_69, Llij_61, Radiance_64
• Track 90 : EleanorGeorge_67, Leozinho_64
• Track 91 : Byougenkin_65, MulchExplorer_69, Rockne_66, Kimberlium_70, QuickMath_69, Chuckly_68, Juice456_66, Hamulus_65, JalFarm20_78, Jant_69, PMC_62, Boomer_70, SiSi_63, Ardmore_57, KristaRAM_68, Starcevich_65, Avani_73
• Track 92 : Koella_59, Priscilla_65, NormanBulbieJr_65, Cabrinians_66
• Track 93 : Karhdo_64
• Track 94 : Blexus_63
• Track 95 : LittleShirley_65
• Track 96 : Polka14_64, JoeyJr_61, PHappiness_61, Leperchaun_58, Spoonbill_63, RitaG_61, Daenerys_60
• Track 97 : Tweety_65
• Track 98 : DoRead_69
• Track 99 : Moonbeam_64, Emma_67
• Track 100 : Pacc40_59, LastJedi_59, CaptainTrips_63, MinionDave_64, Nivrat_62, Minnie_68, LilMoolah_64, Clifton_60, Brocalys_60, Aubs_65, Burwell21_63, SwagPigglett_70, Sandalphon_66
• Track 101 : Grimmer_72

• Track 102 : LunaBlu_67, Galactic_64
• Track 103 : Medindi_61
• Track 104 : Madiba_66, Ramsey_64, Beanstalk_63, DaWorst_65
• Track 105 : Mutaforma13_71
• Track 106 : Kingsley_63, Coco12_65, Sarma624_64, Cerasum_62, Brookers_63, Velveteen_61, BigPhil_62
• Track 107 : Whatsapiecost_65
• Track 108 : PhlipPhlop_65, Vivum_66
• Track 109 : BodEinwohner17_66, Geralt_60, Empress_64, Nimbo_59, Deb65_60, IbOuu_65, Scottish_64, OldBen_63
• Track 110 : Marker_67
• Track 111 : Ochi17_69, Modragons_69, OfUltron_71, Llama_70, Jinglebell_71, AlpineSix_71, Seabastian_71
• Track 112 : Nitzel_62
• Track 113 : BlueCrab_66, FreddyB_66
• Track 114 : DeadP_72, Wee_70, Taj_70
• Track 115 : Harley_67
• Track 116 : VRedHorse_65
• Track 117 : Dante_66
• Track 118 : Firehouse51_68
• Track 119 : Fancypants_68, Mozy_75
• Track 120 : OwlsT2W_65
• Track 121 : GigiOuiOui_61
• Track 122 : Estave1_70
• Track 123 : DaddyRickover_65, Sassafras_64, RedBird_64, KingMidas_65, Dorothy_64
• Track 124 : Kenuha5_63, SuperGrey_69
• Track 125 : Whouxphf_62
• Track 126 : Stap_63
• Track 127 : Juniper1_65
• Track 128 : Yorick_64
• Track 129 : Fastidio_66
• Track 130 : Pollywog_66
• Track 131 : Inventum_61
• Track 132 : PhesterPhotato_65
• Track 133 : Krakatau_62
• Track 134 : DillTech15_63
• Track 135 : Spikelee_72
• Track 136 : Violac_66
• Track 137 : Wachhund_66
• Track 138 : DRBy19_69, Philus_69
• Track 139 : SG4_62, Mahavrat_62
• Track 140 : Royals2015_68
• Track 141 : Ogopogo_71, ThetaBob_73
• Track 142 : Zapner_79, Jabbawokkie_80, Blarby_78, Mantra_62
• Track 143 : Yoshi_81
• Track 144 : Che9d_75, ShiLan_64, Kersh_67
• Track 145 : SilverChicken_75, Cornucopia_67, Veteran_62
• Track 146 : Demsculpinboyz_78
• Track 147 : Squirty_67
• Track 148 : TChen_67, LunaStella_65
• Track 149 : Renaud18_75
• Track 150 : Cornie_63, Cheesepuff_74, Bipolar_65, Jennelsea_63

• Track 151 : Skitty_47, MrSmee_53, Merpity_54
• Track 152 : Hum25_55
• Track 153 : Pitbull_53
• Track 154 : Neroxid_50, Raya_50, Skyerus_45
• Track 155 : Khuang_54
• Track 156 : Altostratus_54
• Track 157 : Violeta_43, Carrillo_43
• Track 158 : Blett_41, NCRodriguez_42, Bush_42
• Track 159 : Phonegingi_41
• Track 160 : CookieDog_41, Phingu_44
• Track 161 : Mariel_42, Warren_41, Antuna_42, MenE_42
• Track 162 : ScoobySnack_38
• Track 163 : Jakelyne_43
• Track 164 : Lesiram_59
• Track 165 : Wrackline_71
• Track 166 : DelaGarza_58
• Track 167 : Sweetums_60
• Track 168 : Gingerbug_57
• Track 169 : Teng_59
• Track 170 : Hughesyang_122, Zelink_117, Minerva_120, ThreeRngTarjay_118
• Track 171 : Constella_107, JuicyJay_120, Phoebus_124, Thibault_106, Beem_125, Dallas_124, NihilNomen_125, Dove_109
• Track 172 : Ariel_118, Squint_116, Courthouse_113, Superphikiman_115
• Track 173 : EricMillard_114, Duke13_117, Optimus_113, BAKA_122
• Track 174 : Gonephishing_112, LittleE_122
• Track 175 : Hidrated_105
• Track 176 : Redno2_116, Halley_125, Ejimix_117
• Track 177 : Lucky2013_115
• Track 178 : Bagrid_123, Kalah2_114, DmpstrDiver_123
• Track 179 : Klein_119, Bobby_115
• Track 180 : Pound_112
• Track 181 : MiaZeal_118
• Track 182 : HokkenD_113
• Track 183 : Wanda_122
• Track 184 : Colossa_116
• Track 185 : VanLee_116
• Track 186 : Wyatt2_67, AvadaKedavra_66, Tyson_67
• Track 187 : Rose5_66, Wamburgrxpress_66
• Track 188 : Archie_67
• Track 189 : Bellis_66, MsGreen_66, Snenia_65, Jubie_65, TriFive_67, Lumos_67, Krypton555_67, Clautastrophe_65, Jobypre_66, Whirlwind_66, Red305_66
• Track 190 : Finnry_66, Samty_66
• Track 191 : MiniMac_69
• Track 192 : BourbonZero_66
• Track 193 : MiniLon_69, Lolly9_65
• Track 194 : DuncansLeg_66
• Track 195 : Aegeus_71, Baudelaire_71
• Track 196 : Dulcita_67, Glaske16_67, FreakyGoo_67, Izel_67
• Track 197 : MrMagoo_76
• Track 198 : Pringar_68, VasuNzinga_68, MosMoris_66, Clarkson_70, Tesla_66, GoongGoong_68, JoieB_70, FeliMaine_71, Poise_69, Gattaca_67, Raela_69, Beelzebub_73, Caprice_68, LittleLaf_69, Blackbeetle_69, Marvin_65, RedRaider77_68, Corazon_67, Huphlepuff_71, Lilbit_67

• Track 199 : Stellammi_92
• Track 200 : PhaoMing_57
• Track 201 : Cosmo_77, Azrael100_76
• Track 202 : Wildcat_77, MaryV_77, EniyanLRS_168
• Track 203 : GodPhather_53, PR_52, Megabear_52, Jeon_52, Cepens_52, D12_51, Argie_53, Taptic_52
• Track 204 : Nebkiss_84, Gaia_85
• Track 205 : Hilltopfarm_64
• Track 206 : Bipper_62
• Track 207 : Faiyaz_65
• Track 208 : Cracklewink_62
• Track 209 : AuntGwenStacy_65, Typha_64
• Track 210 : DillyDally_46
• Track 211 : Gilgamesh_151
• Track 212 : Tonitrus_70
• Track 213 : Kumao_62
• Track 214 : GAL1_54
• Track 215 : MooMoo_66

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

The start number called the most often in the published annotations is 115, it was called in 239 of the 594 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alexphander_69, AlpineSix_71, Archie_67, ArcusAngelus_67, Ardmore_57, Aubs_65, Avani_73, Batiatus_63, Beakin_66, Beanstalk_63, Bellis_66, BigPhil_62, Bipolar_65, Blarby_78, Blexus_63, BlueCrab_66, BobaPhett_69, Bobi_69, BodEinwohner17_66, Boomer_70, BourbonZero_66, Brocalys_60, Brookers_63, Brushbloom_67, Burwell21_63, BuzzLyseyear_71, ByChance_58, Byougenkin_65, Cabrinians_66, CaptainTrips_63, Cerasum_62, Che8_70, Che9d_75, Cheesepuff_74, Chevrolet_70, Chuckly_68, Clautastrophe_65, Clifton_60, Coco12_65, Cornie_63, Cornucopia_67, Crumble_60, DLane_60, DRBy19_69, DaWorst_65, DaddyRickover_65, Daenerys_60, Dante_66, DeadP_72, Deb65_60, Demsculpinboyz_78, DillTech15_63, DirtMcgirt_64, DoRead_69, Donkeykong_68, Doomslug_74, Dorothy_64, DosHalletts_67, DotProduct_60, Doug_67, Drago_62, DuncansLeg_66, Eish_68, EleanorGeorge_67, Emma_67, Emmaloid_67, Empress_64, Enby_66, Eradicator_58, Estave1_70, Fancypants_68, Fastidio_66, Filuzino_63, Finnry_66, Firehouse51_68, Flathead_66, Florinda_76, FreddyB_66, GUmbie_63, Galactic_64, Gandalph_68, Geralt_60, GigiOuiOui_61, Girafales_73, Girr_63, Gorge_69, Grimmer_72, Guppsters_66, Hades_66, Hamulus_65, Harley_67, Hegedechwinu_65, Hlubikazi_61, IbOuu_65, Ibhubesi_65, IrishSherpFalk_66, Jabbawokkie_80, JalFarm20_78, James_69, Jant_69, Jennelsea_63, Jinglebell_71, Jobypre_66, JoeyJr_61, Jubie_65, Juice456_66, Juniper1_65, Karhdo_64, Kenuha5_63, Kersh_67, Kimberlium_70, KingMidas_65, Kingsley_63, Koella_59, Krakatau_62, KristaRAM_68, Krypton555_67, LastJedi_59, Leozinho_64, Leperchaun_58, LilMoolah_64, LittleShirley_65, Lizziana_71, Llama_70, Llij_61, Lolly9_65, Lorde_65, Lumos_67, LunaBlu_67, LunaStella_65, MadMen_65, Madiba_66, Mahavrat_62, Mandlovu_61, Mantra_62, Maravista_67, Marker_67, Martik_65, Mattes_69, Medindi_61, Melissauren88_63, MilleniumForce_68,

MiniLon_69, MinionDave_64, Minnie_68, MisterCuddles_63, Modragons_69, Moonbeam_64, Mova_69, Mozy_75, Ms6_62, MsGreen_66, MulchExplorer_69, Mutaforma13_71, Nimbo_59, Nitzel_62, Nivrat_62, NormanBulbieJr_65, Ochi17_69, OfUltron_71, Ogopogo_71, OldBen_63, OlympiaSaint_67, Ovechkin_65, OwlsT2W_65, PHappiness_61, PMC_62, Pacc40_59, Peridot_64, Phalconet_63, Phanphagia_61, Phatniss_63, PhesterPhotato_65, Philus_69, PhlipPhlop_65, Pippy_64, Plumbus_68, Polka14_64, Pollywog_66, PopTart_59, Priscilla_65, QuickMath_69, Quico_73, Radiance_64, Ramsey_64, Red305_66, RedBird_64, Renaud18_75, Rialto_70, RitaG_61, Rita_66, Rockne_66, RockyHorror_66, Royals2015_68, Ruby_61, SG4_62, Saal_67, Samty_66, Sandalphon_66, Sarma624_64, Sassafras_64, SassyB_59, Scottish_64, Seabastian_71, Seagreen_64, Shauna1_63, ShiLan_64, ShowerHandel_68, SiSi_63, SilverChicken_75, Slim_67, Snenia_65, Soul22_71, Spartacus_67, Spikelee_72, Spoonbill_63, Squirty_67, StAnnes_63, Stap_63, Starcevich_65, Strokeseat_61, SuperGrey_69, SwagPigglett_70, TChen_67, Taj_70, Tchotchke_66, ThetaBob_73, Topiatin_72, Totinger_65, TriFive_67, Tweety_65, UncleRicky_64, VRedHorse_65, Velveteen_61, Veteran_62, Violac_66, Vivum_66, Wachhund_66, Wee_70, Whatsapiecost_65, Whirlwind_66, Whouxphf_62, WillSterrel_66, XFactor_63, Yorick_64, Yoshi_81, Zapner_79, Zerg_65, Zizzle_69,

Genes that have the "Most Annotated" start but do not call it:
• Inventum_61, MiniMac_69,

Genes that do not have the "Most Annotated" start:
• 244_78, ABCat_74, Adnama_81, AdoptaAdorbs_29, Aegeus_71, Aleemily_105, AlexMinion_30, Altostratus_54, Amao_77, Amelia_32, AmericanBeauty_81, AmiCi24_29, Amo99_93, Amphitrite_30, Andrew_31, Antrice_34, Antuna_42, ApoKipo_94, Argent26_81, Argie_53, Ariel_118, Asriel_76, Atlantica_30, AuntGwenStacy_65, AvadaKedavra_66, Azaz_30, Azrael100_76, BAKA_122, BaboJay_74, Babushka_27, BadStone_74, BadWillHunting_33, Bagrid_123, Balomoji_77, Banquo_50, Barbarian_76, Bask21_77, Baudelaire_71, BearBQ_70, Becksu_76, Bedetta_34, Beelzebub_73, Beem_125, Bench_80, BigBubba_77, BilboSwaggins_75, Bipper_62, Blackbeetle_69, Blett_41, Bobby_115, Bogg_77, BotCity_75, Brewer_73, BritBrat_66, Bruin_74, Buck_78, Budgie_83, BugsBunny_77, Bush_42, Cactus_80, Cafasso_107, Camara_30, Caprice_68, Carrillo_43, Catfish_49, Cepens_52, CheeseTouch_74, ChosenOne_77, ChotaBhai_77, Cinna_52, Cjw1_77, Clarkson_70, Clawz_89, ColdSoup_93, Colossa_116, Colusalem_32, Command613_79, Constella_107, Contagion_73, CookieDog_41, Cookies_74, Coral_31, Corazon_67, Cosmo_77, Cote_33, Courthouse_113, Cracklewink_62, Cressida_55, CrystalP_76, Cygnet_31, Czyszczon1_78, D12_51, Daikon_79, Dallas_124, DanHam62_30, Daob_33, DelaGarza_58, DillyDally_46, DinoDaryn_52, DmpstrDiver_123, DoctorDiddles_76, DonTron_91, Dove_109, DrDrey_77, Duke13_117, Dulcita_67, Dumbo_77, Dusk_74, Easy2Say_78, Ecliptus_75, Edmundo_89, Ejimix_117, Elite2014_76, Elph10_77, Emmina_77, EniyanLRS_168, EricMillard_114, Eureka_75, FairyPath_78, Faiyaz_65, FeliMaine_71, Filch_78, Fingolfin_30, FireRed_81, Flypotenuse_73, FoghornLeghorn_71, FreakyGoo_67, Fryberger_95, GAL1_54, Gage_79, Gaia_85, Gator_75, Gattaca_67, Gemini_82, Gilgamesh_151, Gingerbug_57, Glaske16_67, Glexan_76, Glotell_31, GodPhather_53, Goib_52, Goku_75, GoldenSpark_81, Goldilocks_80, Gonephishing_112, GooberAzure_80, GoongGoong_68, GramZayde_32, Greep_81, Grumio_93, Guey18_100, Halley_125, HamCheese_30, HanKaySha_77, HannahPhantana_32, Harella_77, Henry_75, Hidrated_105, Highbury_76, Hilltopfarm_64, HokkenD_113, Holt_82, Hoonter_80, Hopey_77,

Horus_72, HufflyPuff_80, Huffy_52, Hughesyang_122, Hum25_55, Huphlepuff_71, IHOP_75, Icee_78, Inca_74, Izel_67, Jakelyne_43, JeTaime_77, Jeon_52, Jerole_32, JoieB_70, Jollymon_90, JuicyJay_120, Juno112_29, JustASigh_98, KHumphrey_30, Kalah2_114, Kanye_74, Keelan_96, Kepler_32, Khuang_54, Kimchi_81, KingstonB_90, Klein_119, Kostya_77, Kovu_90, Kozie_51, Kuleana_32, Kumao_62, Kuwabara_72, Laphuphu24k_28, Laroye_90, Leona_29, Lesiram_59, LiSara_87, LilJank_73, Lilac_79, Lilbit_67, Lilizi_78, Lilpickle_76, LitninMcQueen_71, LittleE_122, LittleLaf_69, LittleTokyo_32, Livelaughbron_79, Lucky2013_115, Lunar_32, MISSy_78, MPhalcon_78, MadamMonkfish_77, Makar_95, Manda_78, Margaery_51, Mariel_42, Marshmallow_75, Marvin_65, MaryV_77, Matzah_54, Maxxinista_79, Megabear_52, Megan_52, Melons_32, MementoMori_53, MenE_42, Merpity_54, MiaZeal_118, Mindy_76, Minerva_120, Miniwave_72, Misfit_78, ModicumRichard_107, Moldemort_80, MollyToe_72, MooMoo_66, Morgana_114, MortyNRick_70, MosMoris_66, Mosby_73, MrMagoo_76, MrSmee_53, Murica_80, Murphy_77, Myrale_77, NCRodriguez_42, Nala_79, Nebkiss_84, NelitzaMV_75, Neroxid_50, Nicole72_53, NihilNomen_125, Nimrod_78, NoSleep_78, NonchalantPear_77, ODay_78, ObLaDi_106, Octobien14_72, Oppalora_29, Optimus_113, OrionPax_76, OtsoOtso_32, PR_52, PaddyBaddy_77, Palpatine_79, Paperbeatsrock_76, Pat3_75, Petra64142_81, Phabuloso_75, Phaja_75, PhaoMing_57, Pharsalus_74, PhatBacter_81, Phaux_79, Phingu_44, PhirstandPhine_32, PhluffyCoco_30, Phoebus_124, Phonegingi_41, Phrux_74, Pineda_33, Pitbull_53, Poise_69, Policronamos_80, Polka_31, Porky_76, Pound_112, Pringar_68, Ptowny_74, Pumpkin_80, Purplicious_92, Quallification_78, Rabbitrun_72, Raela_69, Rakim_78, Rattail_30, Raya_50, RedFox_30, RedRaider77_68, Redno2_116, Renna12_29, Rimmer_78, RiverMonster_77, Ronaldo_98, Rose5_66, Saints25_76, Salgado_90, Sassay_72, Schmidt_45, ScoobySnack_38, Sephiroth_73, ShamWow_77, Shrooms_89, Simpliphy_76, SirDuracell_76, Skitty_47, Skyerus_45, Soos_87, SophKB_74, Sotrice96_78, Spartan_53, Splinter_51, Spooky_68, Squiddly_73, Squint_116, Stank_80, Stark_78, StellaBean_75, Stellammi_92, Stillion_90, Sting_90, StolenFromERC_80, StormChicken_79, Superphikiman_115, Sweetums_60, Syleon_75, TBrady12_80, TZGordon_53, Taptic_52, Tarkin_76, TeamEdward_79, TeardropMSU_73, Teaspoon_78, Teng_59, Terij_52, Terminus_80, Tesla_66, Thibault_106, Thimble_78, ThreeRngTarjay_118, Thresher_79, TinaLin_50, Tomaszewski_72, Tonitrus_70, Toto_75, Traaww1_73, Trax_71, Tuco_78, Typha_64, Tyson_67, Ukulele_72, VanLee_116, VasuNzinga_68, Vendetta_51, Violeta_43, Volt_99, Waltz_87, Wamburgrxpress_66, Wanda_122, Warren_41, Weirdo19_91, Wheelbite_86, Wiggin_79, Wildcat_77, Willez_72, Wrackline_71, Wyatt2_67, Xandras_76, YassJohnny_74, Youngblood_80, Zelink_117, Zhuangyuan_34, xkcd_80,

Summary by start number:

Start 72:
• Found in 3 of 640 (0.5%) of genes in pham
• Manual Annotations of this start: 2 of 594
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Sephiroth_73 (DU1), Syleon_75 (DU1),

Start 78:
• Found in 1 of 640 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Kuleana_32 (AS2),

Start 88:
• Found in 1 of 640 (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: Weirdo19_91 (AH),

Start 89:
• Found in 31 of 640 (4.8%) of genes in pham
• Manual Annotations of this start: 9 of 594
• Called 29.0% of time when present
• Phage (with cluster) where this start called: ApoKipo_94 (AL), Edmundo_89 (AL), Kovu_90 (AL), Laroye_90 (AL), LiSara_87 (AL), Salgado_90 (AL), Shrooms_89 (AL), Waltz_87 (AL), Wheelbite_86 (AL),

Start 91:
• Found in 1 of 640 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Clawz_89 (CP),

Start 93:
• Found in 4 of 640 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Lucky2013_115 (J),

Start 95:
• Found in 2 of 640 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 50.0% of time when present
• Phage (with cluster) where this start called: HokkenD_113 (J),

Start 96:
• Found in 21 of 640 (3.3%) of genes in pham
• Manual Annotations of this start: 20 of 594
• Called 95.2% of time when present
• Phage (with cluster) where this start called: Beelzebub_73 (S), Blackbeetle_69 (S), Caprice_68 (S), Clarkson_70 (S), Corazon_67 (S), FeliMaine_71 (S), Gattaca_67 (S), GoongGoong_68 (S), Huphlepuff_71 (S), JoieB_70 (S), Lilbit_67 (S), LittleLaf_69 (S), Marvin_65 (S), MosMoris_66 (S), Poise_69 (S), Pringar_68 (S), Raela_69 (S), RedRaider77_68 (S), Tesla_66 (S), VasuNzinga_68 (S),

Start 97:
• Found in 38 of 640 (5.9%) of genes in pham
• Manual Annotations of this start: 30 of 594
• Called 86.8% of time when present
• Phage (with cluster) where this start called: AlexMinion_30 (AS3), Amelia_32 (AS2), AmiCi24_29 (AS3), Amphitrite_30 (AS3), Atlantica_30 (AS3), Azaz_30 (AS3), Babushka_27 (AS3), BadWillHunting_33 (AS2), Bedetta_34 (AS2), Colusalem_32 (AS2), Coral_31 (AS2), Cote_33 (AS2), DanHam62_30 (AS3), Daob_33 (AS2), Fingolfin_30 (AS3), Glotell_31 (AS3), GramZayde_32 (AS2), HamCheese_30 (AS3),

HannahPhantana_32 (AS2), Jerole_32 (AS2), Juno112_29 (AS3), Kepler_32 (AS2), Laphuphu24k_28 (AS3), Leona_29 (AS3), Lunar_32 (AS2), Melons_32 (AS2), OtsoOtso_32 (AS2), PhirstandPhine_32 (AS2), PhluffyCoco_30 (AS3), Pineda_33 (AS2), Polka_31 (AS2), RedFox_30 (AS3), Renna12_29 (AS3),

Start 98:
• Found in 5 of 640 (0.8%) of genes in pham
• Manual Annotations of this start: 5 of 594
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Azrael100_76 (V), Cosmo_77 (V), EniyanLRS_168 (V), MaryV_77 (V), Wildcat_77 (V),

Start 99:
• Found in 19 of 640 (3.0%) of genes in pham
• Manual Annotations of this start: 6 of 594
• Called 36.8% of time when present
• Phage (with cluster) where this start called: AuntGwenStacy_65 (Y), Bipper_62 (Y), Cracklewink_62 (Y), Faiyaz_65 (Y), Hilltopfarm_64 (Y), Spartan_53 (ES), Typha_64 (Y),

Start 100:
• Found in 8 of 640 (1.2%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Kumao_62 (singleton),

Start 101:
• Found in 1 of 640 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DillyDally_46 (singleton),

Start 102:
• Found in 3 of 640 (0.5%) of genes in pham
• Manual Annotations of this start: 3 of 594
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Antrice_34 (AS2), Cygnet_31 (AS2), Zhuangyuan_34 (AS2),

Start 106:
• Found in 13 of 640 (2.0%) of genes in pham
• Manual Annotations of this start: 3 of 594
• Called 23.1% of time when present
• Phage (with cluster) where this start called: Andrew_31 (AS3), LittleTokyo_32 (AS2), Octobien14_72 (DU1),

Start 108:
• Found in 3 of 640 (0.5%) of genes in pham
• Manual Annotations of this start: 3 of 594
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LilJank_73 (DU2), Rabbitrun_72 (DU2), Trax_71 (DU2),

Start 109:
• Found in 17 of 640 (2.7%) of genes in pham
• Manual Annotations of this start: 5 of 594
• Called 47.1% of time when present
• Phage (with cluster) where this start called: DonTron_91 (CP), Grumio_93 (CP), Jollymon_90 (CP), Makar_95 (CP), Purplicious_92 (CP), Soos_87 (CP), Stillion_90 (CP), Sting_90 (CP),

Start 110:
• Found in 7 of 640 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Stellammi_92 (UNK),

Start 111:
• Found in 1 of 640 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Margaery_51 (EI),

Start 112:
• Found in 25 of 640 (3.9%) of genes in pham
• Manual Annotations of this start: 5 of 594
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Cinna_52 (EI), Cressida_55 (EI), Matzah_54 (EI), MementoMori_53 (EI), Terij_52 (EI),

Start 113:
• Found in 9 of 640 (1.4%) of genes in pham
• Manual Annotations of this start: 9 of 594
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Argie_53 (W), Cepens_52 (W), D12_51 (W), Gilgamesh_151 (singleton), GodPhather_53 (W), Jeon_52 (W), Megabear_52 (W), PR_52 (W), Taptic_52 (W),

Start 114:
• Found in 1 of 640 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kozie_51 (EI),

