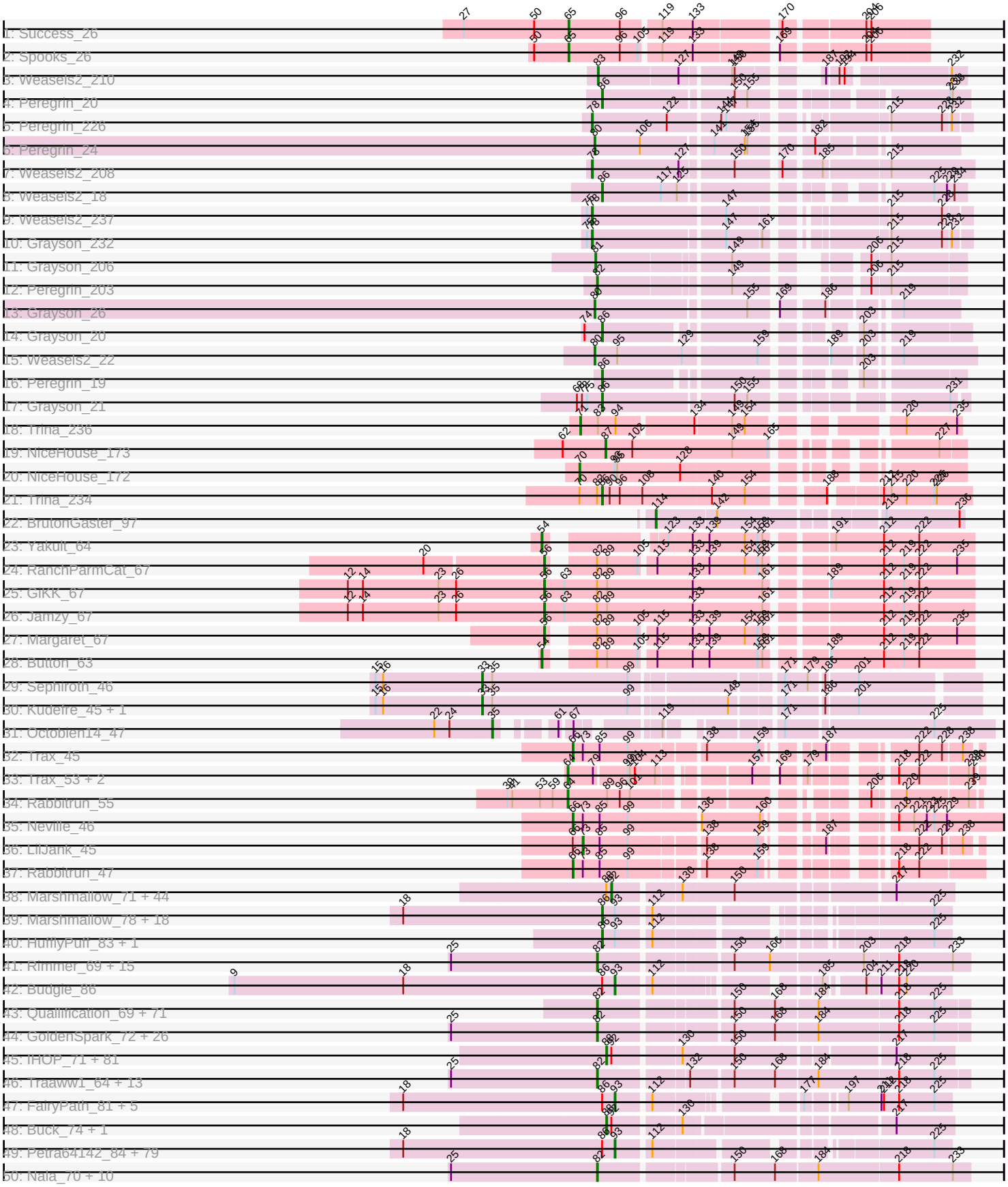