Start 115:
• Found in 251 of 640 (39.2%) of genes in pham
• Manual Annotations of this start: 239 of 594
• Called 99.2% of time when present
• Phage (with cluster) where this start called: Alexphander_69 (F1), AlpineSix_71 (F1), Archie_67 (L2), ArcusAngelus_67 (F1), Ardmore_57 (F1), Aubs_65 (F1), Avani_73 (F2), Batiatus_63 (F1), Beakin_66 (F1), Beanstalk_63 (F1), Bellis_66 (L3), BigPhil_62 (F1), Bipolar_65 (F1), Blarby_78 (F), Blexus_63 (F1), BlueCrab_66 (F1), BobaPhett_69 (F1), Bobi_69 (F1), BodEinwohner17_66 (F1), Boomer_70 (F1), BourbonZero_66 (L3), Brocalys_60 (F1), Brookers_63 (F1), Brushbloom_67 (F1), Burwell21_63 (F1), BuzzLyseyear_71 (F1), ByChance_58 (F1), Byougenkin_65 (F1), Cabrinians_66 (F1), CaptainTrips_63 (F1), Cerasum_62 (F1), Che8_70 (F1),

Che9d_75 (F2), Cheesepuff_74 (F1), Chevrolet_70 (F1), Chuckly_68 (F1), Clautastrophe_65 (L3), Clifton_60 (F1), Coco12_65 (F1), Cornie_63 (F5), Cornucopia_67 (F1), Crumble_60 (F1), DLane_60 (F1), DRBy19_69 (F1), DaWorst_65 (F1), DaddyRickover_65 (F1), Daenerys_60 (F1), Dante_66 (F1), DeadP_72 (F1), Deb65_60 (F1), Demsculpinboyz_78 (F2), DillTech15_63 (F1), DirtMcgirt_64 (F1), DoRead_69 (F1), Donkeykong_68 (F1), Doomslug_74 (F), Dorothy_64 (F1), DosHalletts_67 (F1), DotProduct_60 (F1), Doug_67 (F1), Drago_62 (F1), DuncansLeg_66 (L3), Eish_68 (F1), EleanorGeorge_67 (F1), Emma_67 (F1), Emmaloid_67 (F1), Empress_64 (F1), Enby_66 (F1), Eradicator_58 (F1), Estave1_70 (F1), Fancypants_68 (F1), Fastidio_66 (F1), Filuzino_63 (F1), Finnry_66 (L3), Firehouse51_68 (F1), Flathead_66 (F1), Florinda_76 (F1), FreddyB_66 (F1), GUmbie_63 (F1), Galactic_64 (F1), Gandalph_68 (F1), Geralt_60 (F1), GigiOuiOui_61 (F1), Girafales_73 (F1), Girr_63 (F1), Gorge_69 (F1), Grimmer_72 (F1), Guppsters_66 (F1), Hades_66 (F1), Hamulus_65 (F1), Harley_67 (F1), Hegedechwinu_65 (F1), Hlubikazi_61 (F1), IbOuu_65 (F1), Ibhubesi_65 (F1), IrishSherpFalk_66 (F1), Jabbawokkie_80 (F2), JalFarm20_78 (F1), James_69 (F1), Jant_69 (F1), Jennelsea_63 (F1), Jinglebell_71 (F1), Jobypre_66 (L3), JoeyJr_61 (F1), Jubie_65 (L3), Juice456_66 (F1), Juniper1_65 (F1), Karhdo_64 (F1), Kenuha5_63 (F1), Kersh_67 (F1), Kimberlium_70 (F1), KingMidas_65 (F1), Kingsley_63 (F1), Koella_59 (F1), Krakatau_62 (F1), KristaRAM_68 (F1), Krypton555_67 (L3), LastJedi_59 (F1), Leozinho_64 (F1), Leperchaun_58 (F1), LilMoolah_64 (F1), LittleShirley_65 (F1), Lizziana_71 (F1), Llama_70 (F1), Llij_61 (F1), Lolly9_65 (L3), Lorde_65 (F1), Lumos_67 (L3), LunaBlu_67 (F1), LunaStella_65 (F4), MadMen_65 (F1), Madiba_66 (F1), Mahavrat_62 (F1), Mandlovu_61 (F1), Mantra_62 (F1), Maravista_67 (F1), Marker_67 (F1), Martik_65 (F1), Mattes_69 (F1), Medindi_61 (F1), Melissauren88_63 (F1), MilleniumForce_68 (F1), MiniLon_69 (L3), MinionDave_64 (F1), Minnie_68 (F1), MisterCuddles_63 (F1), Modragons_69 (F1), Moonbeam_64 (F1), Mova_69 (F1), Mozy_75 (F1), Ms6_62 (F1), MsGreen_66 (L3), MulchExplorer_69 (F1), Mutaforma13_71 (F1), Nimbo_59 (F1), Nitzel_62 (F1), Nivrat_62 (F1), NormanBulbieJr_65 (F1), Ochi17_69 (F1), OfUltron_71 (F1), Ogopogo_71 (F1), OldBen_63 (F1), OlympiaSaint_67 (F1), Ovechkin_65 (F1), OwlsT2W_65 (F1), PHappiness_61 (F1), PMC_62 (F1), Pacc40_59 (F1), Peridot_64 (F1), Phalconet_63 (F1), Phanphagia_61 (F1), Phatniss_63 (F1), PhesterPhotato_65 (F1), Philus_69 (F1), PhlipPhlop_65 (F1), Pippy_64 (F1), Plumbus_68 (F1), Polka14_64 (F1), Pollywog_66 (F1), PopTart_59 (F1), Priscilla_65 (F1), QuickMath_69 (F1), Quico_73 (F1), Radiance_64 (F1), Ramsey_64 (F1), Red305_66 (L3), RedBird_64 (F1), Renaud18_75 (F4), Rialto_70 (F1), RitaG_61 (F1), Rita_66 (F1), Rockne_66 (F1), RockyHorror_66 (F1), Royals2015_68 (F1), Ruby_61 (F1), SG4_62 (F1), Saal_67 (F1), Samty_66 (L3), Sandalphon_66 (F1), Sarma624_64 (F1), Sassafras_64 (F1), SassyB_59 (F1), Scottish_64 (F1), Seabastian_71 (F1), Seagreen_64 (F1), Shauna1_63 (F1), ShiLan_64 (F1), ShowerHandel_68 (F1), SiSi_63 (F1), SilverChicken_75 (F2), Slim_67 (F1), Snenia_65 (L3), Soul22_71 (F2), Spartacus_67 (F1), Spikelee_72 (F1), Spoonbill_63 (F1), Squirty_67 (F3), StAnnes_63 (F1), Stap_63 (F1), Starcevich_65 (F1), Strokeseat_61 (F1), SuperGrey_69 (F1), SwagPigglett_70 (F1), TChen_67 (F4), Taj_70 (F1), Tchotchke_66 (F1), ThetaBob_73 (F4), Topiatin_72 (F1), Totinger_65 (F1), TriFive_67 (L3), Tweety_65 (F1), UncleRicky_64 (F1), VRedHorse_65 (F1), Velveteen_61 (F1), Veteran_62 (F1), Violac_66 (F1), Vivum_66 (F1), Wachhund_66 (F1), Wee_70 (F1), Whatsapiecost_65 (F1), Whirlwind_66 (L3), Whouxphf_62 (F1), WillSterrel_66 (F1), XFactor_63 (F1), Yorick_64 (F1), Yoshi_81 (F2), Zapner_79 (F2), Zerg_65 (F1), Zizzle_69 (F1),

Start 116:

• Found in 41 of 640 (6.4%) of genes in pham
• Manual Annotations of this start: 35 of 594
• Called 95.1% of time when present
• Phage (with cluster) where this start called: Aegeus_71 (L5), Antuna_42 (GA), Baudelaire_71 (L5), Blett_41 (GA), BritBrat_66 (CY2), Bush_42 (GA), Carrillo_43 (GA), CheeseTouch_74 (DN1), CookieDog_41 (GA), DelaGarza_58 (GF), Dulcita_67 (M1), Ecliptus_75 (DN), FreakyGoo_67 (M1), Gingerbug_57 (GF), Glaske16_67 (M1), Horus_72 (DN1), Izel_67 (M1), Jakelyne_43 (GA), Keelan_96 (DP), Kuwabara_72 (DN4), Lesiram_59 (GF), LitninMcQueen_71 (DN1), Mariel_42 (GA), MenE_42 (GA), MortyNRick_70 (DN), MrMagoo_76 (M2), NCRodriguez_42 (GA), ODay_78 (DN), PhaoMing_57 (UNK), Phingu_44 (GA), Phonegingi_41 (GA), ScoobySnack_38 (GA), Spooky_68 (DN2), Squiddly_73 (DN2), Sweetums_60 (GF), Teng_59 (GF), Violeta_43 (GA), Warren_41 (GA), Wrackline_71 (GF),

Start 117:
• Found in 7 of 640 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Amo99_93 (CP), ColdSoup_93 (CP), KingstonB_90 (CP),

Start 118:
• Found in 10 of 640 (1.6%) of genes in pham
• Manual Annotations of this start: 10 of 594
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Banquo_50 (CU1), Catfish_49 (CU5), DinoDaryn_52 (CU1), Goib_52 (CU1), Huffy_52 (CU1), Schmidt_45 (CU4), Splinter_51 (CU1), TZGordon_53 (CU1), TinaLin_50 (CU1), Vendetta_51 (CU1),

Start 119:
• Found in 2 of 640 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 50.0% of time when present
• Phage (with cluster) where this start called: MooMoo_66 (singleton),

Start 120:
• Found in 9 of 640 (1.4%) of genes in pham
• Manual Annotations of this start: 5 of 594
• Called 55.6% of time when present
• Phage (with cluster) where this start called: Aleemily_105 (DZ), Cafasso_107 (DZ), ModicumRichard_107 (DZ), Morgana_114 (DZ), ObLaDi_106 (DZ),

Start 121:
• Found in 1 of 640 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tonitrus_70 (singleton),

Start 122:
• Found in 160 of 640 (25.0%) of genes in pham
• Manual Annotations of this start: 149 of 594
• Called 100.0% of time when present

• Phage (with cluster) where this start called: 244_78 (E), ABCat_74 (E), Adnama_81 (E), Amao_77 (E), AmericanBeauty_81 (E), Argent26_81 (E), Asriel_76 (E), AvadaKedavra_66 (L1), BaboJay_74 (E), BadStone_74 (E), Balomoji_77 (E), Barbarian_76 (E), Bask21_77 (E), Becksu_76 (E), Beem_125 (J), Bench_80 (E), BigBubba_77 (E), BilboSwaggins_75 (E), Bogg_77 (E), Brewer_73 (E), Bruin_74 (E), Buck_78 (E), Budgie_83 (E), BugsBunny_77 (E), Cactus_80 (E), ChosenOne_77 (E), ChotaBhai_77 (E), Cjw1_77 (E), Command613_79 (E), Constella_107 (J), Contagion_73 (E), Cookies_74 (E), CrystalP_76 (E), Czyszczon1_78 (E), Daikon_79 (E), Dallas_124 (J), DoctorDiddles_76 (E), Dove_109 (J), DrDrey_77 (E), Dumbo_77 (E), Dusk_74 (E), Easy2Say_78 (E), Elite2014_76 (E), Elph10_77 (E), Emmina_77 (E), Eureka_75 (E), FairyPath_78 (E), Filch_78 (E), FireRed_81 (E), Flypotenuse_73 (E), FoghornLeghorn_71 (E), Gage_79 (E), Gator_75 (E), Gemini_82 (E), Glexan_76 (E), Goku_75 (E), GoldenSpark_81 (E), Goldilocks_80 (E), GooberAzure_80 (E), Greep_81 (E), HanKaySha_77 (E), Harella_77 (E), Henry_75 (E), Highbury_76 (E), Holt_82 (E), Hoonter_80 (E), Hopey_77 (E), HufflyPuff_80 (E), IHOP_75 (E), Icee_78 (E), Inca_74 (E), JeTaime_77 (E), JuicyJay_120 (J), Kanye_74 (E), Kimchi_81 (E), Kostya_77 (E), Lilac_79 (E), Lilizi_78 (E), Lilpickle_76 (E), Livelaughbron_79 (E), MISSy_78 (E), MPhalcon_78 (E), MadamMonkfish_77 (E), Manda_78 (E), Marshmallow_75 (E), Maxxinista_79 (E), Megan_52 (EC), MiaZeal_118 (J), Mindy_76 (E), Miniwave_72 (E), Misfit_78 (E), Moldemort_80 (E), MollyToe_72 (E), Mosby_73 (E), Murica_80 (E), Murphy_77 (E), Myrale_77 (E), Nala_79 (E), NelitzaMV_75 (E), Nicole72_53 (EC), NihilNomen_125 (J), Nimrod_78 (E), NoSleep_78 (E), NonchalantPear_77 (E), OrionPax_76 (E), PaddyBaddy_77 (E), Palpatine_79 (E), Paperbeatsrock_76 (E), Pat3_75 (E), Petra64142_81 (E), Phaja_75 (E), Pharsalus_74 (E), PhatBacter_81 (E), Phaux_79 (E), Phoebus_124 (J), Phrux_74 (E), Policronamos_80 (E), Porky_76 (E), Ptowny_74 (E), Pumpkin_80 (E), Quallification_78 (E), Rakim_78 (E), Rimmer_78 (E), RiverMonster_77 (E), Rose5_66 (L1), Saints25_76 (E), Sassay_72 (E), ShamWow_77 (E), Simpliphy_76 (E), SirDuracell_76 (E), SophKB_74 (E), Sotrice96_78 (E), Stank_80 (E), Stark_78 (E), StellaBean_75 (E), StolenFromERC_80 (E), StormChicken_79 (E), TBrady12_80 (E), Tarkin_76 (E), TeamEdward_79 (E), TeardropMSU_73 (E), Teaspoon_78 (E), Terminus_80 (E), Thibault_106 (J), Thimble_78 (E), Thresher_79 (E), Tomaszewski_72 (E), Toto_75 (E), Traaww1_73 (E), Tuco_78 (E), Tyson_67 (L1), Ukulele_72 (E), Wamburgrxpress_66 (L1), Wiggin_79 (E), Willez_72 (E), Wyatt2_67 (L1), Xandras_76 (E), YassJohnny_74 (E), Youngblood_80 (E), xkcd_80 (E),

Start 123:
• Found in 27 of 640 (4.2%) of genes in pham
• Manual Annotations of this start: 25 of 594
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariel_118 (J), BAKA_122 (J), Bagrid_123 (J), Bobby_115 (J), Colossa_116 (KA), Courthouse_113 (J), DmpstrDiver_123 (J), Duke13_117 (J), Ejimix_117 (J), EricMillard_114 (J), Gonephishing_112 (J), Halley_125 (J), Hidrated_105 (J), Hughesyang_122 (J), Kalah2_114 (J), Klein_119 (J), LittleE_122 (J), Minerva_120 (J), Optimus_113 (J), Pound_112 (J), Redno2_116 (J), Squint_116 (J), Superphikiman_115 (J), ThreeRngTarjay_118 (J), VanLee_116 (KA), Wanda_122 (J), Zelink_117 (J),

Start 124:
• Found in 6 of 640 (0.9%) of genes in pham
• Manual Annotations of this start: 5 of 594
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BearBQ_70 (DN), BotCity_75 (DN), GAL1_54 (singleton), Gaia_85 (X), Nebkiss_84 (X), Phabuloso_75 (DN1),

Start 125:
• Found in 4 of 640 (0.6%) of genes in pham
• Manual Annotations of this start: 4 of 594
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_95 (DP), Guey18_100 (DP), Ronaldo_98 (DP), Volt_99 (DP),

Start 126:
• Found in 25 of 640 (3.9%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 20.0% of time when present
• Phage (with cluster) where this start called: AdoptaAdorbs_29 (AS3), Camara_30 (AS3), KHumphrey_30 (AS3), Oppalora_29 (AS3), Rattail_30 (AS3),

Start 127:
• Found in 10 of 640 (1.6%) of genes in pham
• Manual Annotations of this start: 6 of 594
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altostratus_54 (FS), Hum25_55 (FQ1), Khuang_54 (FS), Merpity_54 (FQ1), MrSmee_53 (FQ1), Neroxid_50 (FQ2), Pitbull_53 (FQ1), Raya_50 (FQ2), Skitty_47 (FQ1), Skyerus_45 (FQ2),

Start 132:
• Found in 6 of 640 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 16.7% of time when present
• Phage (with cluster) where this start called: JustASigh_98 (AH),

Start 133:
• Found in 33 of 640 (5.2%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 3.0% of time when present
• Phage (with cluster) where this start called: Inventum_61 (F1),

Start 134:
• Found in 17 of 640 (2.7%) of genes in pham
• Manual Annotations of this start: 1 of 594
• Called 5.9% of time when present
• Phage (with cluster) where this start called: MiniMac_69 (L3),

Summary by clusters:

There are 47 clusters represented in this pham: DN, singleton, FS, GA, CY2, V, M1, CU4, M2, EI, DP, CU5, UNK, CU1, DN4, DN1, DN2, DU1, DU2, AS3, AS2, E, F, AH, J, F2, EC, AL, GF, S, L5, L2, L3, W, L1, Y, X, CP, ES, F1, KA, F3, F4, F5, FQ2, DZ, FQ1,

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

Info for manual annotations of cluster AL:
•Start number 89 was manually annotated 9 times for cluster AL.

Info for manual annotations of cluster AS2:
•Start number 78 was manually annotated 1 time for cluster AS2.
•Start number 97 was manually annotated 14 times for cluster AS2.
•Start number 102 was manually annotated 3 times for cluster AS2.
•Start number 106 was manually annotated 1 time for cluster AS2.

Info for manual annotations of cluster AS3:
•Start number 97 was manually annotated 16 times for cluster AS3.
•Start number 106 was manually annotated 1 time for cluster AS3.
•Start number 126 was manually annotated 1 time for cluster AS3.

Info for manual annotations of cluster CP:
•Start number 91 was manually annotated 1 time for cluster CP.
•Start number 109 was manually annotated 5 times for cluster CP.
•Start number 117 was manually annotated 1 time for cluster CP.

Info for manual annotations of cluster CU1:
•Start number 118 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU4:
•Start number 118 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 118 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CY2:
•Start number 116 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster DN:
•Start number 116 was manually annotated 3 times for cluster DN.
•Start number 124 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 116 was manually annotated 3 times for cluster DN1.
•Start number 124 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 116 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN4:
•Start number 116 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DP:
•Start number 116 was manually annotated 1 time for cluster DP.
•Start number 125 was manually annotated 4 times for cluster DP.

Info for manual annotations of cluster DU1:
•Start number 72 was manually annotated 2 times for cluster DU1.
•Start number 106 was manually annotated 1 time for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 108 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster DZ:
•Start number 120 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster E:
•Start number 122 was manually annotated 133 times for cluster E.

Info for manual annotations of cluster EC:
•Start number 122 was manually annotated 2 times for cluster EC.

Info for manual annotations of cluster EI:
•Start number 111 was manually annotated 1 time for cluster EI.
•Start number 112 was manually annotated 5 times for cluster EI.
•Start number 114 was manually annotated 1 time for cluster EI.

Info for manual annotations of cluster F1:
•Start number 115 was manually annotated 210 times for cluster F1.
•Start number 133 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:
•Start number 115 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:
•Start number 115 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:
•Start number 115 was manually annotated 4 times for cluster F4.

Info for manual annotations of cluster F5:
•Start number 115 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster FQ1:
•Start number 127 was manually annotated 4 times for cluster FQ1.

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

Info for manual annotations of cluster GA:
•Start number 116 was manually annotated 11 times for cluster GA.

Info for manual annotations of cluster GF:
•Start number 116 was manually annotated 6 times for cluster GF.

Info for manual annotations of cluster J:
•Start number 93 was manually annotated 1 time for cluster J.
•Start number 95 was manually annotated 1 time for cluster J.
•Start number 122 was manually annotated 9 times for cluster J.
•Start number 123 was manually annotated 23 times for cluster J.

Info for manual annotations of cluster KA:
•Start number 123 was manually annotated 2 times for cluster KA.

Info for manual annotations of cluster L1:
•Start number 122 was manually annotated 5 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 115 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L3:
•Start number 115 was manually annotated 15 times for cluster L3.
•Start number 134 was manually annotated 1 time for cluster L3.

Info for manual annotations of cluster L5:
•Start number 116 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:
•Start number 116 was manually annotated 4 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 116 was manually annotated 1 time for cluster M2.

Info for manual annotations of cluster S:
•Start number 96 was manually annotated 20 times for cluster S.

Info for manual annotations of cluster UNK:
•Start number 110 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster V:
•Start number 98 was manually annotated 5 times for cluster V.

Info for manual annotations of cluster W:
•Start number 113 was manually annotated 8 times for cluster W.

Info for manual annotations of cluster X:
•Start number 124 was manually annotated 2 times for cluster X.

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

Gene Information:

Gene: 244_78 Start: 48609, Stop: 48926, Start Num: 122
Candidate Starts for 244_78:
(46, 48426), (Start: 122 @48609 has 149 MA's), (173, 48750),

Gene: ABCat_74 Start: 48962, Stop: 49279, Start Num: 122
Candidate Starts for ABCat_74:
(46, 48779), (Start: 122 @48962 has 149 MA's), (173, 49103),

Gene: Adnama_81 Start: 48988, Stop: 49305, Start Num: 122
Candidate Starts for Adnama_81:
(46, 48805), (Start: 122 @48988 has 149 MA's), (173, 49129),

Gene: AdoptaAdorbs_29 Start: 20838, Stop: 20518, Start Num: 126
Candidate Starts for AdoptaAdorbs_29:
(2, 21273), (25, 21123), (71, 20928), (Start: 97 @20871 has 30 MA's), (Start: 126 @20838 has 1 MA's), (160, 20742),

Gene: Aegeus_71 Start: 46495, Stop: 46824, Start Num: 116
Candidate Starts for Aegeus_71:
(Start: 116 @46495 has 35 MA's), (158, 46579), (194, 46717), (202, 46744), (208, 46750), (216, 46774), (233, 46813),

Gene: Aleemily_105 Start: 59933, Stop: 60322, Start Num: 120
Candidate Starts for Aleemily_105:
(11, 59546), (12, 59558), (31, 59657), (Start: 120 @59933 has 5 MA's), (139, 59966), (146, 59987), (187, 60134), (197, 60164), (209, 60188),

Gene: AlexMinion_30 Start: 21060, Stop: 20707, Start Num: 97
Candidate Starts for AlexMinion_30:
(25, 21312), (71, 21117), (Start: 97 @21060 has 30 MA's), (Start: 126 @21027 has 1 MA's), (160, 20931), (174, 20880),

Gene: Alexphander_69 Start: 42282, Stop: 42644, Start Num: 115
Candidate Starts for Alexphander_69:
(Start: 115 @42282 has 239 MA's), (216, 42582), (236, 42627),

Gene: AlpineSix_71 Start: 45319, Stop: 45681, Start Num: 115
Candidate Starts for AlpineSix_71:
(Start: 115 @45319 has 239 MA's), (183, 45523), (216, 45619), (236, 45664),

Gene: Altostratus_54 Start: 31416, Stop: 31790, Start Num: 127
Candidate Starts for Altostratus_54:
(Start: 127 @31416 has 6 MA's), (174, 31569), (237, 31749), (242, 31761),

Gene: Amao_77 Start: 48382, Stop: 48699, Start Num: 122
Candidate Starts for Amao_77:
(46, 48199), (Start: 122 @48382 has 149 MA's), (Start: 134 @48406 has 1 MA's), (173, 48523),

Gene: Amelia_32 Start: 21518, Stop: 21165, Start Num: 97
Candidate Starts for Amelia_32:
(45, 21644), (54, 21605), (Start: 97 @21518 has 30 MA's), (160, 21389), (172, 21344), (210, 21224),

Gene: AmericanBeauty_81 Start: 49131, Stop: 49448, Start Num: 122
Candidate Starts for AmericanBeauty_81:
(46, 48948), (Start: 122 @49131 has 149 MA's), (173, 49272),

Gene: AmiCi24_29 Start: 20870, Stop: 20517, Start Num: 97
Candidate Starts for AmiCi24_29:
(2, 21272), (25, 21122), (71, 20927), (Start: 97 @20870 has 30 MA's), (Start: 126 @20837 has 1 MA's), (160, 20741),

Gene: Amo99_93 Start: 57523, Stop: 57891, Start Num: 117
Candidate Starts for Amo99_93:
(36, 57298), (Start: 109 @57511 has 5 MA's), (Start: 117 @57523 has 1 MA's), (200, 57772), (206, 57781), (214, 57805), (217, 57811), (238, 57853),

Gene: Amphitrite_30 Start: 20869, Stop: 20516, Start Num: 97
Candidate Starts for Amphitrite_30:
(2, 21271), (25, 21121), (71, 20926), (Start: 97 @20869 has 30 MA's), (Start: 126 @20836 has 1 MA's), (160, 20740),

Gene: Andrew_31 Start: 20815, Stop: 20462, Start Num: 106
Candidate Starts for Andrew_31:
(3, 21166), (71, 20890), (Start: 106 @20815 has 3 MA's), (160, 20686), (210, 20521),

Gene: Antrice_34 Start: 22599, Stop: 22243, Start Num: 102
Candidate Starts for Antrice_34:
(45, 22743), (71, 22668), (Start: 102 @22599 has 3 MA's), (Start: 126 @22563 has 1 MA's), (154, 22491), (160, 22467),

Gene: Antuna_42 Start: 25698, Stop: 26075, Start Num: 116
Candidate Starts for Antuna_42:
(Start: 116 @25698 has 35 MA's), (147, 25761), (156, 25788), (202, 25962), (209, 25968), (216, 25989), (246, 26064),

Gene: ApoKipo_94 Start: 54798, Stop: 55154, Start Num: 89
Candidate Starts for ApoKipo_94:
(Start: 89 @54798 has 9 MA's), (107, 54840), (161, 54966), (174, 55017), (183, 55041), (203, 55113),

Gene: Archie_67 Start: 46551, Stop: 46892, Start Num: 115
Candidate Starts for Archie_67:
(Start: 115 @46551 has 239 MA's), (172, 46698),

Gene: ArcusAngelus_67 Start: 42632, Stop: 42994, Start Num: 115
Candidate Starts for ArcusAngelus_67:
(Start: 115 @42632 has 239 MA's), (171, 42791), (216, 42932), (218, 42935), (236, 42977),

Gene: Ardmore_57 Start: 40049, Stop: 40405, Start Num: 115
Candidate Starts for Ardmore_57:
(Start: 115 @40049 has 239 MA's), (216, 40349), (218, 40352),

Gene: Argent26_81 Start: 48769, Stop: 49086, Start Num: 122
Candidate Starts for Argent26_81:
(46, 48586), (Start: 122 @48769 has 149 MA's), (173, 48910),

Gene: Argie_53 Start: 44207, Stop: 44548, Start Num: 113
Candidate Starts for Argie_53:
(Start: 113 @44207 has 9 MA's), (144, 44261), (148, 44276), (152, 44294), (172, 44360), (177, 44378), (188, 44432), (207, 44477), (216, 44498), (225, 44522), (226, 44525),

Gene: Ariel_118 Start: 64179, Stop: 64499, Start Num: 123
Candidate Starts for Ariel_118:
(Start: 123 @64179 has 25 MA's), (150, 64248), (163, 64290), (194, 64407),

Gene: Asriel_76 Start: 47325, Stop: 47642, Start Num: 122
Candidate Starts for Asriel_76:
(46, 47142), (Start: 122 @47325 has 149 MA's), (173, 47466),

Gene: Atlantica_30 Start: 20871, Stop: 20518, Start Num: 97
Candidate Starts for Atlantica_30:
(2, 21273), (25, 21123), (71, 20928), (Start: 97 @20871 has 30 MA's), (Start: 126 @20838 has 1 MA's), (160, 20742),

Gene: Aubs_65 Start: 42690, Stop: 43052, Start Num: 115
Candidate Starts for Aubs_65:
(59, 42573), (Start: 115 @42690 has 239 MA's), (171, 42849), (216, 42990), (236, 43035),

Gene: AuntGwenStacy_65 Start: 45161, Stop: 45511, Start Num: 99
Candidate Starts for AuntGwenStacy_65:
(70, 45089), (82, 45119), (Start: 99 @45161 has 6 MA's), (Start: 110 @45176 has 1 MA's), (Start: 120 @45194 has 5 MA's), (144, 45242), (146, 45248), (158, 45284), (183, 45368), (184, 45374), (189, 45404), (205, 45437),

Gene: AvadaKedavra_66 Start: 45153, Stop: 45521, Start Num: 122
Candidate Starts for AvadaKedavra_66:
(Start: 122 @45153 has 149 MA's), (140, 45180), (161, 45249), (167, 45270), (173, 45294), (194, 45375), (219, 45438), (248, 45513),

Gene: Avani_73 Start: 42666, Stop: 43022, Start Num: 115
Candidate Starts for Avani_73:
(Start: 115 @42666 has 239 MA's), (216, 42966), (218, 42969),

Gene: Azaz_30 Start: 20943, Stop: 20590, Start Num: 97
Candidate Starts for Azaz_30:
(25, 21195), (71, 21000), (Start: 97 @20943 has 30 MA's), (Start: 126 @20910 has 1 MA's), (160, 20814), (174, 20763),

Gene: Azrael100_76 Start: 48787, Stop: 49152, Start Num: 98
Candidate Starts for Azrael100_76:
(74, 48724), (Start: 98 @48787 has 5 MA's), (178, 48979), (216, 49099), (231, 49132),

Gene: BAKA_122 Start: 67774, Stop: 68106, Start Num: 123
Candidate Starts for BAKA_122:
(Start: 123 @67774 has 25 MA's), (150, 67843), (176, 67933), (177, 67936), (194, 68002),

Gene: BaboJay_74 Start: 48162, Stop: 48479, Start Num: 122
Candidate Starts for BaboJay_74:
(46, 47979), (Start: 122 @48162 has 149 MA's), (173, 48303),

Gene: Babushka_27 Start: 20785, Stop: 20432, Start Num: 97
Candidate Starts for Babushka_27:
(25, 21037), (71, 20842), (Start: 97 @20785 has 30 MA's), (Start: 126 @20752 has 1 MA's), (160, 20656), (174, 20605), (210, 20491), (219, 20467),

Gene: BadStone_74 Start: 48531, Stop: 48848, Start Num: 122
Candidate Starts for BadStone_74:
(46, 48348), (Start: 122 @48531 has 149 MA's), (173, 48672),

Gene: BadWillHunting_33 Start: 21509, Stop: 21156, Start Num: 97
Candidate Starts for BadWillHunting_33:
(45, 21635), (54, 21596), (Start: 97 @21509 has 30 MA's), (160, 21380), (164, 21362), (172, 21335), (210, 21215),

Gene: Bagrid_123 Start: 67735, Stop: 68064, Start Num: 123
Candidate Starts for Bagrid_123:
(Start: 123 @67735 has 25 MA's), (150, 67804), (194, 67963), (227, 68047),

Gene: Balomoji_77 Start: 49092, Stop: 49409, Start Num: 122
Candidate Starts for Balomoji_77:
(46, 48909), (Start: 122 @49092 has 149 MA's), (173, 49233),

Gene: Banquo_50 Start: 32516, Stop: 32896, Start Num: 118
Candidate Starts for Banquo_50:
(Start: 118 @32516 has 10 MA's), (146, 32579), (163, 32639), (194, 32756), (209, 32795), (219, 32822), (238, 32864),

Gene: Barbarian_76 Start: 47325, Stop: 47642, Start Num: 122
Candidate Starts for Barbarian_76:
(46, 47142), (Start: 122 @47325 has 149 MA's), (173, 47466),

Gene: Bask21_77 Start: 47945, Stop: 48262, Start Num: 122
Candidate Starts for Bask21_77:
(46, 47762), (Start: 122 @47945 has 149 MA's), (Start: 134 @47969 has 1 MA's), (173, 48086),

Gene: Batiatus_63 Start: 41925, Stop: 42281, Start Num: 115
Candidate Starts for Batiatus_63:
(Start: 115 @41925 has 239 MA's), (216, 42225), (218, 42228),

Gene: Baudelaire_71 Start: 46495, Stop: 46824, Start Num: 116
Candidate Starts for Baudelaire_71:
(Start: 116 @46495 has 35 MA's), (158, 46579), (194, 46717), (202, 46744), (208, 46750), (216, 46774), (233, 46813),

Gene: Beakin_66 Start: 41229, Stop: 41591, Start Num: 115
Candidate Starts for Beakin_66:
(Start: 115 @41229 has 239 MA's), (171, 41388), (216, 41529), (218, 41532), (236, 41574),

Gene: Beanstalk_63 Start: 40680, Stop: 41042, Start Num: 115
Candidate Starts for Beanstalk_63:
(Start: 115 @40680 has 239 MA's), (171, 40839), (216, 40980), (236, 41025),

Gene: BearBQ_70 Start: 44365, Stop: 44712, Start Num: 124
Candidate Starts for BearBQ_70:
(65, 44251), (Start: 106 @44341 has 3 MA's), (Start: 124 @44365 has 5 MA's), (Start: 133 @44386 has 1 MA's), (142, 44404), (144, 44413), (163, 44488), (194, 44605), (205, 44635), (218, 44665), (229, 44692), (236, 44704),

Gene: Becksu_76 Start: 49161, Stop: 49478, Start Num: 122
Candidate Starts for Becksu_76:
(46, 48978), (Start: 122 @49161 has 149 MA's), (173, 49302),

Gene: Bedetta_34 Start: 21656, Stop: 21303, Start Num: 97
Candidate Starts for Bedetta_34:
(45, 21782), (54, 21743), (Start: 97 @21656 has 30 MA's), (160, 21527), (172, 21482), (210, 21362),

Gene: Beelzebub_73 Start: 40109, Stop: 40462, Start Num: 96
Candidate Starts for Beelzebub_73:
(Start: 96 @40109 has 20 MA's), (Start: 112 @40136 has 5 MA's), (168, 40271), (180, 40301), (189, 40352), (193, 40358), (197, 40373), (209, 40391), (215, 40415), (216, 40418),

Gene: Beem_125 Start: 69590, Stop: 69922, Start Num: 122
Candidate Starts for Beem_125:
(Start: 122 @69590 has 149 MA's), (165, 69701), (169, 69725), (229, 69905),

Gene: Bellis_66 Start: 46470, Stop: 46802, Start Num: 115
Candidate Starts for Bellis_66:
(30, 46194), (32, 46206), (34, 46215), (35, 46239), (51, 46317), (64, 46365), (Start: 115 @46470 has 239 MA's), (172, 46614), (194, 46698), (209, 46731),

Gene: Bench_80 Start: 48629, Stop: 48946, Start Num: 122
Candidate Starts for Bench_80:
(46, 48446), (Start: 122 @48629 has 149 MA's), (173, 48770),

Gene: BigBubba_77 Start: 48341, Stop: 48658, Start Num: 122
Candidate Starts for BigBubba_77:
(46, 48158), (Start: 122 @48341 has 149 MA's), (173, 48482),

Gene: BigPhil_62 Start: 39148, Stop: 39510, Start Num: 115
Candidate Starts for BigPhil_62:
(Start: 115 @39148 has 239 MA's), (171, 39307), (183, 39352), (216, 39448), (218, 39451), (236, 39493),

Gene: BilboSwaggins_75 Start: 48970, Stop: 49287, Start Num: 122
Candidate Starts for BilboSwaggins_75:
(46, 48787), (Start: 122 @48970 has 149 MA's), (173, 49111),

Gene: Bipolar_65 Start: 42690, Stop: 43052, Start Num: 115
Candidate Starts for Bipolar_65:
(Start: 115 @42690 has 239 MA's), (171, 42849), (216, 42990), (236, 43035),

Gene: Bipper_62 Start: 43632, Stop: 43982, Start Num: 99
Candidate Starts for Bipper_62:
(29, 43371), (45, 43479), (48, 43488), (70, 43560), (82, 43590), (Start: 99 @43632 has 6 MA's), (Start: 110 @43647 has 1 MA's), (Start: 119 @43662 has 1 MA's), (129, 43680), (144, 43713), (158, 43755), (188, 43869), (216, 43935),

Gene: Blackbeetle_69 Start: 39121, Stop: 39474, Start Num: 96
Candidate Starts for Blackbeetle_69:
(Start: 96 @39121 has 20 MA's), (Start: 112 @39148 has 5 MA's), (168, 39283), (180, 39313), (189, 39364), (193, 39370), (197, 39385), (209, 39403), (215, 39427), (216, 39430),

Gene: Blarby_78 Start: 44162, Stop: 44503, Start Num: 115
Candidate Starts for Blarby_78:

(Start: 99 @44147 has 6 MA's), (Start: 115 @44162 has 239 MA's), (216, 44462), (218, 44465),

Gene: Blett_41 Start: 25800, Stop: 26177, Start Num: 116
Candidate Starts for Blett_41:
(Start: 116 @25800 has 35 MA's), (147, 25863), (156, 25890), (173, 25956), (202, 26064), (209, 26070), (216, 26091), (246, 26166),

Gene: Blexus_63 Start: 42819, Stop: 43181, Start Num: 115
Candidate Starts for Blexus_63:
(Start: 115 @42819 has 239 MA's), (171, 42978), (216, 43119), (236, 43164),

Gene: BlueCrab_66 Start: 43528, Stop: 43884, Start Num: 115
Candidate Starts for BlueCrab_66:
(Start: 115 @43528 has 239 MA's), (175, 43702), (216, 43828),

Gene: BobaPhett_69 Start: 45114, Stop: 45476, Start Num: 115
Candidate Starts for BobaPhett_69:
(Start: 115 @45114 has 239 MA's), (171, 45273), (175, 45288), (216, 45414), (236, 45459),

Gene: Bobby_115 Start: 69193, Stop: 69522, Start Num: 123
Candidate Starts for Bobby_115:
(Start: 123 @69193 has 25 MA's), (150, 69262), (176, 69352), (177, 69355), (194, 69421), (227, 69505),

Gene: Bobi_69 Start: 43528, Stop: 43884, Start Num: 115
Candidate Starts for Bobi_69:
(Start: 115 @43528 has 239 MA's), (216, 43828), (218, 43831),

Gene: BodEinwohner17_66 Start: 42524, Stop: 42886, Start Num: 115
Candidate Starts for BodEinwohner17_66:
(61, 42419), (64, 42425), (Start: 89 @42479 has 9 MA's), (Start: 115 @42524 has 239 MA's), (Start: 133 @42557 has 1 MA's), (216, 42824), (218, 42827), (236, 42869),

Gene: Bogg_77 Start: 47908, Stop: 48225, Start Num: 122
Candidate Starts for Bogg_77:
(46, 47725), (Start: 122 @47908 has 149 MA's), (173, 48049),

Gene: Boomer_70 Start: 44186, Stop: 44542, Start Num: 115
Candidate Starts for Boomer_70:
(Start: 115 @44186 has 239 MA's), (216, 44486), (218, 44489),

Gene: BotCity_75 Start: 44601, Stop: 44948, Start Num: 124
Candidate Starts for BotCity_75:
(65, 44487), (Start: 106 @44577 has 3 MA's), (Start: 124 @44601 has 5 MA's), (Start: 133 @44622 has 1 MA's), (142, 44640), (144, 44649), (163, 44724), (194, 44841), (205, 44871), (218, 44901), (229, 44928), (236, 44940),

Gene: BourbonZero_66 Start: 46515, Stop: 46847, Start Num: 115
Candidate Starts for BourbonZero_66:
(64, 46410), (Start: 115 @46515 has 239 MA's), (167, 46638), (174, 46665), (194, 46743), (210, 46779), (225, 46824),

Gene: Brewer_73 Start: 47431, Stop: 47748, Start Num: 122

Candidate Starts for Brewer_73:
(46, 47248), (Start: 122 @47431 has 149 MA's), (173, 47572),

Gene: BritBrat_66 Start: 43849, Stop: 44178, Start Num: 116
Candidate Starts for BritBrat_66:
(62, 43735), (Start: 99 @43825 has 6 MA's), (Start: 116 @43849 has 35 MA's), (167, 43963), (172, 43984), (194, 44068), (202, 44092), (231, 44158), (239, 44170),

Gene: Brocalys_60 Start: 39296, Stop: 39658, Start Num: 115
Candidate Starts for Brocalys_60:
(59, 39179), (Start: 115 @39296 has 239 MA's), (171, 39455), (216, 39596), (236, 39641),

Gene: Brookers_63 Start: 42099, Stop: 42461, Start Num: 115
Candidate Starts for Brookers_63:
(Start: 115 @42099 has 239 MA's), (171, 42258), (183, 42303), (216, 42399), (218, 42402), (236, 42444),

Gene: Bruin_74 Start: 47505, Stop: 47822, Start Num: 122
Candidate Starts for Bruin_74:
(46, 47322), (Start: 122 @47505 has 149 MA's), (173, 47646),

Gene: Brushbloom_67 Start: 42857, Stop: 43213, Start Num: 115
Candidate Starts for Brushbloom_67:
(Start: 115 @42857 has 239 MA's), (216, 43157), (218, 43160),

Gene: Buck_78 Start: 49210, Stop: 49527, Start Num: 122
Candidate Starts for Buck_78:
(46, 49027), (Start: 122 @49210 has 149 MA's), (173, 49351),

Gene: Budgie_83 Start: 49000, Stop: 49317, Start Num: 122
Candidate Starts for Budgie_83:
(4, 48439), (5, 48445), (6, 48532), (46, 48817), (Start: 122 @49000 has 149 MA's), (Start: 134 @49024 has 1 MA's), (173, 49141),

Gene: BugsBunny_77 Start: 49037, Stop: 49354, Start Num: 122
Candidate Starts for BugsBunny_77:
(46, 48854), (Start: 122 @49037 has 149 MA's), (173, 49178),

Gene: Burwell21_63 Start: 42397, Stop: 42759, Start Num: 115
Candidate Starts for Burwell21_63:
(59, 42280), (Start: 115 @42397 has 239 MA's), (171, 42556), (216, 42697), (236, 42742),

Gene: Bush_42 Start: 25748, Stop: 26125, Start Num: 116
Candidate Starts for Bush_42:
(Start: 116 @25748 has 35 MA's), (147, 25811), (156, 25838), (173, 25904), (202, 26012), (209, 26018), (216, 26039), (246, 26114),

Gene: BuzzLyseyear_71 Start: 43599, Stop: 43961, Start Num: 115
Candidate Starts for BuzzLyseyear_71:
(Start: 115 @43599 has 239 MA's), (171, 43758), (216, 43899), (218, 43902), (236, 43944),

Gene: ByChance_58 Start: 38456, Stop: 38818, Start Num: 115
Candidate Starts for ByChance_58:

(Start: 115 @38456 has 239 MA's), (171, 38615), (175, 38630), (216, 38756), (236, 38801),

Gene: Byougenkin_65 Start: 42188, Stop: 42544, Start Num: 115
Candidate Starts for Byougenkin_65:
(Start: 115 @42188 has 239 MA's), (216, 42488), (218, 42491),

Gene: Cabrinians_66 Start: 42475, Stop: 42837, Start Num: 115
Candidate Starts for Cabrinians_66:
(Start: 115 @42475 has 239 MA's), (175, 42649), (216, 42775), (236, 42820),

Gene: Cactus_80 Start: 47986, Stop: 48303, Start Num: 122
Candidate Starts for Cactus_80:
(46, 47803), (Start: 122 @47986 has 149 MA's), (173, 48127),

Gene: Cafasso_107 Start: 60484, Stop: 60873, Start Num: 120
Candidate Starts for Cafasso_107:
(11, 60097), (12, 60109), (Start: 120 @60484 has 5 MA's), (139, 60517), (146, 60538), (187, 60685), (197, 60715),

Gene: Camara_30 Start: 20839, Stop: 20519, Start Num: 126
Candidate Starts for Camara_30:
(2, 21274), (25, 21124), (71, 20929), (Start: 97 @20872 has 30 MA's), (Start: 126 @20839 has 1 MA's), (160, 20743),

Gene: Caprice_68 Start: 39435, Stop: 39788, Start Num: 96
Candidate Starts for Caprice_68:
(Start: 96 @39435 has 20 MA's), (Start: 112 @39462 has 5 MA's), (168, 39597), (180, 39627), (189, 39678), (193, 39684), (197, 39699), (209, 39717), (215, 39741), (216, 39744),

Gene: CaptainTrips_63 Start: 42210, Stop: 42572, Start Num: 115
Candidate Starts for CaptainTrips_63:
(59, 42093), (Start: 115 @42210 has 239 MA's), (171, 42369), (216, 42510), (236, 42555),

Gene: Carrillo_43 Start: 25721, Stop: 26098, Start Num: 116
Candidate Starts for Carrillo_43:
(Start: 116 @25721 has 35 MA's), (147, 25784), (156, 25811), (171, 25871), (202, 25985), (209, 25991), (246, 26087),

Gene: Catfish_49 Start: 34051, Stop: 34401, Start Num: 118
Candidate Starts for Catfish_49:
(Start: 118 @34051 has 10 MA's), (135, 34084), (163, 34174), (170, 34198), (205, 34324), (230, 34384),

Gene: Cepens_52 Start: 43922, Stop: 44263, Start Num: 113
Candidate Starts for Cepens_52:
(Start: 113 @43922 has 9 MA's), (144, 43976), (148, 43991), (152, 44009), (172, 44075), (177, 44093), (188, 44147), (207, 44192), (216, 44213), (225, 44237), (226, 44240),

Gene: Cerasum_62 Start: 39166, Stop: 39528, Start Num: 115
Candidate Starts for Cerasum_62:
(Start: 115 @39166 has 239 MA's), (171, 39325), (183, 39370), (216, 39466), (218, 39469), (236, 39511),

Gene: Che8_70 Start: 45095, Stop: 45457, Start Num: 115
Candidate Starts for Che8_70:
(Start: 115 @45095 has 239 MA's), (171, 45254), (216, 45395), (218, 45398), (236, 45440),

Gene: Che9d_75 Start: 42864, Stop: 43220, Start Num: 115
Candidate Starts for Che9d_75:
(Start: 115 @42864 has 239 MA's), (171, 43023), (216, 43164), (218, 43167),

Gene: CheeseTouch_74 Start: 39429, Stop: 39758, Start Num: 116
Candidate Starts for CheeseTouch_74:
(Start: 116 @39429 has 35 MA's), (167, 39543), (172, 39564), (194, 39648), (202, 39672), (219, 39711), (231, 39738), (239, 39750),

Gene: Cheesepuff_74 Start: 44480, Stop: 44842, Start Num: 115
Candidate Starts for Cheesepuff_74:
(Start: 115 @44480 has 239 MA's), (171, 44639), (216, 44780), (236, 44825),

Gene: Chevrolet_70 Start: 42633, Stop: 42995, Start Num: 115
Candidate Starts for Chevrolet_70:
(Start: 115 @42633 has 239 MA's), (216, 42933), (218, 42936), (236, 42978),

Gene: ChosenOne_77 Start: 47986, Stop: 48303, Start Num: 122
Candidate Starts for ChosenOne_77:
(46, 47803), (Start: 122 @47986 has 149 MA's), (173, 48127),

Gene: ChotaBhai_77 Start: 48310, Stop: 48627, Start Num: 122
Candidate Starts for ChotaBhai_77:
(46, 48127), (Start: 122 @48310 has 149 MA's), (Start: 134 @48334 has 1 MA's), (173, 48451),

Gene: Chuckly_68 Start: 42655, Stop: 43011, Start Num: 115
Candidate Starts for Chuckly_68:
(Start: 115 @42655 has 239 MA's), (216, 42955), (218, 42958),

Gene: Cinna_52 Start: 36948, Stop: 37283, Start Num: 112
Candidate Starts for Cinna_52:
(77, 36891), (105, 36936), (107, 36939), (Start: 112 @36948 has 5 MA's), (Start: 132 @36975 has 1 MA's), (167, 37083), (185, 37158), (194, 37188), (199, 37209), (219, 37248),

Gene: Cjw1_77 Start: 49683, Stop: 50000, Start Num: 122
Candidate Starts for Cjw1_77:
(46, 49500), (Start: 122 @49683 has 149 MA's), (173, 49824),

Gene: Clarkson_70 Start: 39837, Stop: 40190, Start Num: 96
Candidate Starts for Clarkson_70:
(Start: 96 @39837 has 20 MA's), (Start: 112 @39864 has 5 MA's), (168, 39999), (180, 40029), (189, 40080), (193, 40086), (197, 40101), (209, 40119), (215, 40143), (216, 40146),

Gene: Clautastrophe_65 Start: 46467, Stop: 46799, Start Num: 115
Candidate Starts for Clautastrophe_65:
(30, 46191), (32, 46203), (34, 46212), (35, 46236), (51, 46314), (64, 46362), (Start: 115 @46467 has 239 MA's), (172, 46611), (194, 46695), (209, 46728),

Gene: Clawz_89 Start: 57153, Stop: 57563, Start Num: 91

Candidate Starts for Clawz_89:
(66, 57102), (69, 57108), (73, 57114), (80, 57126), (Start: 91 @57153 has 1 MA's), (Start: 109 @57183 has 5 MA's), (200, 57444), (206, 57453), (235, 57522), (243, 57540),

Gene: Clifton_60 Start: 39647, Stop: 40009, Start Num: 115
Candidate Starts for Clifton_60:
(59, 39530), (Start: 115 @39647 has 239 MA's), (171, 39806), (216, 39947), (236, 39992),

Gene: Coco12_65 Start: 43223, Stop: 43585, Start Num: 115
Candidate Starts for Coco12_65:
(Start: 115 @43223 has 239 MA's), (171, 43382), (183, 43427), (216, 43523), (218, 43526), (236, 43568),

Gene: ColdSoup_93 Start: 57604, Stop: 57972, Start Num: 117
Candidate Starts for ColdSoup_93:
(36, 57379), (Start: 109 @57592 has 5 MA's), (Start: 117 @57604 has 1 MA's), (200, 57853), (206, 57862), (214, 57886), (217, 57892), (238, 57934),

Gene: Colossa_116 Start: 60533, Stop: 60895, Start Num: 123
Candidate Starts for Colossa_116:
(Start: 123 @60533 has 25 MA's), (193, 60746), (205, 60773), (216, 60800), (226, 60824), (244, 60863),

Gene: Colusalem_32 Start: 21495, Stop: 21142, Start Num: 97
Candidate Starts for Colusalem_32:
(45, 21621), (54, 21582), (Start: 97 @21495 has 30 MA's), (160, 21366), (172, 21321), (210, 21201),

Gene: Command613_79 Start: 49025, Stop: 49342, Start Num: 122
Candidate Starts for Command613_79:
(46, 48842), (Start: 122 @49025 has 149 MA's), (173, 49166),

Gene: Constella_107 Start: 63055, Stop: 63387, Start Num: 122
Candidate Starts for Constella_107:
(Start: 122 @63055 has 149 MA's), (165, 63166), (169, 63190), (229, 63370),

Gene: Contagion_73 Start: 47786, Stop: 48103, Start Num: 122
Candidate Starts for Contagion_73:
(46, 47603), (Start: 122 @47786 has 149 MA's), (173, 47927),

Gene: CookieDog_41 Start: 25721, Stop: 26098, Start Num: 116
Candidate Starts for CookieDog_41:
(Start: 116 @25721 has 35 MA's), (147, 25784), (156, 25811), (202, 25985), (209, 25991), (246, 26087),

Gene: Cookies_74 Start: 48167, Stop: 48484, Start Num: 122
Candidate Starts for Cookies_74:
(46, 47984), (Start: 122 @48167 has 149 MA's), (Start: 134 @48191 has 1 MA's), (173, 48308),

Gene: Coral_31 Start: 21357, Stop: 21004, Start Num: 97
Candidate Starts for Coral_31:
(45, 21483), (54, 21444), (Start: 97 @21357 has 30 MA's), (160, 21228), (172, 21183), (210, 21063),

Gene: Corazon_67 Start: 40031, Stop: 40384, Start Num: 96

Candidate Starts for Corazon_67:
(Start: 96 @40031 has 20 MA's), (Start: 112 @40058 has 5 MA's), (168, 40193), (180, 40223), (189, 40274), (193, 40280), (197, 40295), (209, 40313), (215, 40337), (216, 40340),

Gene: Cornie_63 Start: 40942, Stop: 41304, Start Num: 115
Candidate Starts for Cornie_63:
(Start: 115 @40942 has 239 MA's), (171, 41101), (216, 41242), (236, 41287),

Gene: Cornucopia_67 Start: 42579, Stop: 42941, Start Num: 115
Candidate Starts for Cornucopia_67:
(Start: 115 @42579 has 239 MA's), (183, 42783), (216, 42879), (218, 42882), (236, 42924),

Gene: Cosmo_77 Start: 48788, Stop: 49153, Start Num: 98
Candidate Starts for Cosmo_77:
(74, 48725), (Start: 98 @48788 has 5 MA's), (178, 48980), (216, 49100), (231, 49133),

Gene: Cote_33 Start: 21834, Stop: 21481, Start Num: 97
Candidate Starts for Cote_33:
(45, 21960), (54, 21921), (Start: 97 @21834 has 30 MA's), (160, 21705), (172, 21660), (210, 21540),

Gene: Courthouse_113 Start: 63779, Stop: 64099, Start Num: 123
Candidate Starts for Courthouse_113:
(Start: 123 @63779 has 25 MA's), (150, 63848), (163, 63890), (194, 64007),

Gene: Cracklewink_62 Start: 43613, Stop: 43963, Start Num: 99
Candidate Starts for Cracklewink_62:
(29, 43352), (45, 43460), (48, 43469), (70, 43541), (82, 43571), (Start: 99 @43613 has 6 MA's), (Start: 110 @43628 has 1 MA's), (129, 43661), (144, 43694), (158, 43736), (188, 43850), (216, 43916),

Gene: Cressida_55 Start: 36599, Stop: 36934, Start Num: 112
Candidate Starts for Cressida_55:
(13, 36272), (14, 36275), (16, 36281), (20, 36305), (21, 36314), (77, 36542), (105, 36587), (107, 36590), (Start: 112 @36599 has 5 MA's), (Start: 132 @36626 has 1 MA's), (162, 36716), (167, 36734), (185, 36809), (194, 36839), (202, 36866),

Gene: Crumble_60 Start: 38411, Stop: 38773, Start Num: 115
Candidate Starts for Crumble_60:
(Start: 115 @38411 has 239 MA's), (171, 38570), (175, 38585), (216, 38711), (236, 38756),

Gene: CrystalP_76 Start: 48970, Stop: 49287, Start Num: 122
Candidate Starts for CrystalP_76:
(46, 48787), (Start: 122 @48970 has 149 MA's), (173, 49111),

Gene: Cygnet_31 Start: 22172, Stop: 21816, Start Num: 102
Candidate Starts for Cygnet_31:
(45, 22316), (71, 22241), (Start: 102 @22172 has 3 MA's), (Start: 126 @22136 has 1 MA's), (144, 22097), (154, 22064), (160, 22040),

Gene: Czyszczon1_78 Start: 48492, Stop: 48809, Start Num: 122
Candidate Starts for Czyszczon1_78:
(46, 48309), (Start: 122 @48492 has 149 MA's), (173, 48633),

Gene: D12_51 Start: 44470, Stop: 44811, Start Num: 113

Candidate Starts for D12_51:
(Start: 113 @44470 has 9 MA's), (144, 44524), (148, 44539), (152, 44557), (172, 44623), (177, 44641), (188, 44695), (207, 44740), (216, 44761), (225, 44785), (226, 44788),

Gene: DLane_60 Start: 40555, Stop: 40917, Start Num: 115
Candidate Starts for DLane_60:
(Start: 115 @40555 has 239 MA's), (216, 40855), (218, 40858), (236, 40900),

Gene: DRBy19_69 Start: 43907, Stop: 44263, Start Num: 115
Candidate Starts for DRBy19_69:
(59, 43790), (Start: 115 @43907 has 239 MA's), (175, 44081), (216, 44207), (218, 44210), (232, 44246),

Gene: DaWorst_65 Start: 42022, Stop: 42384, Start Num: 115
Candidate Starts for DaWorst_65:
(Start: 115 @42022 has 239 MA's), (171, 42181), (216, 42322), (236, 42367),

Gene: DaddyRickover_65 Start: 43087, Stop: 43449, Start Num: 115
Candidate Starts for DaddyRickover_65:
(61, 42982), (64, 42988), (Start: 89 @43042 has 9 MA's), (Start: 115 @43087 has 239 MA's), (Start: 133 @43120 has 1 MA's), (183, 43291), (216, 43387), (218, 43390), (236, 43432),

Gene: Daenerys_60 Start: 41329, Stop: 41685, Start Num: 115
Candidate Starts for Daenerys_60:
(61, 41224), (64, 41230), (Start: 89 @41284 has 9 MA's), (Start: 115 @41329 has 239 MA's), (Start: 133 @41362 has 1 MA's), (183, 41533), (216, 41629), (218, 41632),

Gene: Daikon_79 Start: 49113, Stop: 49430, Start Num: 122
Candidate Starts for Daikon_79:
(46, 48930), (Start: 122 @49113 has 149 MA's), (173, 49254),

Gene: Dallas_124 Start: 69105, Stop: 69437, Start Num: 122
Candidate Starts for Dallas_124:
(Start: 122 @69105 has 149 MA's), (165, 69216), (169, 69240), (229, 69420),

Gene: DanHam62_30 Start: 20871, Stop: 20518, Start Num: 97
Candidate Starts for DanHam62_30:
(2, 21273), (25, 21123), (71, 20928), (Start: 97 @20871 has 30 MA's), (Start: 126 @20838 has 1 MA's), (160, 20742),

Gene: Dante_66 Start: 41796, Stop: 42161, Start Num: 115
Candidate Starts for Dante_66:
(Start: 115 @41796 has 239 MA's), (171, 41955), (216, 42096), (225, 42120),

Gene: Daob_33 Start: 21852, Stop: 21499, Start Num: 97
Candidate Starts for Daob_33:
(45, 21978), (54, 21939), (Start: 97 @21852 has 30 MA's), (160, 21723), (210, 21558),

Gene: DeadP_72 Start: 44907, Stop: 45269, Start Num: 115
Candidate Starts for DeadP_72:
(Start: 99 @44892 has 6 MA's), (Start: 115 @44907 has 239 MA's), (216, 45207), (218, 45210), (236, 45252),

Gene: Deb65_60 Start: 41299, Stop: 41661, Start Num: 115
Candidate Starts for Deb65_60:
(61, 41194), (64, 41200), (Start: 89 @41254 has 9 MA's), (Start: 115 @41299 has 239 MA's), (Start: 133 @41332 has 1 MA's), (216, 41599), (218, 41602), (236, 41644),

Gene: DelaGarza_58 Start: 33298, Stop: 33687, Start Num: 116
Candidate Starts for DelaGarza_58:
(Start: 116 @33298 has 35 MA's), (163, 33424), (186, 33532), (238, 33652),

Gene: Demsculpinboyz_78 Start: 42611, Stop: 42973, Start Num: 115
Candidate Starts for Demsculpinboyz_78:
(Start: 115 @42611 has 239 MA's), (183, 42815), (216, 42911), (236, 42956),

Gene: DillTech15_63 Start: 40922, Stop: 41284, Start Num: 115
Candidate Starts for DillTech15_63:
(Start: 100 @40907 has 1 MA's), (Start: 115 @40922 has 239 MA's), (216, 41222), (236, 41267),

Gene: DillyDally_46 Start: 29839, Stop: 30222, Start Num: 101
Candidate Starts for DillyDally_46:
(87, 29803), (Start: 101 @29839 has 1 MA's), (Start: 133 @29875 has 1 MA's), (166, 29980), (174, 30016), (179, 30034), (181, 30040), (182, 30049), (209, 30124), (231, 30184),

Gene: DinoDaryn_52 Start: 33048, Stop: 33431, Start Num: 118
Candidate Starts for DinoDaryn_52:
(Start: 118 @33048 has 10 MA's), (163, 33171), (219, 33354), (238, 33396),

Gene: DirtMcgirt_64 Start: 40554, Stop: 40916, Start Num: 115
Candidate Starts for DirtMcgirt_64:
(Start: 115 @40554 has 239 MA's), (171, 40713), (216, 40854), (218, 40857), (236, 40899),

Gene: DmpstrDiver_123 Start: 68024, Stop: 68353, Start Num: 123
Candidate Starts for DmpstrDiver_123:
(Start: 123 @68024 has 25 MA's), (150, 68093), (194, 68252), (227, 68336),

Gene: DoRead_69 Start: 42341, Stop: 42703, Start Num: 115
Candidate Starts for DoRead_69:
(76, 42263), (79, 42272), (92, 42305), (Start: 115 @42341 has 239 MA's), (236, 42686),

Gene: DoctorDiddles_76 Start: 48354, Stop: 48671, Start Num: 122
Candidate Starts for DoctorDiddles_76:
(46, 48171), (Start: 122 @48354 has 149 MA's), (Start: 134 @48378 has 1 MA's), (173, 48495),

Gene: DonTron_91 Start: 57708, Stop: 58088, Start Num: 109
Candidate Starts for DonTron_91:
(24, 57420), (36, 57495), (53, 57582), (Start: 109 @57708 has 5 MA's), (Start: 117 @57720 has 1 MA's), (200, 57969), (206, 57978), (214, 58002), (217, 58008), (238, 58050),

Gene: Donkeykong_68 Start: 44468, Stop: 44830, Start Num: 115
Candidate Starts for Donkeykong_68:
(Start: 115 @44468 has 239 MA's), (216, 44768), (218, 44771), (236, 44813),

Gene: Doomslug_74 Start: 42992, Stop: 43354, Start Num: 115
Candidate Starts for Doomslug_74:

(59, 42875), (Start: 115 @42992 has 239 MA's), (171, 43151), (216, 43292), (218, 43295), (236, 43337),

Gene: Dorothy_64 Start: 42261, Stop: 42623, Start Num: 115
Candidate Starts for Dorothy_64:
(61, 42156), (64, 42162), (Start: 89 @42216 has 9 MA's), (Start: 115 @42261 has 239 MA's), (Start: 133 @42294 has 1 MA's), (183, 42465), (216, 42561), (218, 42564), (236, 42606),

Gene: DosHalletts_67 Start: 43303, Stop: 43665, Start Num: 115
Candidate Starts for DosHalletts_67:
(Start: 115 @43303 has 239 MA's), (171, 43462), (216, 43603), (218, 43606), (236, 43648),

Gene: DotProduct_60 Start: 40802, Stop: 41164, Start Num: 115
Candidate Starts for DotProduct_60:
(Start: 115 @40802 has 239 MA's), (216, 41102), (218, 41105), (236, 41147),

Gene: Doug_67 Start: 42635, Stop: 42997, Start Num: 115
Candidate Starts for Doug_67:
(Start: 115 @42635 has 239 MA's), (216, 42935), (236, 42980),

Gene: Dove_109 Start: 64018, Stop: 64350, Start Num: 122
Candidate Starts for Dove_109:
(Start: 122 @64018 has 149 MA's), (165, 64129), (169, 64153), (229, 64333),

Gene: DrDrey_77 Start: 49411, Stop: 49728, Start Num: 122
Candidate Starts for DrDrey_77:
(46, 49228), (Start: 122 @49411 has 149 MA's), (173, 49552),

Gene: Drago_62 Start: 40557, Stop: 40919, Start Num: 115
Candidate Starts for Drago_62:
(Start: 115 @40557 has 239 MA's), (171, 40716), (216, 40857), (218, 40860), (236, 40902),

Gene: Duke13_117 Start: 65442, Stop: 65774, Start Num: 123
Candidate Starts for Duke13_117:
(Start: 123 @65442 has 25 MA's), (150, 65511), (176, 65601), (177, 65604), (194, 65670),

Gene: Dulcita_67 Start: 43444, Stop: 43842, Start Num: 116
Candidate Starts for Dulcita_67:
(Start: 100 @43423 has 1 MA's), (Start: 116 @43444 has 35 MA's), (146, 43492), (158, 43528), (202, 43693),

Gene: Dumbo_77 Start: 47891, Stop: 48208, Start Num: 122
Candidate Starts for Dumbo_77:
(46, 47708), (Start: 122 @47891 has 149 MA's), (173, 48032),

Gene: DuncansLeg_66 Start: 46503, Stop: 46835, Start Num: 115
Candidate Starts for DuncansLeg_66:
(64, 46398), (94, 46464), (Start: 115 @46503 has 239 MA's), (167, 46626), (174, 46653), (194, 46731), (210, 46767), (225, 46812),

Gene: Dusk_74 Start: 48191, Stop: 48508, Start Num: 122
Candidate Starts for Dusk_74:
(46, 48008), (Start: 122 @48191 has 149 MA's), (173, 48332),

Gene: Easy2Say_78 Start: 49435, Stop: 49752, Start Num: 122
Candidate Starts for Easy2Say_78:
(46, 49252), (Start: 122 @49435 has 149 MA's), (173, 49576),

Gene: Ecliptus_75 Start: 44750, Stop: 45079, Start Num: 116
Candidate Starts for Ecliptus_75:
(Start: 116 @44750 has 35 MA's), (167, 44864), (172, 44885), (194, 44969), (202, 44993), (219, 45032), (231, 45059), (239, 45071),

Gene: Edmundo_89 Start: 53428, Stop: 53775, Start Num: 89
Candidate Starts for Edmundo_89:
(Start: 89 @53428 has 9 MA's), (Start: 106 @53458 has 3 MA's), (Start: 109 @53464 has 5 MA's), (145, 53530), (158, 53569), (184, 53662),

Gene: Eish_68 Start: 42537, Stop: 42899, Start Num: 115
Candidate Starts for Eish_68:
(Start: 115 @42537 has 239 MA's), (171, 42696), (216, 42837), (218, 42840), (236, 42882),

Gene: Ejimix_117 Start: 69176, Stop: 69505, Start Num: 123
Candidate Starts for Ejimix_117:
(Start: 123 @69176 has 25 MA's), (150, 69245), (176, 69335), (177, 69338), (194, 69404), (227, 69488),

Gene: EleanorGeorge_67 Start: 43317, Stop: 43673, Start Num: 115
Candidate Starts for EleanorGeorge_67:
(Start: 115 @43317 has 239 MA's), (171, 43476), (216, 43617), (218, 43620),

Gene: Elite2014_76 Start: 47985, Stop: 48302, Start Num: 122
Candidate Starts for Elite2014_76:
(46, 47802), (Start: 122 @47985 has 149 MA's), (173, 48126),

Gene: Elph10_77 Start: 47990, Stop: 48307, Start Num: 122
Candidate Starts for Elph10_77:
(46, 47807), (Start: 122 @47990 has 149 MA's), (173, 48131),

Gene: Emma_67 Start: 42045, Stop: 42407, Start Num: 115
Candidate Starts for Emma_67:
(Start: 115 @42045 has 239 MA's), (138, 42087), (171, 42204), (216, 42345), (236, 42390),

Gene: Emmaloid_67 Start: 43062, Stop: 43424, Start Num: 115
Candidate Starts for Emmaloid_67:
(Start: 115 @43062 has 239 MA's), (216, 43362), (218, 43365), (236, 43407),

Gene: Emmina_77 Start: 47892, Stop: 48209, Start Num: 122
Candidate Starts for Emmina_77:
(46, 47709), (Start: 122 @47892 has 149 MA's), (173, 48033),

Gene: Empress_64 Start: 42743, Stop: 43105, Start Num: 115
Candidate Starts for Empress_64:
(61, 42638), (64, 42644), (Start: 89 @42698 has 9 MA's), (Start: 115 @42743 has 239 MA's), (Start: 133 @42776 has 1 MA's), (216, 43043), (218, 43046), (236, 43088),

Gene: Enby_66 Start: 40833, Stop: 41195, Start Num: 115
Candidate Starts for Enby_66:
(Start: 115 @40833 has 239 MA's), (171, 40992), (216, 41133), (218, 41136), (236, 41178),

Gene: EniyanLRS_168 Start: 48527, Stop: 48892, Start Num: 98
Candidate Starts for EniyanLRS_168:
(74, 48464), (Start: 98 @48527 has 5 MA's), (178, 48719), (216, 48839), (231, 48872),

Gene: Eradicator_58 Start: 40449, Stop: 40811, Start Num: 115
Candidate Starts for Eradicator_58:
(Start: 115 @40449 has 239 MA's), (171, 40608), (216, 40749), (218, 40752), (236, 40794),

Gene: EricMillard_114 Start: 67411, Stop: 67743, Start Num: 123
Candidate Starts for EricMillard_114:
(Start: 123 @67411 has 25 MA's), (150, 67480), (176, 67570), (177, 67573), (194, 67639),

Gene: Estave1_70 Start: 44873, Stop: 45235, Start Num: 115
Candidate Starts for Estave1_70:
(Start: 115 @44873 has 239 MA's), (171, 45032), (175, 45047), (216, 45173), (218, 45176), (236, 45218),

Gene: Eureka_75 Start: 48456, Stop: 48773, Start Num: 122
Candidate Starts for Eureka_75:
(46, 48273), (Start: 122 @48456 has 149 MA's), (173, 48597),

Gene: FairyPath_78 Start: 49104, Stop: 49421, Start Num: 122
Candidate Starts for FairyPath_78:
(46, 48921), (Start: 122 @49104 has 149 MA's), (Start: 134 @49128 has 1 MA's), (173, 49245),

Gene: Faiyaz_65 Start: 45151, Stop: 45501, Start Num: 99
Candidate Starts for Faiyaz_65:
(70, 45079), (82, 45109), (Start: 99 @45151 has 6 MA's), (Start: 110 @45166 has 1 MA's), (Start: 120 @45184 has 5 MA's), (144, 45232), (146, 45238), (158, 45274), (183, 45358), (189, 45394),

Gene: Fancypants_68 Start: 43057, Stop: 43419, Start Num: 115
Candidate Starts for Fancypants_68:
(Start: 100 @43042 has 1 MA's), (Start: 115 @43057 has 239 MA's), (171, 43216), (216, 43357), (236, 43402),

Gene: Fastidio_66 Start: 41072, Stop: 41428, Start Num: 115
Candidate Starts for Fastidio_66:
(Start: 99 @41057 has 6 MA's), (Start: 115 @41072 has 239 MA's), (171, 41231), (216, 41372), (218, 41375),

Gene: FeliMaine_71 Start: 40079, Stop: 40432, Start Num: 96
Candidate Starts for FeliMaine_71:
(Start: 96 @40079 has 20 MA's), (Start: 112 @40106 has 5 MA's), (168, 40241), (180, 40271), (189, 40322), (193, 40328), (197, 40343), (209, 40361), (215, 40385), (216, 40388),

Gene: Filch_78 Start: 47917, Stop: 48234, Start Num: 122
Candidate Starts for Filch_78:
(46, 47734), (Start: 122 @47917 has 149 MA's), (173, 48058),

Gene: Filuzino_63 Start: 40860, Stop: 41222, Start Num: 115
Candidate Starts for Filuzino_63:
(Start: 115 @40860 has 239 MA's), (216, 41160), (218, 41163), (236, 41205),

Gene: Fingolfin_30 Start: 20872, Stop: 20519, Start Num: 97
Candidate Starts for Fingolfin_30:
(2, 21274), (25, 21124), (71, 20929), (Start: 97 @20872 has 30 MA's), (Start: 126 @20839 has 1 MA's), (160, 20743),

Gene: Finnry_66 Start: 46731, Stop: 47063, Start Num: 115
Candidate Starts for Finnry_66:
(32, 46467), (34, 46476), (35, 46500), (51, 46578), (64, 46626), (Start: 115 @46731 has 239 MA's), (172, 46875), (194, 46959), (209, 46992),

Gene: FireRed_81 Start: 49479, Stop: 49796, Start Num: 122
Candidate Starts for FireRed_81:
(46, 49296), (Start: 122 @49479 has 149 MA's), (173, 49620),

Gene: Firehouse51_68 Start: 46363, Stop: 46704, Start Num: 115
Candidate Starts for Firehouse51_68:
(Start: 115 @46363 has 239 MA's), (183, 46567), (216, 46663), (218, 46666),

Gene: Flathead_66 Start: 42514, Stop: 42876, Start Num: 115
Candidate Starts for Flathead_66:
(Start: 115 @42514 has 239 MA's), (216, 42814), (218, 42817), (236, 42859),

Gene: Florinda_76 Start: 43974, Stop: 44336, Start Num: 115
Candidate Starts for Florinda_76:
(Start: 115 @43974 has 239 MA's), (216, 44274), (218, 44277), (236, 44319),

Gene: Flypotenuse_73 Start: 47976, Stop: 48293, Start Num: 122
Candidate Starts for Flypotenuse_73:
(46, 47793), (Start: 122 @47976 has 149 MA's), (173, 48117),

Gene: FoghornLeghorn_71 Start: 46989, Stop: 47306, Start Num: 122
Candidate Starts for FoghornLeghorn_71:
(46, 46806), (Start: 122 @46989 has 149 MA's), (173, 47130),

Gene: FreakyGoo_67 Start: 43444, Stop: 43842, Start Num: 116
Candidate Starts for FreakyGoo_67:
(Start: 100 @43423 has 1 MA's), (Start: 116 @43444 has 35 MA's), (146, 43492), (158, 43528), (202, 43693),

Gene: FreddyB_66 Start: 41323, Stop: 41679, Start Num: 115
Candidate Starts for FreddyB_66:
(Start: 115 @41323 has 239 MA's), (175, 41497), (216, 41623),

Gene: Fryberger_95 Start: 48138, Stop: 48464, Start Num: 125
Candidate Starts for Fryberger_95:
(Start: 125 @48138 has 4 MA's), (158, 48219), (183, 48303), (191, 48342), (210, 48381),

Gene: GAL1_54 Start: 37553, Stop: 37900, Start Num: 124
Candidate Starts for GAL1_54:

(Start: 93 @37502 has 1 MA's), (Start: 124 @37553 has 5 MA's), (Start: 133 @37574 has 1 MA's), (142, 37592), (144, 37601), (163, 37676), (177, 37727), (192, 37790), (194, 37793), (205, 37823), (218, 37853), (229, 37880), (236, 37892),

Gene: GUmbie_63 Start: 41676, Stop: 42038, Start Num: 115
Candidate Starts for GUmbie_63:
(Start: 115 @41676 has 239 MA's), (171, 41835), (216, 41976), (218, 41979), (236, 42021),

Gene: Gage_79 Start: 48769, Stop: 49086, Start Num: 122
Candidate Starts for Gage_79:
(46, 48586), (Start: 122 @48769 has 149 MA's), (173, 48910),

Gene: Gaia_85 Start: 50308, Stop: 50631, Start Num: 124
Candidate Starts for Gaia_85:
(Start: 124 @50308 has 5 MA's), (148, 50371), (218, 50596), (219, 50599),

Gene: Galactic_64 Start: 41833, Stop: 42195, Start Num: 115
Candidate Starts for Galactic_64:
(Start: 115 @41833 has 239 MA's), (171, 41992), (216, 42133), (236, 42178),

Gene: Gandalph_68 Start: 42720, Stop: 43082, Start Num: 115
Candidate Starts for Gandalph_68:
(59, 42603), (Start: 115 @42720 has 239 MA's), (171, 42879), (216, 43020), (218, 43023), (236, 43065),

Gene: Gator_75 Start: 48822, Stop: 49139, Start Num: 122
Candidate Starts for Gator_75:
(46, 48639), (Start: 122 @48822 has 149 MA's), (173, 48963),

Gene: Gattaca_67 Start: 39225, Stop: 39578, Start Num: 96
Candidate Starts for Gattaca_67:
(Start: 96 @39225 has 20 MA's), (Start: 112 @39252 has 5 MA's), (168, 39387), (180, 39417), (189, 39468), (193, 39474), (197, 39489), (209, 39507), (215, 39531), (216, 39534),

Gene: Gemini_82 Start: 49286, Stop: 49603, Start Num: 122
Candidate Starts for Gemini_82:
(46, 49103), (Start: 122 @49286 has 149 MA's), (173, 49427),

Gene: Geralt_60 Start: 41298, Stop: 41660, Start Num: 115
Candidate Starts for Geralt_60:
(61, 41193), (64, 41199), (Start: 89 @41253 has 9 MA's), (Start: 115 @41298 has 239 MA's), (Start: 133 @41331 has 1 MA's), (216, 41598), (218, 41601), (236, 41643),

Gene: GigiOuiOui_61 Start: 40822, Stop: 41184, Start Num: 115
Candidate Starts for GigiOuiOui_61:
(Start: 115 @40822 has 239 MA's), (216, 41122), (218, 41125), (236, 41167),

Gene: Gilgamesh_151 Start: 125936, Stop: 126292, Start Num: 113
Candidate Starts for Gilgamesh_151:
(83, 125873), (Start: 113 @125936 has 9 MA's), (Start: 133 @125972 has 1 MA's), (159, 126053), (164, 126065), (177, 126116), (194, 126182), (214, 126242), (222, 126260), (228, 126275),

Gene: Gingerbug_57 Start: 33770, Stop: 34138, Start Num: 116

Candidate Starts for Gingerbug_57:
(Start: 116 @33770 has 35 MA's), (141, 33791), (163, 33872), (186, 33980),

Gene: Girafales_73 Start: 43765, Stop: 44127, Start Num: 115
Candidate Starts for Girafales_73:
(Start: 115 @43765 has 239 MA's), (216, 44065), (218, 44068), (236, 44110),

Gene: Girr_63 Start: 41692, Stop: 42054, Start Num: 115
Candidate Starts for Girr_63:
(Start: 115 @41692 has 239 MA's), (216, 41992), (236, 42037),

Gene: Glaske16_67 Start: 43443, Stop: 43841, Start Num: 116
Candidate Starts for Glaske16_67:
(Start: 100 @43422 has 1 MA's), (Start: 116 @43443 has 35 MA's), (146, 43491), (158, 43527), (202, 43692),

Gene: Glexan_76 Start: 49106, Stop: 49423, Start Num: 122
Candidate Starts for Glexan_76:
(46, 48923), (Start: 122 @49106 has 149 MA's), (173, 49247),

Gene: Glotell_31 Start: 21028, Stop: 20675, Start Num: 97
Candidate Starts for Glotell_31:
(2, 21430), (25, 21280), (71, 21085), (Start: 97 @21028 has 30 MA's), (Start: 126 @20995 has 1 MA's), (160, 20899),

Gene: GodPhather_53 Start: 44710, Stop: 45051, Start Num: 113
Candidate Starts for GodPhather_53:
(Start: 113 @44710 has 9 MA's), (144, 44764), (148, 44779), (152, 44797), (172, 44863), (177, 44881), (188, 44935), (207, 44980), (216, 45001), (225, 45025), (226, 45028),

Gene: Goib_52 Start: 33585, Stop: 33968, Start Num: 118
Candidate Starts for Goib_52:
(Start: 118 @33585 has 10 MA's), (163, 33708), (219, 33891), (238, 33933),

Gene: Goku_75 Start: 48185, Stop: 48502, Start Num: 122
Candidate Starts for Goku_75:
(46, 48002), (Start: 122 @48185 has 149 MA's), (173, 48326),

Gene: GoldenSpark_81 Start: 48769, Stop: 49086, Start Num: 122
Candidate Starts for GoldenSpark_81:
(46, 48586), (Start: 122 @48769 has 149 MA's), (173, 48910),

Gene: Goldilocks_80 Start: 48267, Stop: 48584, Start Num: 122
Candidate Starts for Goldilocks_80:
(46, 48084), (Start: 122 @48267 has 149 MA's), (173, 48408),

Gene: Gonephishing_112 Start: 63185, Stop: 63505, Start Num: 123
Candidate Starts for Gonephishing_112:
(Start: 123 @63185 has 25 MA's), (150, 63254), (163, 63296), (194, 63413),

Gene: GooberAzure_80 Start: 48769, Stop: 49086, Start Num: 122
Candidate Starts for GooberAzure_80:
(46, 48586), (Start: 122 @48769 has 149 MA's), (173, 48910),

Gene: GoongGoong_68 Start: 39024, Stop: 39377, Start Num: 96
Candidate Starts for GoongGoong_68:
(Start: 96 @39024 has 20 MA's), (Start: 112 @39051 has 5 MA's), (168, 39186), (180, 39216), (189, 39267), (193, 39273), (197, 39288), (209, 39306), (215, 39330), (216, 39333),

Gene: Gorge_69 Start: 43618, Stop: 43980, Start Num: 115
Candidate Starts for Gorge_69:
(Start: 115 @43618 has 239 MA's), (171, 43777), (216, 43918), (218, 43921), (236, 43963),

Gene: GramZayde_32 Start: 21670, Stop: 21317, Start Num: 97
Candidate Starts for GramZayde_32:
(45, 21796), (54, 21757), (Start: 97 @21670 has 30 MA's), (160, 21541), (172, 21496), (210, 21376),

Gene: Greep_81 Start: 49768, Stop: 50085, Start Num: 122
Candidate Starts for Greep_81:
(46, 49585), (Start: 122 @49768 has 149 MA's), (173, 49909),

Gene: Grimmer_72 Start: 43862, Stop: 44218, Start Num: 115
Candidate Starts for Grimmer_72:
(Start: 115 @43862 has 239 MA's), (216, 44162),

Gene: Grumio_93 Start: 57321, Stop: 57701, Start Num: 109
Candidate Starts for Grumio_93:
(24, 57033), (36, 57108), (53, 57195), (Start: 109 @57321 has 5 MA's), (200, 57582), (206, 57591), (214, 57615), (217, 57621), (238, 57663),

Gene: Guey18_100 Start: 49458, Stop: 49784, Start Num: 125
Candidate Starts for Guey18_100:
(Start: 125 @49458 has 4 MA's), (158, 49539), (183, 49623), (191, 49662), (210, 49701),

Gene: Guppsters_66 Start: 41977, Stop: 42339, Start Num: 115
Candidate Starts for Guppsters_66:
(Start: 115 @41977 has 239 MA's), (171, 42136), (216, 42277), (218, 42280), (236, 42322),

Gene: Hades_66 Start: 42692, Stop: 43054, Start Num: 115
Candidate Starts for Hades_66:
(Start: 115 @42692 has 239 MA's), (171, 42851), (216, 42992), (218, 42995), (236, 43037),

Gene: Halley_125 Start: 69492, Stop: 69821, Start Num: 123
Candidate Starts for Halley_125:
(Start: 123 @69492 has 25 MA's), (150, 69561), (176, 69651), (177, 69654), (194, 69720), (227, 69804),

Gene: HamCheese_30 Start: 20856, Stop: 20503, Start Num: 97
Candidate Starts for HamCheese_30:
(2, 21258), (25, 21108), (71, 20913), (Start: 97 @20856 has 30 MA's), (Start: 126 @20823 has 1 MA's), (160, 20727),

Gene: Hamulus_65 Start: 42334, Stop: 42690, Start Num: 115
Candidate Starts for Hamulus_65:
(Start: 115 @42334 has 239 MA's), (216, 42634), (218, 42637),

Gene: HanKaySha_77 Start: 48070, Stop: 48387, Start Num: 122
Candidate Starts for HanKaySha_77:
(46, 47887), (Start: 122 @48070 has 149 MA's), (173, 48211),

Gene: HannahPhantana_32 Start: 21514, Stop: 21161, Start Num: 97
Candidate Starts for HannahPhantana_32:
(45, 21640), (54, 21601), (Start: 97 @21514 has 30 MA's), (160, 21385), (172, 21340), (210, 21220),

Gene: Harella_77 Start: 49622, Stop: 49939, Start Num: 122
Candidate Starts for Harella_77:
(46, 49439), (Start: 122 @49622 has 149 MA's), (173, 49763),

Gene: Harley_67 Start: 42941, Stop: 43297, Start Num: 115
Candidate Starts for Harley_67:
(Start: 115 @42941 has 239 MA's), (171, 43100), (175, 43115), (216, 43241), (218, 43244),

Gene: Hegedechwinu_65 Start: 41510, Stop: 41872, Start Num: 115
Candidate Starts for Hegedechwinu_65:
(59, 41393), (Start: 115 @41510 has 239 MA's), (171, 41669), (216, 41810), (218, 41813), (236, 41855),

Gene: Henry_75 Start: 48410, Stop: 48727, Start Num: 122
Candidate Starts for Henry_75:
(46, 48227), (Start: 122 @48410 has 149 MA's), (173, 48551),

Gene: Hidrated_105 Start: 65269, Stop: 65589, Start Num: 123
Candidate Starts for Hidrated_105:
(Start: 123 @65269 has 25 MA's), (150, 65338), (176, 65428), (194, 65497),

Gene: Highbury_76 Start: 48058, Stop: 48375, Start Num: 122
Candidate Starts for Highbury_76:
(46, 47875), (Start: 122 @48058 has 149 MA's), (173, 48199),

Gene: Hilltopfarm_64 Start: 44853, Stop: 45203, Start Num: 99
Candidate Starts for Hilltopfarm_64:
(70, 44781), (82, 44811), (Start: 99 @44853 has 6 MA's), (Start: 110 @44868 has 1 MA's), (Start: 120 @44886 has 5 MA's), (144, 44934), (146, 44940), (158, 44976), (193, 45102),

Gene: Hlubikazi_61 Start: 39912, Stop: 40274, Start Num: 115
Candidate Starts for Hlubikazi_61:
(Start: 115 @39912 has 239 MA's), (216, 40212), (218, 40215), (236, 40257),

Gene: HokkenD_113 Start: 67777, Stop: 68151, Start Num: 95
Candidate Starts for HokkenD_113:
(Start: 93 @67768 has 1 MA's), (Start: 95 @67777 has 1 MA's), (151, 67885), (165, 67930), (229, 68134),

Gene: Holt_82 Start: 49183, Stop: 49500, Start Num: 122
Candidate Starts for Holt_82:
(46, 49000), (Start: 122 @49183 has 149 MA's), (173, 49324),

Gene: Hoonter_80 Start: 48769, Stop: 49086, Start Num: 122
Candidate Starts for Hoonter_80:

(46, 48586), (Start: 122 @48769 has 149 MA's), (173, 48910),

Gene: Hopey_77 Start: 48602, Stop: 48919, Start Num: 122
Candidate Starts for Hopey_77:
(46, 48419), (Start: 122 @48602 has 149 MA's), (173, 48743),

Gene: Horus_72 Start: 44321, Stop: 44650, Start Num: 116
Candidate Starts for Horus_72:
(62, 44207), (Start: 99 @44297 has 6 MA's), (Start: 116 @44321 has 35 MA's), (140, 44348), (167, 44435), (194, 44540), (202, 44564), (219, 44603), (231, 44630), (239, 44642),

Gene: HufflyPuff_80 Start: 49435, Stop: 49752, Start Num: 122
Candidate Starts for HufflyPuff_80:
(46, 49252), (Start: 122 @49435 has 149 MA's), (173, 49576),

Gene: Huffy_52 Start: 33048, Stop: 33431, Start Num: 118
Candidate Starts for Huffy_52:
(Start: 118 @33048 has 10 MA's), (163, 33171), (219, 33354), (238, 33396),

Gene: Hughesyang_122 Start: 68948, Stop: 69280, Start Num: 123
Candidate Starts for Hughesyang_122:
(Start: 123 @68948 has 25 MA's), (150, 69017), (194, 69176),

Gene: Hum25_55 Start: 30658, Stop: 30984, Start Num: 127
Candidate Starts for Hum25_55:
(52, 30499), (Start: 127 @30658 has 6 MA's), (163, 30763), (198, 30895),

Gene: Huphlepuff_71 Start: 39642, Stop: 39995, Start Num: 96
Candidate Starts for Huphlepuff_71:
(Start: 96 @39642 has 20 MA's), (Start: 112 @39669 has 5 MA's), (168, 39804), (180, 39834), (189, 39885), (193, 39891), (197, 39906), (209, 39924), (215, 39948), (216, 39951),

Gene: IHOP_75 Start: 48534, Stop: 48851, Start Num: 122
Candidate Starts for IHOP_75:
(46, 48351), (Start: 122 @48534 has 149 MA's), (173, 48675),

Gene: IbOuu_65 Start: 43348, Stop: 43710, Start Num: 115
Candidate Starts for IbOuu_65:
(61, 43243), (64, 43249), (Start: 89 @43303 has 9 MA's), (Start: 115 @43348 has 239 MA's), (Start: 133 @43381 has 1 MA's), (216, 43648), (218, 43651), (236, 43693),

Gene: Ibhubesi_65 Start: 41957, Stop: 42313, Start Num: 115
Candidate Starts for Ibhubesi_65:
(Start: 115 @41957 has 239 MA's), (216, 42257), (218, 42260),

Gene: Icee_78 Start: 48433, Stop: 48750, Start Num: 122
Candidate Starts for Icee_78:
(46, 48250), (Start: 122 @48433 has 149 MA's), (173, 48574),

Gene: Inca_74 Start: 47059, Stop: 47376, Start Num: 122
Candidate Starts for Inca_74:
(46, 46876), (Start: 122 @47059 has 149 MA's), (173, 47200),

Gene: Inventum_61 Start: 42492, Stop: 42821, Start Num: 133
Candidate Starts for Inventum_61:
(61, 42354), (64, 42360), (Start: 89 @42414 has 9 MA's), (Start: 115 @42459 has 239 MA's), (Start: 133 @42492 has 1 MA's), (183, 42663), (216, 42759), (218, 42762), (236, 42804),

Gene: IrishSherpFalk_66 Start: 43547, Stop: 43909, Start Num: 115
Candidate Starts for IrishSherpFalk_66:
(Start: 115 @43547 has 239 MA's), (216, 43847), (218, 43850), (236, 43892),

Gene: Izel_67 Start: 43443, Stop: 43841, Start Num: 116
Candidate Starts for Izel_67:
(Start: 100 @43422 has 1 MA's), (Start: 116 @43443 has 35 MA's), (146, 43491), (158, 43527), (202, 43692),

Gene: Jabbawokkie_80 Start: 44082, Stop: 44423, Start Num: 115
Candidate Starts for Jabbawokkie_80:
(Start: 99 @44067 has 6 MA's), (Start: 115 @44082 has 239 MA's), (216, 44382), (218, 44385),

Gene: Jakelyne_43 Start: 25830, Stop: 26207, Start Num: 116
Candidate Starts for Jakelyne_43:
(Start: 116 @25830 has 35 MA's), (156, 25920), (194, 26067), (202, 26094), (209, 26100), (221, 26130), (246, 26196),

Gene: JalFarm20_78 Start: 46016, Stop: 46372, Start Num: 115
Candidate Starts for JalFarm20_78:
(Start: 115 @46016 has 239 MA's), (216, 46316), (218, 46319),

Gene: James_69 Start: 43743, Stop: 44105, Start Num: 115
Candidate Starts for James_69:
(Start: 115 @43743 has 239 MA's), (171, 43902), (216, 44043), (218, 44046), (236, 44088),

Gene: Jant_69 Start: 43594, Stop: 43950, Start Num: 115
Candidate Starts for Jant_69:
(Start: 115 @43594 has 239 MA's), (216, 43894), (218, 43897),

Gene: JeTaime_77 Start: 49251, Stop: 49568, Start Num: 122
Candidate Starts for JeTaime_77:
(46, 49068), (Start: 122 @49251 has 149 MA's), (173, 49392),

Gene: Jennelsea_63 Start: 41125, Stop: 41487, Start Num: 115
Candidate Starts for Jennelsea_63:
(Start: 115 @41125 has 239 MA's), (171, 41284), (216, 41425), (236, 41470),

Gene: Jeon_52 Start: 44452, Stop: 44793, Start Num: 113
Candidate Starts for Jeon_52:
(Start: 113 @44452 has 9 MA's), (144, 44506), (148, 44521), (152, 44539), (172, 44605), (177, 44623), (188, 44677), (207, 44722), (216, 44743), (225, 44767), (226, 44770),

Gene: Jerole_32 Start: 21637, Stop: 21284, Start Num: 97
Candidate Starts for Jerole_32:
(45, 21763), (54, 21724), (Start: 97 @21637 has 30 MA's), (160, 21508), (172, 21463), (210, 21343),

Gene: Jinglebell_71 Start: 45318, Stop: 45680, Start Num: 115

Candidate Starts for Jinglebell_71:
(Start: 115 @45318 has 239 MA's), (183, 45522), (216, 45618), (236, 45663),

Gene: Jobypre_66 Start: 46467, Stop: 46799, Start Num: 115
Candidate Starts for Jobypre_66:
(30, 46191), (32, 46203), (34, 46212), (35, 46236), (51, 46314), (64, 46362), (Start: 115 @46467 has 239 MA's), (172, 46611), (194, 46695), (209, 46728),

Gene: JoeyJr_61 Start: 41497, Stop: 41853, Start Num: 115
Candidate Starts for JoeyJr_61:
(61, 41392), (64, 41398), (Start: 89 @41452 has 9 MA's), (Start: 115 @41497 has 239 MA's), (Start: 133 @41530 has 1 MA's), (183, 41701), (216, 41797), (218, 41800),

Gene: JoieB_70 Start: 40075, Stop: 40428, Start Num: 96
Candidate Starts for JoieB_70:
(Start: 96 @40075 has 20 MA's), (Start: 112 @40102 has 5 MA's), (168, 40237), (180, 40267), (189, 40318), (193, 40324), (197, 40339), (209, 40357), (215, 40381), (216, 40384),

Gene: Jollymon_90 Start: 57592, Stop: 57972, Start Num: 109
Candidate Starts for Jollymon_90:
(36, 57379), (Start: 109 @57592 has 5 MA's), (Start: 117 @57604 has 1 MA's), (200, 57853), (206, 57862), (214, 57886), (217, 57892), (238, 57934),

Gene: Jubie_65 Start: 46602, Stop: 46934, Start Num: 115
Candidate Starts for Jubie_65:
(30, 46326), (32, 46338), (34, 46347), (35, 46371), (51, 46449), (64, 46497), (Start: 115 @46602 has 239 MA's), (172, 46746), (194, 46830), (209, 46863),

Gene: Juice456_66 Start: 43972, Stop: 44328, Start Num: 115
Candidate Starts for Juice456_66:
(Start: 115 @43972 has 239 MA's), (216, 44272), (218, 44275),

Gene: JuicyJay_120 Start: 70726, Stop: 71058, Start Num: 122
Candidate Starts for JuicyJay_120:
(Start: 122 @70726 has 149 MA's), (165, 70837), (169, 70861), (229, 71041),

Gene: Juniper1_65 Start: 42735, Stop: 43091, Start Num: 115
Candidate Starts for Juniper1_65:
(104, 42720), (Start: 115 @42735 has 239 MA's), (183, 42939), (216, 43035), (218, 43038),

Gene: Juno112_29 Start: 20872, Stop: 20519, Start Num: 97
Candidate Starts for Juno112_29:
(2, 21274), (25, 21124), (71, 20929), (Start: 97 @20872 has 30 MA's), (Start: 126 @20839 has 1 MA's), (160, 20743),

Gene: JustASigh_98 Start: 55410, Stop: 55766, Start Num: 132
Candidate Starts for JustASigh_98:
(90, 55332), (Start: 116 @55383 has 35 MA's), (Start: 132 @55410 has 1 MA's), (144, 55437), (161, 55491), (169, 55521), (172, 55533), (174, 55539), (202, 55644), (209, 55650), (224, 55689), (247, 55755),

Gene: KHumphrey_30 Start: 20837, Stop: 20517, Start Num: 126
Candidate Starts for KHumphrey_30:

(1, 21422), (2, 21272), (25, 21122), (71, 20927), (Start: 97 @20870 has 30 MA's), (Start: 126 @20837 has 1 MA's), (160, 20741),

Gene: Kalah2_114 Start: 67637, Stop: 67966, Start Num: 123
Candidate Starts for Kalah2_114:
(Start: 123 @67637 has 25 MA's), (150, 67706), (194, 67865), (227, 67949),

Gene: Kanye_74 Start: 48115, Stop: 48432, Start Num: 122
Candidate Starts for Kanye_74:
(46, 47932), (Start: 122 @48115 has 149 MA's), (173, 48256),

Gene: Karhdo_64 Start: 43305, Stop: 43667, Start Num: 115
Candidate Starts for Karhdo_64:
(Start: 115 @43305 has 239 MA's), (171, 43464), (216, 43605), (236, 43650),

Gene: Keelan_96 Start: 49018, Stop: 49347, Start Num: 116
Candidate Starts for Keelan_96:
(Start: 116 @49018 has 35 MA's), (158, 49114), (183, 49198), (191, 49237),

Gene: Kenuha5_63 Start: 41295, Stop: 41651, Start Num: 115
Candidate Starts for Kenuha5_63:
(Start: 115 @41295 has 239 MA's), (171, 41454), (216, 41595), (218, 41598), (232, 41634),

Gene: Kepler_32 Start: 21801, Stop: 21448, Start Num: 97
Candidate Starts for Kepler_32:
(45, 21927), (54, 21888), (Start: 97 @21801 has 30 MA's), (160, 21672), (210, 21507),

Gene: Kersh_67 Start: 44741, Stop: 45097, Start Num: 115
Candidate Starts for Kersh_67:
(Start: 115 @44741 has 239 MA's), (171, 44900), (216, 45041), (218, 45044),

Gene: Khuang_54 Start: 31611, Stop: 31976, Start Num: 127
Candidate Starts for Khuang_54:
(Start: 127 @31611 has 6 MA's), (173, 31761), (209, 31872), (212, 31887),

Gene: Kimberlium_70 Start: 44253, Stop: 44594, Start Num: 115
Candidate Starts for Kimberlium_70:
(Start: 115 @44253 has 239 MA's), (216, 44553), (218, 44556),

Gene: Kimchi_81 Start: 48772, Stop: 49089, Start Num: 122
Candidate Starts for Kimchi_81:
(46, 48589), (Start: 122 @48772 has 149 MA's), (173, 48913),

Gene: KingMidas_65 Start: 43159, Stop: 43521, Start Num: 115
Candidate Starts for KingMidas_65:
(61, 43054), (64, 43060), (Start: 89 @43114 has 9 MA's), (Start: 115 @43159 has 239 MA's), (Start: 133 @43192 has 1 MA's), (183, 43363), (216, 43459), (218, 43462), (236, 43504),

Gene: Kingsley_63 Start: 41956, Stop: 42318, Start Num: 115
Candidate Starts for Kingsley_63:
(Start: 115 @41956 has 239 MA's), (171, 42115), (183, 42160), (216, 42256), (218, 42259), (236, 42301),

Gene: KingstonB_90 Start: 57137, Stop: 57505, Start Num: 117
Candidate Starts for KingstonB_90:
(24, 56837), (36, 56912), (53, 56999), (Start: 109 @57125 has 5 MA's), (Start: 117 @57137 has 1 MA's), (200, 57386), (206, 57395), (214, 57419), (217, 57425), (238, 57467),

Gene: Klein_119 Start: 65994, Stop: 66323, Start Num: 123
Candidate Starts for Klein_119:
(Start: 123 @65994 has 25 MA's), (150, 66063), (176, 66153), (177, 66156), (194, 66222), (227, 66306),

Gene: Koella_59 Start: 38373, Stop: 38735, Start Num: 115
Candidate Starts for Koella_59:
(Start: 115 @38373 has 239 MA's), (175, 38547), (216, 38673), (236, 38718),

Gene: Kostya_77 Start: 48633, Stop: 48950, Start Num: 122
Candidate Starts for Kostya_77:
(46, 48450), (Start: 122 @48633 has 149 MA's), (173, 48774),

Gene: Kovu_90 Start: 54276, Stop: 54623, Start Num: 89
Candidate Starts for Kovu_90:
(7, 53886), (38, 54114), (Start: 89 @54276 has 9 MA's), (107, 54309), (143, 54378), (158, 54423), (171, 54477), (183, 54510),

Gene: Kozie_51 Start: 36191, Stop: 36532, Start Num: 114
Candidate Starts for Kozie_51:
(42, 35999), (55, 36059), (Start: 93 @36149 has 1 MA's), (Start: 114 @36191 has 1 MA's), (194, 36437), (209, 36470), (219, 36497),

Gene: Krakatau_62 Start: 41145, Stop: 41507, Start Num: 115
Candidate Starts for Krakatau_62:
(Start: 115 @41145 has 239 MA's), (216, 41445), (218, 41448), (236, 41490),

Gene: KristaRAM_68 Start: 44341, Stop: 44697, Start Num: 115
Candidate Starts for KristaRAM_68:
(Start: 115 @44341 has 239 MA's), (216, 44641), (218, 44644),

Gene: Krypton555_67 Start: 46693, Stop: 47025, Start Num: 115
Candidate Starts for Krypton555_67:
(30, 46417), (32, 46429), (34, 46438), (35, 46462), (51, 46540), (64, 46588), (Start: 115 @46693 has 239 MA's), (172, 46837), (194, 46921), (209, 46954),

Gene: Kuleana_32 Start: 21579, Stop: 21160, Start Num: 78
Candidate Starts for Kuleana_32:
(39, 21714), (Start: 78 @21579 has 1 MA's), (Start: 96 @21528 has 20 MA's), (Start: 126 @21480 has 1 MA's), (154, 21408), (160, 21384), (210, 21219),

Gene: Kumao_62 Start: 44058, Stop: 44420, Start Num: 100
Candidate Starts for Kumao_62:
(23, 43764), (37, 43851), (44, 43896), (47, 43911), (56, 43950), (Start: 100 @44058 has 1 MA's), (Start: 116 @44082 has 35 MA's), (137, 44118), (140, 44121), (174, 44235), (209, 44346),

Gene: Kuwabara_72 Start: 44078, Stop: 44407, Start Num: 116
Candidate Starts for Kuwabara_72:

(Start: 116 @44078 has 35 MA's), (167, 44192), (172, 44213), (194, 44297), (202, 44321), (219, 44360), (231, 44387), (239, 44399),

Gene: Laphuphu24k_28 Start: 20856, Stop: 20503, Start Num: 97
Candidate Starts for Laphuphu24k_28:
(2, 21258), (25, 21108), (71, 20913), (Start: 97 @20856 has 30 MA's), (Start: 126 @20823 has 1 MA's), (160, 20727),

Gene: Laroye_90 Start: 53231, Stop: 53557, Start Num: 89
Candidate Starts for Laroye_90:
(Start: 89 @53231 has 9 MA's), (Start: 106 @53261 has 3 MA's), (Start: 109 @53267 has 5 MA's), (146, 53336), (158, 53372), (184, 53465),

Gene: LastJedi_59 Start: 39690, Stop: 40052, Start Num: 115
Candidate Starts for LastJedi_59:
(59, 39573), (Start: 115 @39690 has 239 MA's), (171, 39849), (216, 39990), (236, 40035),

Gene: Leona_29 Start: 20943, Stop: 20590, Start Num: 97
Candidate Starts for Leona_29:
(25, 21195), (71, 21000), (Start: 97 @20943 has 30 MA's), (Start: 126 @20910 has 1 MA's), (160, 20814), (174, 20763),

Gene: Leozinho_64 Start: 41151, Stop: 41507, Start Num: 115
Candidate Starts for Leozinho_64:
(Start: 115 @41151 has 239 MA's), (171, 41310), (216, 41451), (218, 41454),

Gene: Leperchaun_58 Start: 40727, Stop: 41083, Start Num: 115
Candidate Starts for Leperchaun_58:
(61, 40622), (64, 40628), (Start: 89 @40682 has 9 MA's), (Start: 115 @40727 has 239 MA's), (Start: 133 @40760 has 1 MA's), (183, 40931), (216, 41027), (218, 41030),

Gene: Lesiram_59 Start: 33428, Stop: 33817, Start Num: 116
Candidate Starts for Lesiram_59:
(Start: 116 @33428 has 35 MA's), (163, 33554), (186, 33662), (238, 33782),

Gene: LiSara_87 Start: 53363, Stop: 53689, Start Num: 89
Candidate Starts for LiSara_87:
(Start: 89 @53363 has 9 MA's), (Start: 106 @53393 has 3 MA's), (Start: 109 @53399 has 5 MA's), (146, 53468), (158, 53504), (184, 53597),

Gene: LilJank_73 Start: 45319, Stop: 45666, Start Num: 108
Candidate Starts for LilJank_73:
(Start: 108 @45319 has 3 MA's), (151, 45400), (194, 45556), (204, 45583), (216, 45610), (218, 45613),

Gene: LilMoolah_64 Start: 42220, Stop: 42582, Start Num: 115
Candidate Starts for LilMoolah_64:
(59, 42103), (Start: 115 @42220 has 239 MA's), (171, 42379), (216, 42520), (236, 42565),

Gene: Lilac_79 Start: 48387, Stop: 48704, Start Num: 122
Candidate Starts for Lilac_79:
(46, 48204), (Start: 122 @48387 has 149 MA's), (173, 48528),

Gene: Lilbit_67 Start: 39805, Stop: 40158, Start Num: 96

Candidate Starts for Lilbit_67:
(Start: 96 @39805 has 20 MA's), (Start: 112 @39832 has 5 MA's), (168, 39967), (180, 39997), (189, 40048), (193, 40054), (197, 40069), (209, 40087), (215, 40111), (216, 40114),

Gene: Lilizi_78 Start: 48100, Stop: 48417, Start Num: 122
Candidate Starts for Lilizi_78:
(46, 47917), (Start: 122 @48100 has 149 MA's), (173, 48241),

Gene: Lilpickle_76 Start: 47985, Stop: 48302, Start Num: 122
Candidate Starts for Lilpickle_76:
(46, 47802), (Start: 122 @47985 has 149 MA's), (173, 48126),

Gene: LitninMcQueen_71 Start: 42944, Stop: 43273, Start Num: 116
Candidate Starts for LitninMcQueen_71:
(Start: 116 @42944 has 35 MA's), (194, 43163), (231, 43253), (239, 43265),

Gene: LittleE_122 Start: 67384, Stop: 67704, Start Num: 123
Candidate Starts for LittleE_122:
(Start: 123 @67384 has 25 MA's), (150, 67453), (163, 67495), (194, 67612),

Gene: LittleLaf_69 Start: 39534, Stop: 39887, Start Num: 96
Candidate Starts for LittleLaf_69:
(Start: 96 @39534 has 20 MA's), (Start: 112 @39561 has 5 MA's), (168, 39696), (180, 39726), (189, 39777), (193, 39783), (197, 39798), (209, 39816), (215, 39840), (216, 39843),

Gene: LittleShirley_65 Start: 42793, Stop: 43149, Start Num: 115
Candidate Starts for LittleShirley_65:
(Start: 115 @42793 has 239 MA's), (183, 42997), (216, 43093), (218, 43096),

Gene: LittleTokyo_32 Start: 21633, Stop: 21280, Start Num: 106
Candidate Starts for LittleTokyo_32:
(Start: 106 @21633 has 3 MA's), (154, 21528), (160, 21504),

Gene: Livelaughbron_79 Start: 49563, Stop: 49880, Start Num: 122
Candidate Starts for Livelaughbron_79:
(46, 49380), (Start: 122 @49563 has 149 MA's), (173, 49704),

Gene: Lizziana_71 Start: 43224, Stop: 43586, Start Num: 115
Candidate Starts for Lizziana_71:
(Start: 115 @43224 has 239 MA's), (171, 43383), (216, 43524), (218, 43527), (236, 43569),

Gene: Llama_70 Start: 45173, Stop: 45535, Start Num: 115
Candidate Starts for Llama_70:
(Start: 115 @45173 has 239 MA's), (183, 45377), (216, 45473), (236, 45518),

Gene: Llij_61 Start: 40711, Stop: 41073, Start Num: 115
Candidate Starts for Llij_61:
(Start: 115 @40711 has 239 MA's), (171, 40870), (216, 41011), (218, 41014), (236, 41056),

Gene: Lolly9_65 Start: 46290, Stop: 46622, Start Num: 115
Candidate Starts for Lolly9_65:
(Start: 115 @46290 has 239 MA's), (Start: 134 @46320 has 1 MA's), (167, 46413), (174, 46440), (194, 46518), (209, 46551), (225, 46599),

Gene: Lorde_65 Start: 39998, Stop: 40360, Start Num: 115
Candidate Starts for Lorde_65:
(Start: 115 @39998 has 239 MA's), (171, 40157), (216, 40298), (218, 40301), (236, 40343),

Gene: Lucky2013_115 Start: 64045, Stop: 64419, Start Num: 93
Candidate Starts for Lucky2013_115:
(Start: 93 @64045 has 1 MA's), (Start: 95 @64054 has 1 MA's), (151, 64162), (165, 64207), (194, 64327),

Gene: Lumos_67 Start: 46464, Stop: 46796, Start Num: 115
Candidate Starts for Lumos_67:
(30, 46188), (32, 46200), (34, 46209), (35, 46233), (51, 46311), (64, 46359), (Start: 115 @46464 has 239 MA's), (172, 46608), (194, 46692), (209, 46725),

Gene: LunaBlu_67 Start: 42492, Stop: 42854, Start Num: 115
Candidate Starts for LunaBlu_67:
(Start: 115 @42492 has 239 MA's), (171, 42651), (216, 42792), (236, 42837),

Gene: LunaStella_65 Start: 42568, Stop: 42930, Start Num: 115
Candidate Starts for LunaStella_65:
(Start: 115 @42568 has 239 MA's), (216, 42868), (218, 42871), (236, 42913),

Gene: Lunar_32 Start: 21502, Stop: 21149, Start Num: 97
Candidate Starts for Lunar_32:
(45, 21628), (54, 21589), (Start: 97 @21502 has 30 MA's), (160, 21373), (172, 21328), (210, 21208),

Gene: MISSy_78 Start: 48491, Stop: 48808, Start Num: 122
Candidate Starts for MISSy_78:
(46, 48308), (Start: 122 @48491 has 149 MA's), (173, 48632),

Gene: MPhalcon_78 Start: 48484, Stop: 48801, Start Num: 122
Candidate Starts for MPhalcon_78:
(46, 48301), (Start: 122 @48484 has 149 MA's), (173, 48625),

Gene: MadMen_65 Start: 42619, Stop: 42975, Start Num: 115
Candidate Starts for MadMen_65:
(59, 42502), (Start: 115 @42619 has 239 MA's), (171, 42778), (216, 42919), (218, 42922),

Gene: MadamMonkfish_77 Start: 47709, Stop: 48026, Start Num: 122
Candidate Starts for MadamMonkfish_77:
(46, 47526), (Start: 122 @47709 has 149 MA's), (173, 47850),

Gene: Madiba_66 Start: 41725, Stop: 42087, Start Num: 115
Candidate Starts for Madiba_66:
(Start: 115 @41725 has 239 MA's), (171, 41884), (216, 42025), (236, 42070),

Gene: Mahavrat_62 Start: 41431, Stop: 41787, Start Num: 115
Candidate Starts for Mahavrat_62:
(Start: 115 @41431 has 239 MA's), (216, 41731),

Gene: Makar_95 Start: 57425, Stop: 57805, Start Num: 109
Candidate Starts for Makar_95:

(53, 57299), (Start: 109 @57425 has 5 MA's), (200, 57686), (206, 57695), (235, 57764), (243, 57782),

Gene: Manda_78 Start: 49571, Stop: 49888, Start Num: 122
Candidate Starts for Manda_78:
(46, 49388), (Start: 122 @49571 has 149 MA's), (173, 49712),

Gene: Mandlovu_61 Start: 39854, Stop: 40216, Start Num: 115
Candidate Starts for Mandlovu_61:
(Start: 115 @39854 has 239 MA's), (216, 40154), (218, 40157), (236, 40199),

Gene: Mantra_62 Start: 41207, Stop: 41563, Start Num: 115
Candidate Starts for Mantra_62:
(Start: 99 @41192 has 6 MA's), (Start: 115 @41207 has 239 MA's), (216, 41507), (218, 41510),

Gene: Maravista_67 Start: 44362, Stop: 44724, Start Num: 115
Candidate Starts for Maravista_67:
(Start: 115 @44362 has 239 MA's), (171, 44521), (175, 44536), (216, 44662), (236, 44707),

Gene: Margaery_51 Start: 36177, Stop: 36518, Start Num: 111
Candidate Starts for Margaery_51:
(14, 35859), (15, 35862), (17, 35868), (21, 35898), (27, 35925), (28, 35928), (77, 36120), (103, 36165), (105, 36168), (Start: 111 @36177 has 1 MA's), (Start: 132 @36210 has 1 MA's), (162, 36300), (167, 36318), (185, 36393), (190, 36417), (194, 36423), (219, 36483),

Gene: Mariel_42 Start: 26189, Stop: 26566, Start Num: 116
Candidate Starts for Mariel_42:
(Start: 116 @26189 has 35 MA's), (147, 26252), (156, 26279), (202, 26453), (209, 26459), (216, 26480), (246, 26555),

Gene: Marker_67 Start: 42458, Stop: 42814, Start Num: 115
Candidate Starts for Marker_67:
(59, 42341), (Start: 115 @42458 has 239 MA's), (216, 42758), (218, 42761), (232, 42797),

Gene: Marshmallow_75 Start: 49264, Stop: 49581, Start Num: 122
Candidate Starts for Marshmallow_75:
(46, 49081), (Start: 122 @49264 has 149 MA's), (Start: 134 @49288 has 1 MA's), (173, 49405),

Gene: Martik_65 Start: 42396, Stop: 42752, Start Num: 115
Candidate Starts for Martik_65:
(59, 42279), (Start: 115 @42396 has 239 MA's), (171, 42555), (216, 42696), (218, 42699),

Gene: Marvin_65 Start: 39295, Stop: 39648, Start Num: 96
Candidate Starts for Marvin_65:
(Start: 96 @39295 has 20 MA's), (Start: 112 @39322 has 5 MA's), (168, 39457), (180, 39487), (189, 39538), (193, 39544), (197, 39559), (209, 39577), (215, 39601), (216, 39604),

Gene: MaryV_77 Start: 48609, Stop: 48974, Start Num: 98
Candidate Starts for MaryV_77:
(74, 48546), (Start: 98 @48609 has 5 MA's), (178, 48801), (216, 48921), (231, 48954),

Gene: Mattes_69 Start: 43743, Stop: 44105, Start Num: 115
Candidate Starts for Mattes_69:
(Start: 115 @43743 has 239 MA's), (171, 43902), (216, 44043), (218, 44046), (236, 44088),

Gene: Matzah_54 Start: 37029, Stop: 37364, Start Num: 112
Candidate Starts for Matzah_54:
(105, 37017), (107, 37020), (Start: 112 @37029 has 5 MA's), (Start: 132 @37056 has 1 MA's), (153, 37113), (167, 37164), (185, 37239), (194, 37269), (199, 37290), (219, 37329),

Gene: Maxxinista_79 Start: 48360, Stop: 48677, Start Num: 122
Candidate Starts for Maxxinista_79:
(46, 48177), (Start: 122 @48360 has 149 MA's), (173, 48501),

Gene: Medindi_61 Start: 39515, Stop: 39877, Start Num: 115
Candidate Starts for Medindi_61:
(Start: 115 @39515 has 239 MA's), (Start: 133 @39548 has 1 MA's), (183, 39719), (216, 39815), (218, 39818), (236, 39860),

Gene: Megabear_52 Start: 43843, Stop: 44184, Start Num: 113
Candidate Starts for Megabear_52:
(Start: 113 @43843 has 9 MA's), (144, 43897), (148, 43912), (152, 43930), (172, 43996), (177, 44014), (188, 44068), (207, 44113), (216, 44134), (225, 44158), (226, 44161),

Gene: Megan_52 Start: 39265, Stop: 39606, Start Num: 122
Candidate Starts for Megan_52:
(18, 38917), (28, 38971), (31, 38992), (33, 39001), (43, 39076), (46, 39088), (50, 39103), (57, 39136), (67, 39160), (75, 39175), (92, 39217), (Start: 122 @39265 has 149 MA's), (141, 39298), (190, 39493), (194, 39499), (202, 39526), (209, 39532), (213, 39550),

Gene: Melissauren88_63 Start: 41372, Stop: 41734, Start Num: 115
Candidate Starts for Melissauren88_63:
(Start: 115 @41372 has 239 MA's), (216, 41672), (218, 41675), (236, 41717),

Gene: Melons_32 Start: 21502, Stop: 21149, Start Num: 97
Candidate Starts for Melons_32:
(45, 21628), (54, 21589), (Start: 97 @21502 has 30 MA's), (160, 21373), (172, 21328), (210, 21208),

Gene: MementoMori_53 Start: 36606, Stop: 36941, Start Num: 112
Candidate Starts for MementoMori_53:
(14, 36288), (15, 36291), (17, 36297), (21, 36327), (27, 36354), (28, 36357), (77, 36549), (105, 36594), (107, 36597), (Start: 112 @36606 has 5 MA's), (Start: 132 @36633 has 1 MA's), (167, 36741), (185, 36816), (194, 36846), (199, 36867), (219, 36906),

Gene: MenE_42 Start: 25720, Stop: 26097, Start Num: 116
Candidate Starts for MenE_42:
(Start: 116 @25720 has 35 MA's), (147, 25783), (156, 25810), (202, 25984), (209, 25990), (216, 26011), (246, 26086),

Gene: Merpity_54 Start: 31317, Stop: 31670, Start Num: 127
Candidate Starts for Merpity_54:
(Start: 127 @31317 has 6 MA's), (163, 31422), (237, 31638),

Gene: MiaZeal_118 Start: 64854, Stop: 65177, Start Num: 122
Candidate Starts for MiaZeal_118:
(Start: 122 @64854 has 149 MA's), (165, 64965), (194, 65085),

Gene: MilleniumForce_68 Start: 44060, Stop: 44416, Start Num: 115
Candidate Starts for MilleniumForce_68:
(Start: 115 @44060 has 239 MA's), (216, 44360), (218, 44363),

Gene: Mindy_76 Start: 47576, Stop: 47893, Start Num: 122
Candidate Starts for Mindy_76:
(46, 47393), (Start: 122 @47576 has 149 MA's), (173, 47717),

Gene: Minerva_120 Start: 67549, Stop: 67881, Start Num: 123
Candidate Starts for Minerva_120:
(Start: 123 @67549 has 25 MA's), (150, 67618), (194, 67777),

Gene: MiniLon_69 Start: 46291, Stop: 46623, Start Num: 115
Candidate Starts for MiniLon_69:
(Start: 115 @46291 has 239 MA's), (Start: 134 @46321 has 1 MA's), (167, 46414), (174, 46441), (194, 46519), (209, 46552), (225, 46600),

Gene: MiniMac_69 Start: 46319, Stop: 46621, Start Num: 134
Candidate Starts for MiniMac_69:
(Start: 115 @46289 has 239 MA's), (Start: 134 @46319 has 1 MA's), (167, 46412), (174, 46439), (194, 46517), (209, 46550), (225, 46598),

Gene: MinionDave_64 Start: 42746, Stop: 43108, Start Num: 115
Candidate Starts for MinionDave_64:
(59, 42629), (Start: 115 @42746 has 239 MA's), (171, 42905), (216, 43046), (236, 43091),

Gene: Miniwave_72 Start: 48029, Stop: 48346, Start Num: 122
Candidate Starts for Miniwave_72:
(46, 47846), (Start: 122 @48029 has 149 MA's), (173, 48170),

Gene: Minnie_68 Start: 43966, Stop: 44328, Start Num: 115
Candidate Starts for Minnie_68:
(59, 43849), (Start: 115 @43966 has 239 MA's), (171, 44125), (216, 44266), (236, 44311),

Gene: Misfit_78 Start: 49503, Stop: 49820, Start Num: 122
Candidate Starts for Misfit_78:
(46, 49320), (Start: 122 @49503 has 149 MA's), (173, 49644),

Gene: MisterCuddles_63 Start: 41692, Stop: 42054, Start Num: 115
Candidate Starts for MisterCuddles_63:
(Start: 115 @41692 has 239 MA's), (216, 41992), (236, 42037),

Gene: ModicumRichard_107 Start: 60769, Stop: 61155, Start Num: 120
Candidate Starts for ModicumRichard_107:
(81, 60703), (86, 60712), (Start: 120 @60769 has 5 MA's), (136, 60796), (139, 60799), (146, 60820), (158, 60856), (172, 60910), (197, 60997), (209, 61021),

Gene: Modragons_69 Start: 45162, Stop: 45524, Start Num: 115
Candidate Starts for Modragons_69:
(Start: 115 @45162 has 239 MA's), (183, 45366), (216, 45462), (236, 45507),

Gene: Moldemort_80 Start: 48588, Stop: 48905, Start Num: 122
Candidate Starts for Moldemort_80:

(46, 48405), (Start: 122 @48588 has 149 MA's), (173, 48729),

Gene: MollyToe_72 Start: 47330, Stop: 47647, Start Num: 122
Candidate Starts for MollyToe_72:
(46, 47147), (Start: 122 @47330 has 149 MA's), (173, 47471),

Gene: MooMoo_66 Start: 43589, Stop: 43945, Start Num: 119
Candidate Starts for MooMoo_66:
(Start: 119 @43589 has 1 MA's), (131, 43610), (Start: 133 @43616 has 1 MA's), (148, 43658), (163, 43712), (176, 43760), (195, 43838), (201, 43850), (216, 43883), (225, 43907), (241, 43937),

Gene: Moonbeam_64 Start: 41974, Stop: 42336, Start Num: 115
Candidate Starts for Moonbeam_64:
(Start: 115 @41974 has 239 MA's), (138, 42016), (171, 42133), (216, 42274), (236, 42319),

Gene: Morgana_114 Start: 62857, Stop: 63246, Start Num: 120
Candidate Starts for Morgana_114:
(10, 62464), (19, 62533), (26, 62569), (41, 62653), (Start: 120 @62857 has 5 MA's), (139, 62890), (146, 62911), (187, 63058), (197, 63088), (209, 63112),

Gene: MortyNRick_70 Start: 44625, Stop: 44951, Start Num: 116
Candidate Starts for MortyNRick_70:
(Start: 116 @44625 has 35 MA's), (183, 44802), (194, 44847), (220, 44910),

Gene: MosMoris_66 Start: 39225, Stop: 39578, Start Num: 96
Candidate Starts for MosMoris_66:
(Start: 96 @39225 has 20 MA's), (Start: 112 @39252 has 5 MA's), (168, 39387), (180, 39417), (189, 39468), (193, 39474), (197, 39489), (209, 39507), (215, 39531), (216, 39534),

Gene: Mosby_73 Start: 47786, Stop: 48103, Start Num: 122
Candidate Starts for Mosby_73:
(46, 47603), (Start: 122 @47786 has 149 MA's), (173, 47927),

Gene: Mova_69 Start: 42229, Stop: 42585, Start Num: 115
Candidate Starts for Mova_69:
(Start: 115 @42229 has 239 MA's), (171, 42388), (216, 42529), (218, 42532), (236, 42568),

Gene: Mozy_75 Start: 44841, Stop: 45203, Start Num: 115
Candidate Starts for Mozy_75:
(Start: 100 @44826 has 1 MA's), (Start: 115 @44841 has 239 MA's), (171, 45000), (216, 45141), (236, 45186),

Gene: MrMagoo_76 Start: 46031, Stop: 46429, Start Num: 116
Candidate Starts for MrMagoo_76:
(Start: 116 @46031 has 35 MA's), (158, 46115), (183, 46211),

Gene: MrSmee_53 Start: 31291, Stop: 31644, Start Num: 127
Candidate Starts for MrSmee_53:
(Start: 127 @31291 has 6 MA's), (163, 31396), (237, 31612),

Gene: Ms6_62 Start: 37737, Stop: 38099, Start Num: 115
Candidate Starts for Ms6_62:
(Start: 115 @37737 has 239 MA's), (216, 38037), (218, 38040), (236, 38082),

Gene: MsGreen_66 Start: 46467, Stop: 46799, Start Num: 115
Candidate Starts for MsGreen_66:
(30, 46191), (32, 46203), (34, 46212), (35, 46236), (51, 46314), (64, 46362), (Start: 115 @46467 has 239 MA's), (172, 46611), (194, 46695), (209, 46728),

Gene: MulchExplorer_69 Start: 44252, Stop: 44593, Start Num: 115
Candidate Starts for MulchExplorer_69:
(Start: 115 @44252 has 239 MA's), (216, 44552), (218, 44555),

Gene: Murica_80 Start: 49435, Stop: 49752, Start Num: 122
Candidate Starts for Murica_80:
(46, 49252), (Start: 122 @49435 has 149 MA's), (173, 49576),

Gene: Murphy_77 Start: 48872, Stop: 49189, Start Num: 122
Candidate Starts for Murphy_77:
(46, 48689), (Start: 122 @48872 has 149 MA's), (173, 49013),

Gene: Mutaforma13_71 Start: 45673, Stop: 46035, Start Num: 115
Candidate Starts for Mutaforma13_71:
(Start: 115 @45673 has 239 MA's), (216, 45973), (236, 46018),

Gene: Myrale_77 Start: 49129, Stop: 49446, Start Num: 122
Candidate Starts for Myrale_77:
(46, 48946), (Start: 122 @49129 has 149 MA's), (173, 49270),

Gene: NCRodriguez_42 Start: 25942, Stop: 26319, Start Num: 116
Candidate Starts for NCRodriguez_42:
(Start: 116 @25942 has 35 MA's), (147, 26005), (156, 26032), (173, 26098), (202, 26206), (209, 26212), (216, 26233), (246, 26308),

Gene: Nala_79 Start: 48993, Stop: 49310, Start Num: 122
Candidate Starts for Nala_79:
(46, 48810), (Start: 122 @48993 has 149 MA's), (173, 49134),

Gene: Nebkiss_84 Start: 48920, Stop: 49243, Start Num: 124
Candidate Starts for Nebkiss_84:
(Start: 124 @48920 has 5 MA's), (148, 48983), (218, 49208), (219, 49211),

Gene: NelitzaMV_75 Start: 48075, Stop: 48392, Start Num: 122
Candidate Starts for NelitzaMV_75:
(46, 47892), (Start: 122 @48075 has 149 MA's), (173, 48216),

Gene: Neroxid_50 Start: 30070, Stop: 30396, Start Num: 127
Candidate Starts for Neroxid_50:
(49, 29899), (Start: 127 @30070 has 6 MA's), (163, 30175), (198, 30307),

Gene: Nicole72_53 Start: 39892, Stop: 40239, Start Num: 122
Candidate Starts for Nicole72_53:
(84, 39826), (92, 39844), (Start: 122 @39892 has 149 MA's), (183, 40084), (202, 40153), (209, 40159),

Gene: NihilNomen_125 Start: 68678, Stop: 69010, Start Num: 122
Candidate Starts for NihilNomen_125:

(Start: 122 @68678 has 149 MA's), (165, 68789), (169, 68813), (229, 68993),

Gene: Nimbo_59 Start: 41301, Stop: 41663, Start Num: 115
Candidate Starts for Nimbo_59:
(61, 41196), (64, 41202), (Start: 89 @41256 has 9 MA's), (Start: 115 @41301 has 239 MA's), (Start: 133 @41334 has 1 MA's), (216, 41601), (218, 41604), (236, 41646),

Gene: Nimrod_78 Start: 49696, Stop: 50013, Start Num: 122
Candidate Starts for Nimrod_78:
(46, 49513), (Start: 122 @49696 has 149 MA's), (173, 49837),

Gene: Nitzel_62 Start: 41489, Stop: 41851, Start Num: 115
Candidate Starts for Nitzel_62:
(Start: 115 @41489 has 239 MA's), (216, 41789), (218, 41792), (236, 41834),

Gene: Nivrat_62 Start: 42093, Stop: 42455, Start Num: 115
Candidate Starts for Nivrat_62:
(59, 41976), (Start: 115 @42093 has 239 MA's), (171, 42252), (216, 42393), (236, 42438),

Gene: NoSleep_78 Start: 48330, Stop: 48647, Start Num: 122
Candidate Starts for NoSleep_78:
(46, 48147), (Start: 122 @48330 has 149 MA's), (173, 48471),

Gene: NonchalantPear_77 Start: 48183, Stop: 48500, Start Num: 122
Candidate Starts for NonchalantPear_77:
(46, 48000), (Start: 122 @48183 has 149 MA's), (173, 48324),

Gene: NormanBulbieJr_65 Start: 42386, Stop: 42748, Start Num: 115
Candidate Starts for NormanBulbieJr_65:
(Start: 115 @42386 has 239 MA's), (175, 42560), (216, 42686), (236, 42731),

Gene: ODay_78 Start: 45557, Stop: 45886, Start Num: 116
Candidate Starts for ODay_78:
(62, 45443), (Start: 99 @45533 has 6 MA's), (Start: 116 @45557 has 35 MA's), (140, 45584), (194, 45776), (231, 45866), (239, 45878),

Gene: ObLaDi_106 Start: 60168, Stop: 60557, Start Num: 120
Candidate Starts for ObLaDi_106:
(12, 59793), (31, 59892), (Start: 120 @60168 has 5 MA's), (139, 60201), (146, 60222), (187, 60369), (197, 60399), (209, 60423),

Gene: Ochi17_69 Start: 44769, Stop: 45131, Start Num: 115
Candidate Starts for Ochi17_69:
(Start: 115 @44769 has 239 MA's), (183, 44973), (216, 45069), (236, 45114),

Gene: Octobien14_72 Start: 45181, Stop: 45522, Start Num: 106
Candidate Starts for Octobien14_72:
(Start: 106 @45181 has 3 MA's), (158, 45283), (172, 45337), (194, 45421),

Gene: OfUltron_71 Start: 45318, Stop: 45680, Start Num: 115
Candidate Starts for OfUltron_71:
(Start: 115 @45318 has 239 MA's), (183, 45522), (216, 45618), (236, 45663),

Gene: Ogopogo_71 Start: 42797, Stop: 43153, Start Num: 115
Candidate Starts for Ogopogo_71:
(60, 42686), (Start: 115 @42797 has 239 MA's), (216, 43097), (218, 43100),

Gene: OldBen_63 Start: 42694, Stop: 43056, Start Num: 115
Candidate Starts for OldBen_63:
(61, 42589), (64, 42595), (Start: 89 @42649 has 9 MA's), (Start: 115 @42694 has 239 MA's), (Start: 133 @42727 has 1 MA's), (216, 42994), (218, 42997), (236, 43039),

Gene: OlympiaSaint_67 Start: 42685, Stop: 43047, Start Num: 115
Candidate Starts for OlympiaSaint_67:
(Start: 115 @42685 has 239 MA's), (171, 42844), (216, 42985), (218, 42988), (236, 43030),

Gene: Oppalora_29 Start: 20837, Stop: 20517, Start Num: 126
Candidate Starts for Oppalora_29:
(2, 21272), (25, 21122), (71, 20927), (Start: 97 @20870 has 30 MA's), (Start: 126 @20837 has 1 MA's), (160, 20741),

Gene: Optimus_113 Start: 65945, Stop: 66277, Start Num: 123
Candidate Starts for Optimus_113:
(Start: 123 @65945 has 25 MA's), (150, 66014), (176, 66104), (177, 66107), (194, 66173),

Gene: OrionPax_76 Start: 48081, Stop: 48398, Start Num: 122
Candidate Starts for OrionPax_76:
(46, 47898), (Start: 122 @48081 has 149 MA's), (Start: 134 @48105 has 1 MA's), (173, 48222),

Gene: OtsoOtso_32 Start: 21366, Stop: 21013, Start Num: 97
Candidate Starts for OtsoOtso_32:
(45, 21492), (54, 21453), (Start: 97 @21366 has 30 MA's), (160, 21237), (172, 21192), (210, 21072),

Gene: Ovechkin_65 Start: 42688, Stop: 43050, Start Num: 115
Candidate Starts for Ovechkin_65:
(Start: 115 @42688 has 239 MA's), (216, 42988), (218, 42991), (236, 43033),

Gene: OwlsT2W_65 Start: 42020, Stop: 42376, Start Num: 115
Candidate Starts for OwlsT2W_65:
(Start: 115 @42020 has 239 MA's), (171, 42179), (216, 42320),

Gene: PHappiness_61 Start: 41273, Stop: 41629, Start Num: 115
Candidate Starts for PHappiness_61:
(61, 41168), (64, 41174), (Start: 89 @41228 has 9 MA's), (Start: 115 @41273 has 239 MA's), (Start: 133 @41306 has 1 MA's), (183, 41477), (216, 41573), (218, 41576),

Gene: PMC_62 Start: 42410, Stop: 42766, Start Num: 115
Candidate Starts for PMC_62:
(Start: 115 @42410 has 239 MA's), (216, 42710), (218, 42713),

Gene: PR_52 Start: 44447, Stop: 44788, Start Num: 113
Candidate Starts for PR_52:
(Start: 113 @44447 has 9 MA's), (144, 44501), (148, 44516), (152, 44534), (172, 44600), (177, 44618), (188, 44672), (207, 44717), (216, 44738), (225, 44762), (226, 44765),

Gene: Pacc40_59 Start: 40742, Stop: 41104, Start Num: 115

Candidate Starts for Pacc40_59:
(59, 40625), (Start: 115 @40742 has 239 MA's), (171, 40901), (216, 41042), (236, 41087),

Gene: PaddyBaddy_77 Start: 48084, Stop: 48401, Start Num: 122
Candidate Starts for PaddyBaddy_77:
(46, 47901), (Start: 122 @48084 has 149 MA's), (173, 48225),

Gene: Palpatine_79 Start: 49462, Stop: 49779, Start Num: 122
Candidate Starts for Palpatine_79:
(46, 49279), (Start: 122 @49462 has 149 MA's), (173, 49603),

Gene: Paperbeatsrock_76 Start: 48707, Stop: 49024, Start Num: 122
Candidate Starts for Paperbeatsrock_76:
(46, 48524), (Start: 122 @48707 has 149 MA's), (173, 48848),

Gene: Pat3_75 Start: 47239, Stop: 47556, Start Num: 122
Candidate Starts for Pat3_75:
(46, 47056), (Start: 122 @47239 has 149 MA's), (Start: 134 @47263 has 1 MA's), (173, 47380),

Gene: Peridot_64 Start: 41712, Stop: 42074, Start Num: 115
Candidate Starts for Peridot_64:
(Start: 115 @41712 has 239 MA's), (216, 42012), (218, 42015), (236, 42057),

Gene: Petra64142_81 Start: 49926, Stop: 50243, Start Num: 122
Candidate Starts for Petra64142_81:
(46, 49743), (Start: 122 @49926 has 149 MA's), (173, 50067),

Gene: Phabuloso_75 Start: 43819, Stop: 44166, Start Num: 124
Candidate Starts for Phabuloso_75:
(65, 43705), (Start: 106 @43795 has 3 MA's), (Start: 124 @43819 has 5 MA's), (Start: 133 @43840 has 1 MA's), (142, 43858), (144, 43867), (163, 43942), (172, 43975), (177, 43993), (192, 44056), (194, 44059), (205, 44089), (218, 44119), (229, 44146), (236, 44158),

Gene: Phaja_75 Start: 48533, Stop: 48850, Start Num: 122
Candidate Starts for Phaja_75:
(46, 48350), (Start: 122 @48533 has 149 MA's), (173, 48674),

Gene: Phalconet_63 Start: 40623, Stop: 40985, Start Num: 115
Candidate Starts for Phalconet_63:
(Start: 115 @40623 has 239 MA's), (216, 40923), (218, 40926), (236, 40968),

Gene: Phanphagia_61 Start: 42234, Stop: 42596, Start Num: 115
Candidate Starts for Phanphagia_61:
(Start: 115 @42234 has 239 MA's), (216, 42534), (218, 42537), (236, 42579),

Gene: PhaoMing_57 Start: 39593, Stop: 39922, Start Num: 116
Candidate Starts for PhaoMing_57:
(62, 39479), (Start: 99 @39569 has 6 MA's), (Start: 116 @39593 has 35 MA's), (140, 39620), (167, 39707), (184, 39776), (194, 39812), (202, 39836), (219, 39875), (231, 39902), (239, 39914),

Gene: Pharsalus_74 Start: 48507, Stop: 48824, Start Num: 122
Candidate Starts for Pharsalus_74:
(46, 48324), (Start: 122 @48507 has 149 MA's), (173, 48648),

Gene: PhatBacter_81 Start: 49479, Stop: 49796, Start Num: 122
Candidate Starts for PhatBacter_81:
(46, 49296), (Start: 122 @49479 has 149 MA's), (173, 49620),

Gene: Phatniss_63 Start: 41806, Stop: 42168, Start Num: 115
Candidate Starts for Phatniss_63:
(Start: 115 @41806 has 239 MA's), (171, 41965), (216, 42106), (218, 42109), (236, 42151),

Gene: Phaux_79 Start: 49474, Stop: 49791, Start Num: 122
Candidate Starts for Phaux_79:
(46, 49291), (Start: 122 @49474 has 149 MA's), (173, 49615),

Gene: PhesterPhotato_65 Start: 41443, Stop: 41799, Start Num: 115
Candidate Starts for PhesterPhotato_65:
(Start: 115 @41443 has 239 MA's), (171, 41602), (216, 41743), (218, 41746),

Gene: Philus_69 Start: 43883, Stop: 44239, Start Num: 115
Candidate Starts for Philus_69:
(59, 43766), (Start: 115 @43883 has 239 MA's), (175, 44057), (216, 44183), (218, 44186), (232, 44222),

Gene: Phingu_44 Start: 25833, Stop: 26210, Start Num: 116
Candidate Starts for Phingu_44:
(Start: 116 @25833 has 35 MA's), (147, 25896), (156, 25923), (202, 26097), (209, 26103), (246, 26199),

Gene: PhirstandPhine_32 Start: 21645, Stop: 21292, Start Num: 97
Candidate Starts for PhirstandPhine_32:
(45, 21771), (54, 21732), (Start: 97 @21645 has 30 MA's), (160, 21516), (172, 21471), (210, 21351),

Gene: PhlipPhlop_65 Start: 44108, Stop: 44470, Start Num: 115
Candidate Starts for PhlipPhlop_65:
(59, 43991), (Start: 115 @44108 has 239 MA's), (138, 44150), (171, 44267), (216, 44408), (218, 44411), (236, 44453),

Gene: PhluffyCoco_30 Start: 20856, Stop: 20503, Start Num: 97
Candidate Starts for PhluffyCoco_30:
(2, 21258), (25, 21108), (71, 20913), (Start: 97 @20856 has 30 MA's), (Start: 126 @20823 has 1 MA's), (160, 20727),

Gene: Phoebus_124 Start: 70535, Stop: 70867, Start Num: 122
Candidate Starts for Phoebus_124:
(Start: 122 @70535 has 149 MA's), (165, 70646), (169, 70670), (229, 70850),

Gene: Phonegingi_41 Start: 25666, Stop: 26043, Start Num: 116
Candidate Starts for Phonegingi_41:
(Start: 116 @25666 has 35 MA's), (147, 25729), (156, 25756), (194, 25903), (202, 25930), (209, 25936), (221, 25966), (246, 26032),

Gene: Phrux_74 Start: 48070, Stop: 48387, Start Num: 122
Candidate Starts for Phrux_74:
(46, 47887), (Start: 122 @48070 has 149 MA's), (173, 48211),

Gene: Pineda_33 Start: 21654, Stop: 21301, Start Num: 97
Candidate Starts for Pineda_33:
(45, 21780), (54, 21741), (Start: 97 @21654 has 30 MA's), (160, 21525), (172, 21480), (210, 21360),

Gene: Pippy_64 Start: 41724, Stop: 42086, Start Num: 115
Candidate Starts for Pippy_64:
(Start: 115 @41724 has 239 MA's), (171, 41883), (175, 41898), (216, 42024), (236, 42069),

Gene: Pitbull_53 Start: 29779, Stop: 30105, Start Num: 127
Candidate Starts for Pitbull_53:
(71, 29674), (Start: 127 @29779 has 6 MA's), (163, 29884), (198, 30016),

Gene: Plumbus_68 Start: 42573, Stop: 42935, Start Num: 115
Candidate Starts for Plumbus_68:
(Start: 115 @42573 has 239 MA's), (216, 42873), (218, 42876), (236, 42918),

Gene: Poise_69 Start: 39121, Stop: 39474, Start Num: 96
Candidate Starts for Poise_69:
(Start: 96 @39121 has 20 MA's), (Start: 112 @39148 has 5 MA's), (168, 39283), (180, 39313), (189, 39364), (193, 39370), (197, 39385), (209, 39403), (215, 39427), (216, 39430),

Gene: Policronamos_80 Start: 49474, Stop: 49791, Start Num: 122
Candidate Starts for Policronamos_80:
(46, 49291), (Start: 122 @49474 has 149 MA's), (173, 49615),

Gene: Polka_31 Start: 21366, Stop: 21013, Start Num: 97
Candidate Starts for Polka_31:
(45, 21492), (54, 21453), (Start: 97 @21366 has 30 MA's), (160, 21237), (172, 21192), (210, 21072),

Gene: Polka14_64 Start: 42337, Stop: 42693, Start Num: 115
Candidate Starts for Polka14_64:
(61, 42232), (64, 42238), (Start: 89 @42292 has 9 MA's), (Start: 115 @42337 has 239 MA's), (Start: 133 @42370 has 1 MA's), (183, 42541), (216, 42637), (218, 42640),

Gene: Pollywog_66 Start: 43003, Stop: 43359, Start Num: 115
Candidate Starts for Pollywog_66:
(Start: 115 @43003 has 239 MA's), (171, 43162), (216, 43303), (218, 43306),

Gene: PopTart_59 Start: 40248, Stop: 40610, Start Num: 115
Candidate Starts for PopTart_59:
(Start: 115 @40248 has 239 MA's), (216, 40548), (218, 40551), (236, 40593),

Gene: Porky_76 Start: 47900, Stop: 48217, Start Num: 122
Candidate Starts for Porky_76:
(46, 47717), (Start: 122 @47900 has 149 MA's), (173, 48041),

Gene: Pound_112 Start: 66568, Stop: 66897, Start Num: 123
Candidate Starts for Pound_112:
(Start: 123 @66568 has 25 MA's), (150, 66637), (194, 66796), (227, 66880),

Gene: Pringar_68 Start: 39443, Stop: 39796, Start Num: 96
Candidate Starts for Pringar_68:

(Start: 96 @39443 has 20 MA's), (Start: 112 @39470 has 5 MA's), (168, 39605), (180, 39635), (189, 39686), (193, 39692), (197, 39707), (209, 39725), (215, 39749), (216, 39752),

Gene: Priscilla_65 Start: 42485, Stop: 42847, Start Num: 115
Candidate Starts for Priscilla_65:
(Start: 115 @42485 has 239 MA's), (175, 42659), (216, 42785), (236, 42830),

Gene: Ptowny_74 Start: 47369, Stop: 47686, Start Num: 122
Candidate Starts for Ptowny_74:
(46, 47186), (Start: 122 @47369 has 149 MA's), (173, 47510),

Gene: Pumpkin_80 Start: 49128, Stop: 49445, Start Num: 122
Candidate Starts for Pumpkin_80:
(46, 48945), (Start: 122 @49128 has 149 MA's), (173, 49269),

Gene: Purplicious_92 Start: 57086, Stop: 57466, Start Num: 109
Candidate Starts for Purplicious_92:
(36, 56873), (53, 56960), (Start: 109 @57086 has 5 MA's), (200, 57347), (214, 57380), (217, 57386), (235, 57425), (238, 57428),

Gene: Quallification_78 Start: 49115, Stop: 49432, Start Num: 122
Candidate Starts for Quallification_78:
(46, 48932), (Start: 122 @49115 has 149 MA's), (173, 49256),

Gene: QuickMath_69 Start: 44476, Stop: 44817, Start Num: 115
Candidate Starts for QuickMath_69:
(Start: 115 @44476 has 239 MA's), (216, 44776), (218, 44779),

Gene: Quico_73 Start: 43794, Stop: 44156, Start Num: 115
Candidate Starts for Quico_73:
(Start: 115 @43794 has 239 MA's), (216, 44094), (218, 44097), (236, 44139),

Gene: Rabbitrun_72 Start: 44571, Stop: 44918, Start Num: 108
Candidate Starts for Rabbitrun_72:
(58, 44460), (Start: 72 @44490 has 2 MA's), (74, 44493), (76, 44496), (92, 44538), (103, 44562), (Start: 108 @44571 has 3 MA's), (151, 44652), (194, 44808), (204, 44835), (211, 44847), (216, 44862), (218, 44865),

Gene: Radiance_64 Start: 41901, Stop: 42263, Start Num: 115
Candidate Starts for Radiance_64:
(Start: 115 @41901 has 239 MA's), (171, 42060), (216, 42201), (218, 42204), (236, 42246),

Gene: Raela_69 Start: 39678, Stop: 40031, Start Num: 96
Candidate Starts for Raela_69:
(Start: 96 @39678 has 20 MA's), (Start: 112 @39705 has 5 MA's), (168, 39840), (180, 39870), (189, 39921), (193, 39927), (197, 39942), (209, 39960), (215, 39984), (216, 39987),

Gene: Rakim_78 Start: 48584, Stop: 48901, Start Num: 122
Candidate Starts for Rakim_78:
(46, 48401), (Start: 122 @48584 has 149 MA's), (173, 48725),

Gene: Ramsey_64 Start: 42214, Stop: 42576, Start Num: 115
Candidate Starts for Ramsey_64:

(Start: 115 @42214 has 239 MA's), (171, 42373), (216, 42514), (236, 42559),

Gene: Rattail_30 Start: 20919, Stop: 20599, Start Num: 126
Candidate Starts for Rattail_30:
(2, 21354), (25, 21204), (71, 21009), (Start: 97 @20952 has 30 MA's), (Start: 126 @20919 has 1 MA's), (160, 20823),

Gene: Raya_50 Start: 30070, Stop: 30396, Start Num: 127
Candidate Starts for Raya_50:
(49, 29899), (Start: 127 @30070 has 6 MA's), (163, 30175), (198, 30307),

Gene: Red305_66 Start: 46467, Stop: 46799, Start Num: 115
Candidate Starts for Red305_66:
(30, 46191), (32, 46203), (34, 46212), (35, 46236), (51, 46314), (64, 46362), (Start: 115 @46467 has 239 MA's), (172, 46611), (194, 46695), (209, 46728),

Gene: RedBird_64 Start: 42140, Stop: 42502, Start Num: 115
Candidate Starts for RedBird_64:
(61, 42035), (64, 42041), (Start: 89 @42095 has 9 MA's), (Start: 115 @42140 has 239 MA's), (Start: 133 @42173 has 1 MA's), (183, 42344), (216, 42440), (218, 42443), (236, 42485),

Gene: RedFox_30 Start: 20869, Stop: 20516, Start Num: 97
Candidate Starts for RedFox_30:
(2, 21271), (25, 21121), (71, 20926), (Start: 97 @20869 has 30 MA's), (Start: 126 @20836 has 1 MA's), (160, 20740),

Gene: RedRaider77_68 Start: 39066, Stop: 39419, Start Num: 96
Candidate Starts for RedRaider77_68:
(Start: 96 @39066 has 20 MA's), (Start: 112 @39093 has 5 MA's), (168, 39228), (180, 39258), (189, 39309), (193, 39315), (197, 39330), (209, 39348), (215, 39372), (216, 39375),

Gene: Redno2_116 Start: 66004, Stop: 66333, Start Num: 123
Candidate Starts for Redno2_116:
(Start: 123 @66004 has 25 MA's), (150, 66073), (176, 66163), (177, 66166), (194, 66232), (227, 66316),

Gene: Renaud18_75 Start: 44207, Stop: 44563, Start Num: 115
Candidate Starts for Renaud18_75:
(Start: 115 @44207 has 239 MA's), (171, 44366), (216, 44507),

Gene: Renna12_29 Start: 20890, Stop: 20534, Start Num: 97
Candidate Starts for Renna12_29:
(Start: 97 @20890 has 30 MA's), (Start: 126 @20857 has 1 MA's), (160, 20761), (210, 20596),

Gene: Rialto_70 Start: 44435, Stop: 44797, Start Num: 115
Candidate Starts for Rialto_70:
(Start: 115 @44435 has 239 MA's), (216, 44735), (218, 44738), (236, 44780),

Gene: Rimmer_78 Start: 48820, Stop: 49137, Start Num: 122
Candidate Starts for Rimmer_78:
(46, 48637), (Start: 122 @48820 has 149 MA's), (173, 48961),

Gene: Rita_66 Start: 40513, Stop: 40875, Start Num: 115

Candidate Starts for Rita_66:
(Start: 115 @40513 has 239 MA's), (171, 40672), (216, 40813), (236, 40858),

Gene: RitaG_61 Start: 41618, Stop: 41974, Start Num: 115
Candidate Starts for RitaG_61:
(61, 41513), (64, 41519), (Start: 89 @41573 has 9 MA's), (Start: 115 @41618 has 239 MA's), (Start: 133 @41651 has 1 MA's), (183, 41822), (216, 41918), (218, 41921),

Gene: RiverMonster_77 Start: 48648, Stop: 48965, Start Num: 122
Candidate Starts for RiverMonster_77:
(46, 48465), (Start: 122 @48648 has 149 MA's), (173, 48789),

Gene: Rockne_66 Start: 42422, Stop: 42778, Start Num: 115
Candidate Starts for Rockne_66:
(Start: 115 @42422 has 239 MA's), (216, 42722), (218, 42725),

Gene: RockyHorror_66 Start: 41564, Stop: 41926, Start Num: 115
Candidate Starts for RockyHorror_66:
(Start: 115 @41564 has 239 MA's), (216, 41864), (236, 41909),

Gene: Ronaldo_98 Start: 49040, Stop: 49366, Start Num: 125
Candidate Starts for Ronaldo_98:
(Start: 125 @49040 has 4 MA's), (158, 49121), (183, 49205), (191, 49244), (210, 49283),

Gene: Rose5_66 Start: 45488, Stop: 45859, Start Num: 122
Candidate Starts for Rose5_66:
(Start: 122 @45488 has 149 MA's), (156, 45566), (194, 45713), (219, 45776), (248, 45851),

Gene: Royals2015_68 Start: 42421, Stop: 42777, Start Num: 115
Candidate Starts for Royals2015_68:
(Start: 115 @42421 has 239 MA's), (138, 42463), (171, 42580), (216, 42721),

Gene: Ruby_61 Start: 41693, Stop: 42055, Start Num: 115
Candidate Starts for Ruby_61:
(Start: 115 @41693 has 239 MA's), (216, 41993), (236, 42038),

Gene: SG4_62 Start: 41300, Stop: 41665, Start Num: 115
Candidate Starts for SG4_62:
(Start: 115 @41300 has 239 MA's), (216, 41600),

Gene: Saal_67 Start: 43437, Stop: 43799, Start Num: 115
Candidate Starts for Saal_67:
(Start: 115 @43437 has 239 MA's), (171, 43596), (216, 43737), (218, 43740), (236, 43782),

Gene: Saints25_76 Start: 48058, Stop: 48375, Start Num: 122
Candidate Starts for Saints25_76:
(46, 47875), (Start: 122 @48058 has 149 MA's), (173, 48199),

Gene: Salgado_90 Start: 53033, Stop: 53359, Start Num: 89
Candidate Starts for Salgado_90:
(Start: 89 @53033 has 9 MA's), (Start: 106 @53063 has 3 MA's), (Start: 109 @53069 has 5 MA's), (146, 53138), (158, 53174), (184, 53267),

Gene: Samty_66 Start: 46475, Stop: 46807, Start Num: 115
Candidate Starts for Samty_66:
(32, 46211), (34, 46220), (35, 46244), (51, 46322), (64, 46370), (Start: 115 @46475 has 239 MA's), (172, 46619), (194, 46703), (209, 46736),

Gene: Sandalphon_66 Start: 42944, Stop: 43306, Start Num: 115
Candidate Starts for Sandalphon_66:
(59, 42827), (Start: 115 @42944 has 239 MA's), (171, 43103), (216, 43244), (236, 43289),

Gene: Sarma624_64 Start: 39148, Stop: 39510, Start Num: 115
Candidate Starts for Sarma624_64:
(Start: 115 @39148 has 239 MA's), (171, 39307), (183, 39352), (216, 39448), (218, 39451), (236, 39493),

Gene: Sassafras_64 Start: 42458, Stop: 42820, Start Num: 115
Candidate Starts for Sassafras_64:
(61, 42353), (64, 42359), (Start: 89 @42413 has 9 MA's), (Start: 115 @42458 has 239 MA's), (Start: 133 @42491 has 1 MA's), (183, 42662), (216, 42758), (218, 42761), (236, 42803),

Gene: Sassay_72 Start: 46748, Stop: 47065, Start Num: 122
Candidate Starts for Sassay_72:
(46, 46565), (Start: 122 @46748 has 149 MA's), (173, 46889),

Gene: SassyB_59 Start: 40248, Stop: 40610, Start Num: 115
Candidate Starts for SassyB_59:
(Start: 115 @40248 has 239 MA's), (216, 40548), (218, 40551), (236, 40593),

Gene: Schmidt_45 Start: 30353, Stop: 30685, Start Num: 118
Candidate Starts for Schmidt_45:
(56, 30221), (68, 30251), (85, 30290), (Start: 118 @30353 has 10 MA's), (135, 30386), (163, 30476), (177, 30527), (213, 30644), (218, 30650), (225, 30671),

Gene: ScoobySnack_38 Start: 25435, Stop: 25812, Start Num: 116
Candidate Starts for ScoobySnack_38:
(Start: 116 @25435 has 35 MA's), (147, 25498), (156, 25525), (202, 25699), (209, 25705), (218, 25729), (246, 25801),

Gene: Scottish_64 Start: 42414, Stop: 42776, Start Num: 115
Candidate Starts for Scottish_64:
(61, 42309), (64, 42315), (Start: 89 @42369 has 9 MA's), (Start: 115 @42414 has 239 MA's), (Start: 133 @42447 has 1 MA's), (216, 42714), (218, 42717), (236, 42759),

Gene: Seabastian_71 Start: 45319, Stop: 45681, Start Num: 115
Candidate Starts for Seabastian_71:
(Start: 115 @45319 has 239 MA's), (183, 45523), (216, 45619), (236, 45664),

Gene: Seagreen_64 Start: 41603, Stop: 41965, Start Num: 115
Candidate Starts for Seagreen_64:
(Start: 115 @41603 has 239 MA's), (216, 41903), (218, 41906), (236, 41948),

Gene: Sephiroth_73 Start: 45931, Stop: 46353, Start Num: 72
Candidate Starts for Sephiroth_73:
(Start: 72 @45931 has 2 MA's), (194, 46252),

Gene: ShamWow_77 Start: 48970, Stop: 49287, Start Num: 122
Candidate Starts for ShamWow_77:
(46, 48787), (Start: 122 @48970 has 149 MA's), (173, 49111),

Gene: Shauna1_63 Start: 42143, Stop: 42505, Start Num: 115
Candidate Starts for Shauna1_63:
(Start: 115 @42143 has 239 MA's), (216, 42443), (218, 42446), (236, 42488),

Gene: ShiLan_64 Start: 42432, Stop: 42788, Start Num: 115
Candidate Starts for ShiLan_64:
(Start: 115 @42432 has 239 MA's), (171, 42591), (216, 42732), (218, 42735),

Gene: ShowerHandel_68 Start: 42396, Stop: 42758, Start Num: 115
Candidate Starts for ShowerHandel_68:
(Start: 115 @42396 has 239 MA's), (171, 42555), (175, 42570), (216, 42696), (236, 42741),

Gene: Shrooms_89 Start: 52679, Stop: 53008, Start Num: 89
Candidate Starts for Shrooms_89:
(Start: 89 @52679 has 9 MA's), (Start: 106 @52709 has 3 MA's), (158, 52820), (183, 52907), (184, 52913), (200, 52973),

Gene: SiSi_63 Start: 41202, Stop: 41558, Start Num: 115
Candidate Starts for SiSi_63:
(Start: 115 @41202 has 239 MA's), (216, 41502), (218, 41505),

Gene: SilverChicken_75 Start: 42112, Stop: 42474, Start Num: 115
Candidate Starts for SilverChicken_75:
(Start: 115 @42112 has 239 MA's), (183, 42316), (216, 42412), (218, 42415), (236, 42457),

Gene: Simpliphy_76 Start: 48048, Stop: 48365, Start Num: 122
Candidate Starts for Simpliphy_76:
(46, 47865), (Start: 122 @48048 has 149 MA's), (173, 48189),

Gene: SirDuracell_76 Start: 47334, Stop: 47651, Start Num: 122
Candidate Starts for SirDuracell_76:
(46, 47151), (Start: 122 @47334 has 149 MA's), (Start: 134 @47358 has 1 MA's), (173, 47475),

Gene: Skitty_47 Start: 29133, Stop: 29486, Start Num: 127
Candidate Starts for Skitty_47:
(Start: 127 @29133 has 6 MA's), (163, 29238), (237, 29454),

Gene: Skyerus_45 Start: 28188, Stop: 28514, Start Num: 127
Candidate Starts for Skyerus_45:
(49, 28017), (Start: 127 @28188 has 6 MA's), (163, 28293), (198, 28425),

Gene: Slim_67 Start: 43053, Stop: 43415, Start Num: 115
Candidate Starts for Slim_67:
(Start: 115 @43053 has 239 MA's), (216, 43353), (218, 43356), (236, 43398),

Gene: Snenia_65 Start: 46468, Stop: 46800, Start Num: 115
Candidate Starts for Snenia_65:

(30, 46192), (32, 46204), (34, 46213), (35, 46237), (51, 46315), (64, 46363), (Start: 115 @46468 has 239 MA's), (172, 46612), (194, 46696), (209, 46729),

Gene: Soos_87 Start: 57034, Stop: 57414, Start Num: 109
Candidate Starts for Soos_87:
(24, 56746), (36, 56821), (53, 56908), (Start: 109 @57034 has 5 MA's), (200, 57295), (206, 57304), (214, 57328), (217, 57334), (238, 57376),

Gene: SophKB_74 Start: 47726, Stop: 48043, Start Num: 122
Candidate Starts for SophKB_74:
(46, 47543), (Start: 122 @47726 has 149 MA's), (173, 47867),

Gene: Sotrice96_78 Start: 48729, Stop: 49046, Start Num: 122
Candidate Starts for Sotrice96_78:
(46, 48546), (Start: 122 @48729 has 149 MA's), (173, 48870),

Gene: Soul22_71 Start: 43477, Stop: 43839, Start Num: 115
Candidate Starts for Soul22_71:
(Start: 115 @43477 has 239 MA's), (171, 43636), (216, 43777), (218, 43780), (236, 43822),

Gene: Spartacus_67 Start: 42463, Stop: 42825, Start Num: 115
Candidate Starts for Spartacus_67:
(Start: 115 @42463 has 239 MA's), (216, 42763), (218, 42766), (236, 42808),

Gene: Spartan_53 Start: 40162, Stop: 40533, Start Num: 99
Candidate Starts for Spartan_53:
(Start: 99 @40162 has 6 MA's), (128, 40210), (130, 40213), (149, 40264), (155, 40270), (158, 40282), (162, 40297), (183, 40366), (184, 40372), (191, 40405), (193, 40408), (205, 40435), (209, 40441),

Gene: Spikelee_72 Start: 44062, Stop: 44424, Start Num: 115
Candidate Starts for Spikelee_72:
(Start: 115 @44062 has 239 MA's), (216, 44362), (236, 44407),

Gene: Splinter_51 Start: 33608, Stop: 33991, Start Num: 118
Candidate Starts for Splinter_51:
(Start: 118 @33608 has 10 MA's), (163, 33731), (219, 33914), (238, 33956),

Gene: Spooky_68 Start: 42098, Stop: 42427, Start Num: 116
Candidate Starts for Spooky_68:
(Start: 116 @42098 has 35 MA's), (218, 42377), (231, 42407), (239, 42419),

Gene: Spoonbill_63 Start: 41578, Stop: 41934, Start Num: 115
Candidate Starts for Spoonbill_63:
(61, 41473), (64, 41479), (Start: 89 @41533 has 9 MA's), (Start: 115 @41578 has 239 MA's), (Start: 133 @41611 has 1 MA's), (183, 41782), (216, 41878), (218, 41881),

Gene: Squiddly_73 Start: 46416, Stop: 46745, Start Num: 116
Candidate Starts for Squiddly_73:
(Start: 116 @46416 has 35 MA's), (218, 46695), (231, 46725), (239, 46737),

Gene: Squint_116 Start: 64970, Stop: 65290, Start Num: 123
Candidate Starts for Squint_116:
(Start: 123 @64970 has 25 MA's), (150, 65039), (163, 65081), (194, 65198),

Gene: Squirty_67 Start: 43396, Stop: 43758, Start Num: 115
Candidate Starts for Squirty_67:
(Start: 115 @43396 has 239 MA's), (Start: 133 @43429 has 1 MA's), (183, 43600), (216, 43696), (218, 43699), (236, 43741),

Gene: StAnnes_63 Start: 42321, Stop: 42683, Start Num: 115
Candidate Starts for StAnnes_63:
(Start: 115 @42321 has 239 MA's), (216, 42621), (218, 42624), (236, 42666),

Gene: Stank_80 Start: 48987, Stop: 49304, Start Num: 122
Candidate Starts for Stank_80:
(46, 48804), (Start: 122 @48987 has 149 MA's), (173, 49128),

Gene: Stap_63 Start: 42347, Stop: 42709, Start Num: 115
Candidate Starts for Stap_63:
(61, 42242), (64, 42248), (Start: 89 @42302 has 9 MA's), (Start: 115 @42347 has 239 MA's), (Start: 133 @42380 has 1 MA's), (171, 42506), (216, 42647), (218, 42650), (236, 42692),

Gene: Starcevich_65 Start: 41944, Stop: 42300, Start Num: 115
Candidate Starts for Starcevich_65:
(Start: 115 @41944 has 239 MA's), (216, 42244), (218, 42247),

Gene: Stark_78 Start: 48531, Stop: 48848, Start Num: 122
Candidate Starts for Stark_78:
(46, 48348), (Start: 122 @48531 has 149 MA's), (173, 48672),

Gene: StellaBean_75 Start: 48294, Stop: 48611, Start Num: 122
Candidate Starts for StellaBean_75:
(46, 48111), (Start: 122 @48294 has 149 MA's), (173, 48435),

Gene: Stellammi_92 Start: 47049, Stop: 47387, Start Num: 110
Candidate Starts for Stellammi_92:
(Start: 110 @47049 has 1 MA's), (165, 47175), (173, 47214), (194, 47295),

Gene: Stillion_90 Start: 57692, Stop: 58072, Start Num: 109
Candidate Starts for Stillion_90:
(36, 57479), (53, 57566), (Start: 109 @57692 has 5 MA's), (Start: 117 @57704 has 1 MA's), (200, 57953), (206, 57962), (214, 57986), (217, 57992), (238, 58034),

Gene: Sting_90 Start: 57473, Stop: 57853, Start Num: 109
Candidate Starts for Sting_90:
(24, 57185), (36, 57260), (53, 57347), (Start: 109 @57473 has 5 MA's), (Start: 117 @57485 has 1 MA's), (200, 57734), (206, 57743), (214, 57767), (217, 57773), (238, 57815),

Gene: StolenFromERC_80 Start: 48769, Stop: 49086, Start Num: 122
Candidate Starts for StolenFromERC_80:
(46, 48586), (Start: 122 @48769 has 149 MA's), (173, 48910),

Gene: StormChicken_79 Start: 49427, Stop: 49744, Start Num: 122
Candidate Starts for StormChicken_79:
(46, 49244), (Start: 122 @49427 has 149 MA's), (173, 49568),

Gene: Strokeseat_61 Start: 39911, Stop: 40273, Start Num: 115
Candidate Starts for Strokeseat_61:
(Start: 115 @39911 has 239 MA's), (216, 40211), (218, 40214), (236, 40256),

Gene: SuperGrey_69 Start: 44472, Stop: 44828, Start Num: 115
Candidate Starts for SuperGrey_69:
(Start: 115 @44472 has 239 MA's), (171, 44631), (216, 44772), (218, 44775), (232, 44811),

Gene: Superphikiman_115 Start: 64061, Stop: 64381, Start Num: 123
Candidate Starts for Superphikiman_115:
(Start: 123 @64061 has 25 MA's), (150, 64130), (163, 64172), (194, 64289),

Gene: SwagPigglett_70 Start: 44704, Stop: 45066, Start Num: 115
Candidate Starts for SwagPigglett_70:
(59, 44587), (Start: 115 @44704 has 239 MA's), (171, 44863), (216, 45004), (236, 45049),

Gene: Sweetums_60 Start: 33367, Stop: 33756, Start Num: 116
Candidate Starts for Sweetums_60:
(Start: 116 @33367 has 35 MA's), (163, 33493), (186, 33601), (238, 33721),

Gene: Syleon_75 Start: 45869, Stop: 46291, Start Num: 72
Candidate Starts for Syleon_75:
(Start: 72 @45869 has 2 MA's), (76, 45875), (194, 46190),

Gene: TBrady12_80 Start: 48468, Stop: 48785, Start Num: 122
Candidate Starts for TBrady12_80:
(46, 48285), (Start: 122 @48468 has 149 MA's), (173, 48609),

Gene: TChen_67 Start: 44519, Stop: 44881, Start Num: 115
Candidate Starts for TChen_67:
(Start: 115 @44519 has 239 MA's), (216, 44819), (218, 44822), (236, 44864),

Gene: TZGordon_53 Start: 32954, Stop: 33337, Start Num: 118
Candidate Starts for TZGordon_53:
(Start: 118 @32954 has 10 MA's), (163, 33077), (219, 33260), (238, 33302),

Gene: Taj_70 Start: 44021, Stop: 44383, Start Num: 115
Candidate Starts for Taj_70:
(Start: 99 @44006 has 6 MA's), (Start: 115 @44021 has 239 MA's), (216, 44321), (218, 44324), (236, 44366),

Gene: Taptic_52 Start: 43843, Stop: 44184, Start Num: 113
Candidate Starts for Taptic_52:
(Start: 113 @43843 has 9 MA's), (144, 43897), (148, 43912), (152, 43930), (172, 43996), (177, 44014), (188, 44068), (207, 44113), (216, 44134), (225, 44158), (226, 44161),

Gene: Tarkin_76 Start: 48716, Stop: 49033, Start Num: 122
Candidate Starts for Tarkin_76:
(46, 48533), (Start: 122 @48716 has 149 MA's), (173, 48857),

Gene: Tchotchke_66 Start: 41928, Stop: 42290, Start Num: 115
Candidate Starts for Tchotchke_66:
(Start: 115 @41928 has 239 MA's), (171, 42087), (216, 42228), (218, 42231), (236, 42273),

Gene: TeamEdward_79 Start: 49421, Stop: 49738, Start Num: 122
Candidate Starts for TeamEdward_79:
(46, 49238), (Start: 122 @49421 has 149 MA's), (Start: 134 @49445 has 1 MA's), (173, 49562),

Gene: TeardropMSU_73 Start: 47716, Stop: 48033, Start Num: 122
Candidate Starts for TeardropMSU_73:
(46, 47533), (Start: 122 @47716 has 149 MA's), (173, 47857),

Gene: Teaspoon_78 Start: 48610, Stop: 48927, Start Num: 122
Candidate Starts for Teaspoon_78:
(46, 48427), (Start: 122 @48610 has 149 MA's), (173, 48751),

Gene: Teng_59 Start: 33271, Stop: 33660, Start Num: 116
Candidate Starts for Teng_59:
(36, 33037), (Start: 116 @33271 has 35 MA's), (163, 33397), (179, 33460), (186, 33505), (236, 33622), (238, 33625),

Gene: Terij_52 Start: 35668, Stop: 36003, Start Num: 112
Candidate Starts for Terij_52:
(8, 35263), (14, 35347), (15, 35350), (17, 35356), (27, 35413), (28, 35416), (77, 35608), (105, 35656), (107, 35659), (Start: 112 @35668 has 5 MA's), (162, 35785), (167, 35803), (202, 35935), (219, 35968),

Gene: Terminus_80 Start: 49503, Stop: 49820, Start Num: 122
Candidate Starts for Terminus_80:
(46, 49320), (Start: 122 @49503 has 149 MA's), (173, 49644),

Gene: Tesla_66 Start: 38915, Stop: 39268, Start Num: 96
Candidate Starts for Tesla_66:
(Start: 96 @38915 has 20 MA's), (Start: 112 @38942 has 5 MA's), (168, 39077), (180, 39107), (189, 39158), (193, 39164), (197, 39179), (209, 39197), (215, 39221), (216, 39224),

Gene: ThetaBob_73 Start: 44248, Stop: 44604, Start Num: 115
Candidate Starts for ThetaBob_73:
(60, 44137), (Start: 115 @44248 has 239 MA's), (216, 44548), (218, 44551),

Gene: Thibault_106 Start: 63336, Stop: 63668, Start Num: 122
Candidate Starts for Thibault_106:
(Start: 122 @63336 has 149 MA's), (165, 63447), (169, 63471), (229, 63651),

Gene: Thimble_78 Start: 47951, Stop: 48268, Start Num: 122
Candidate Starts for Thimble_78:
(46, 47768), (Start: 122 @47951 has 149 MA's), (173, 48092),

Gene: ThreeRngTarjay_118 Start: 68893, Stop: 69225, Start Num: 123
Candidate Starts for ThreeRngTarjay_118:
(Start: 123 @68893 has 25 MA's), (150, 68962), (194, 69121),

Gene: Thresher_79 Start: 49590, Stop: 49907, Start Num: 122
Candidate Starts for Thresher_79:
(46, 49407), (Start: 122 @49590 has 149 MA's), (173, 49731),

Gene: TinaLin_50 Start: 32410, Stop: 32790, Start Num: 118

Candidate Starts for TinaLin_50:
(Start: 118 @32410 has 10 MA's), (146, 32473), (163, 32533), (194, 32650), (209, 32689), (219, 32716), (238, 32758),

Gene: Tomaszewski_72 Start: 47879, Stop: 48196, Start Num: 122
Candidate Starts for Tomaszewski_72:
(46, 47696), (Start: 122 @47879 has 149 MA's), (Start: 134 @47903 has 1 MA's), (173, 48020),

Gene: Tonitrus_70 Start: 51892, Stop: 52272, Start Num: 121
Candidate Starts for Tonitrus_70:
(Start: 121 @51892 has 1 MA's), (172, 52051), (175, 52063), (194, 52135),

Gene: Topiatin_72 Start: 44952, Stop: 45314, Start Num: 115
Candidate Starts for Topiatin_72:
(59, 44835), (Start: 115 @44952 has 239 MA's), (171, 45111), (216, 45252), (218, 45255), (236, 45297),

Gene: Totinger_65 Start: 41519, Stop: 41875, Start Num: 115
Candidate Starts for Totinger_65:
(Start: 115 @41519 has 239 MA's), (171, 41678), (216, 41819), (218, 41822), (236, 41858),

Gene: Toto_75 Start: 48970, Stop: 49287, Start Num: 122
Candidate Starts for Toto_75:
(46, 48787), (Start: 122 @48970 has 149 MA's), (173, 49111),

Gene: Traaww1_73 Start: 48154, Stop: 48471, Start Num: 122
Candidate Starts for Traaww1_73:
(46, 47971), (Start: 122 @48154 has 149 MA's), (173, 48295),

Gene: Trax_71 Start: 44944, Stop: 45291, Start Num: 108
Candidate Starts for Trax_71:
(Start: 108 @44944 has 3 MA's), (151, 45025), (194, 45181), (204, 45208), (216, 45235), (218, 45238),

Gene: TriFive_67 Start: 46467, Stop: 46799, Start Num: 115
Candidate Starts for TriFive_67:
(30, 46191), (32, 46203), (34, 46212), (35, 46236), (51, 46314), (64, 46362), (Start: 115 @46467 has 239 MA's), (172, 46611), (194, 46695), (209, 46728),

Gene: Tuco_78 Start: 49478, Stop: 49795, Start Num: 122
Candidate Starts for Tuco_78:
(46, 49295), (Start: 122 @49478 has 149 MA's), (173, 49619),

Gene: Tweety_65 Start: 43115, Stop: 43471, Start Num: 115
Candidate Starts for Tweety_65:
(Start: 115 @43115 has 239 MA's), (171, 43274), (175, 43289), (216, 43415), (218, 43418), (236, 43454),

Gene: Typha_64 Start: 45161, Stop: 45511, Start Num: 99
Candidate Starts for Typha_64:
(70, 45089), (82, 45119), (Start: 99 @45161 has 6 MA's), (Start: 110 @45176 has 1 MA's), (Start: 120 @45194 has 5 MA's), (144, 45242), (146, 45248), (158, 45284), (183, 45368), (184, 45374), (189, 45404), (205, 45437),

Gene: Tyson_67 Start: 45417, Stop: 45785, Start Num: 122
Candidate Starts for Tyson_67:
(Start: 122 @45417 has 149 MA's), (140, 45444), (161, 45513), (167, 45534), (173, 45558), (194, 45639), (219, 45702), (248, 45777),

Gene: Ukulele_72 Start: 47861, Stop: 48178, Start Num: 122
Candidate Starts for Ukulele_72:
(46, 47678), (Start: 122 @47861 has 149 MA's), (173, 48002),

Gene: UncleRicky_64 Start: 42054, Stop: 42416, Start Num: 115
Candidate Starts for UncleRicky_64:
(Start: 115 @42054 has 239 MA's), (171, 42213), (216, 42354), (218, 42357), (236, 42399),

Gene: VRedHorse_65 Start: 41397, Stop: 41759, Start Num: 115
Candidate Starts for VRedHorse_65:
(Start: 115 @41397 has 239 MA's), (Start: 133 @41430 has 1 MA's), (171, 41556), (216, 41697), (218, 41700), (236, 41742),

Gene: VanLee_116 Start: 60612, Stop: 60974, Start Num: 123
Candidate Starts for VanLee_116:
(Start: 123 @60612 has 25 MA's), (209, 60858), (226, 60903), (234, 60918), (240, 60927), (244, 60942),

Gene: VasuNzinga_68 Start: 39017, Stop: 39370, Start Num: 96
Candidate Starts for VasuNzinga_68:
(Start: 96 @39017 has 20 MA's), (Start: 112 @39044 has 5 MA's), (168, 39179), (180, 39209), (189, 39260), (193, 39266), (197, 39281), (209, 39299), (215, 39323), (216, 39326),

Gene: Velveteen_61 Start: 39148, Stop: 39510, Start Num: 115
Candidate Starts for Velveteen_61:
(Start: 115 @39148 has 239 MA's), (171, 39307), (183, 39352), (216, 39448), (218, 39451), (236, 39493),

Gene: Vendetta_51 Start: 33608, Stop: 33991, Start Num: 118
Candidate Starts for Vendetta_51:
(Start: 118 @33608 has 10 MA's), (163, 33731), (219, 33914), (238, 33956),

Gene: Veteran_62 Start: 40798, Stop: 41154, Start Num: 115
Candidate Starts for Veteran_62:
(Start: 115 @40798 has 239 MA's), (183, 41002), (216, 41098), (218, 41101), (236, 41137),

Gene: Violac_66 Start: 42928, Stop: 43290, Start Num: 115
Candidate Starts for Violac_66:
(Start: 115 @42928 has 239 MA's), (171, 43087), (175, 43102), (216, 43228), (236, 43273),

Gene: Violeta_43 Start: 25712, Stop: 26089, Start Num: 116
Candidate Starts for Violeta_43:
(Start: 116 @25712 has 35 MA's), (147, 25775), (156, 25802), (171, 25862), (202, 25976), (209, 25982), (246, 26078),

Gene: Vivum_66 Start: 42717, Stop: 43079, Start Num: 115
Candidate Starts for Vivum_66:

(59, 42600), (Start: 115 @42717 has 239 MA's), (138, 42759), (171, 42876), (216, 43017), (218, 43020), (236, 43062),

Gene: Volt_99 Start: 49204, Stop: 49530, Start Num: 125
Candidate Starts for Volt_99:
(Start: 125 @49204 has 4 MA's), (158, 49285), (183, 49369), (191, 49408), (210, 49447),

Gene: Wachhund_66 Start: 42028, Stop: 42390, Start Num: 115
Candidate Starts for Wachhund_66:
(Start: 115 @42028 has 239 MA's), (216, 42328), (236, 42373),

Gene: Waltz_87 Start: 51467, Stop: 51796, Start Num: 89
Candidate Starts for Waltz_87:
(Start: 89 @51467 has 9 MA's), (Start: 106 @51497 has 3 MA's), (158, 51608), (183, 51695), (184, 51701), (191, 51734), (200, 51761),

Gene: Wamburgrxpress_66 Start: 45044, Stop: 45415, Start Num: 122
Candidate Starts for Wamburgrxpress_66:
(Start: 122 @45044 has 149 MA's), (156, 45122), (194, 45269), (219, 45332), (248, 45407),

Gene: Wanda_122 Start: 66271, Stop: 66600, Start Num: 123
Candidate Starts for Wanda_122:
(Start: 123 @66271 has 25 MA's), (150, 66340), (157, 66358), (176, 66430), (177, 66433), (194, 66499), (227, 66583),

Gene: Warren_41 Start: 25673, Stop: 26050, Start Num: 116
Candidate Starts for Warren_41:
(Start: 116 @25673 has 35 MA's), (147, 25736), (156, 25763), (202, 25937), (209, 25943), (216, 25964), (246, 26039),

Gene: Wee_70 Start: 44097, Stop: 44459, Start Num: 115
Candidate Starts for Wee_70:
(Start: 99 @44082 has 6 MA's), (Start: 115 @44097 has 239 MA's), (216, 44397), (218, 44400), (236, 44442),

Gene: Weirdo19_91 Start: 53190, Stop: 53612, Start Num: 88
Candidate Starts for Weirdo19_91:
(88, 53190), (148, 53316), (184, 53445), (202, 53508), (223, 53550), (245, 53604),

Gene: Whatsapiecost_65 Start: 41324, Stop: 41686, Start Num: 115
Candidate Starts for Whatsapiecost_65:
(Start: 115 @41324 has 239 MA's), (Start: 133 @41357 has 1 MA's), (216, 41624), (218, 41627), (236, 41669),

Gene: Wheelbite_86 Start: 53127, Stop: 53453, Start Num: 89
Candidate Starts for Wheelbite_86:
(32, 52917), (Start: 89 @53127 has 9 MA's), (Start: 106 @53157 has 3 MA's), (Start: 109 @53163 has 5 MA's), (158, 53268), (183, 53355), (184, 53361), (189, 53391),

Gene: Whirlwind_66 Start: 46283, Stop: 46615, Start Num: 115
Candidate Starts for Whirlwind_66:
(30, 46007), (32, 46019), (34, 46028), (35, 46052), (51, 46130), (64, 46178), (Start: 115 @46283 has 239 MA's), (172, 46427), (194, 46511), (209, 46544),

Gene: Whouxphf_62 Start: 42311, Stop: 42673, Start Num: 115
Candidate Starts for Whouxphf_62:
(Start: 115 @42311 has 239 MA's), (216, 42611), (236, 42656),

Gene: Wiggin_79 Start: 48555, Stop: 48872, Start Num: 122
Candidate Starts for Wiggin_79:
(46, 48372), (Start: 122 @48555 has 149 MA's), (173, 48696),

Gene: Wildcat_77 Start: 48619, Stop: 48984, Start Num: 98
Candidate Starts for Wildcat_77:
(74, 48556), (Start: 98 @48619 has 5 MA's), (178, 48811), (216, 48931), (231, 48964),

Gene: WillSterrel_66 Start: 43580, Stop: 43942, Start Num: 115
Candidate Starts for WillSterrel_66:
(Start: 115 @43580 has 239 MA's), (216, 43880), (218, 43883), (236, 43925),

Gene: Willez_72 Start: 46748, Stop: 47065, Start Num: 122
Candidate Starts for Willez_72:
(46, 46565), (Start: 122 @46748 has 149 MA's), (173, 46889),

Gene: Wrackline_71 Start: 37367, Stop: 37759, Start Num: 116
Candidate Starts for Wrackline_71:
(9, 36971), (22, 37061), (40, 37163), (47, 37205), (Start: 116 @37367 has 35 MA's), (141, 37394), (163, 37475), (169, 37502), (186, 37583), (196, 37619), (205, 37640), (232, 37712), (238, 37721),

Gene: Wyatt2_67 Start: 45415, Stop: 45783, Start Num: 122
Candidate Starts for Wyatt2_67:
(Start: 122 @45415 has 149 MA's), (140, 45442), (161, 45511), (167, 45532), (173, 45556), (194, 45637), (219, 45700), (248, 45775),

Gene: XFactor_63 Start: 40832, Stop: 41194, Start Num: 115
Candidate Starts for XFactor_63:
(Start: 115 @40832 has 239 MA's), (216, 41132), (236, 41177),

Gene: Xandras_76 Start: 47963, Stop: 48280, Start Num: 122
Candidate Starts for Xandras_76:
(46, 47780), (Start: 122 @47963 has 149 MA's), (173, 48104),

Gene: YassJohnny_74 Start: 47918, Stop: 48235, Start Num: 122
Candidate Starts for YassJohnny_74:
(46, 47735), (Start: 122 @47918 has 149 MA's), (Start: 134 @47942 has 1 MA's), (173, 48059),

Gene: Yorick_64 Start: 42551, Stop: 42913, Start Num: 115
Candidate Starts for Yorick_64:
(Start: 115 @42551 has 239 MA's), (171, 42710), (216, 42851), (236, 42896),

Gene: Yoshi_81 Start: 44512, Stop: 44874, Start Num: 115
Candidate Starts for Yoshi_81:
(63, 44401), (Start: 115 @44512 has 239 MA's), (216, 44812), (218, 44815), (236, 44857),

Gene: Youngblood_80 Start: 49430, Stop: 49747, Start Num: 122
Candidate Starts for Youngblood_80:

(46, 49247), (Start: 122 @49430 has 149 MA's), (173, 49571),

Gene: Zapner_79 Start: 44176, Stop: 44517, Start Num: 115
Candidate Starts for Zapner_79:
(Start: 99 @44161 has 6 MA's), (Start: 115 @44176 has 239 MA's), (216, 44476), (218, 44479),

Gene: Zelink_117 Start: 68840, Stop: 69172, Start Num: 123
Candidate Starts for Zelink_117:
(Start: 123 @68840 has 25 MA's), (150, 68909), (194, 69068),

Gene: Zerg_65 Start: 41676, Stop: 42038, Start Num: 115
Candidate Starts for Zerg_65:
(Start: 115 @41676 has 239 MA's), (216, 41976), (236, 42021),

Gene: Zhuangyuan_34 Start: 22580, Stop: 22224, Start Num: 102
Candidate Starts for Zhuangyuan_34:
(45, 22724), (71, 22649), (Start: 102 @22580 has 3 MA's), (Start: 126 @22544 has 1 MA's), (160, 22448), (210, 22283), (227, 22235),

Gene: Zizzle_69 Start: 44029, Stop: 44391, Start Num: 115
Candidate Starts for Zizzle_69:
(Start: 115 @44029 has 239 MA's), (171, 44188), (175, 44203), (216, 44329), (236, 44374),

Gene: xkcd_80 Start: 49620, Stop: 49937, Start Num: 122
Candidate Starts for xkcd_80:
(46, 49437), (Start: 122 @49620 has 149 MA's), (173, 49761),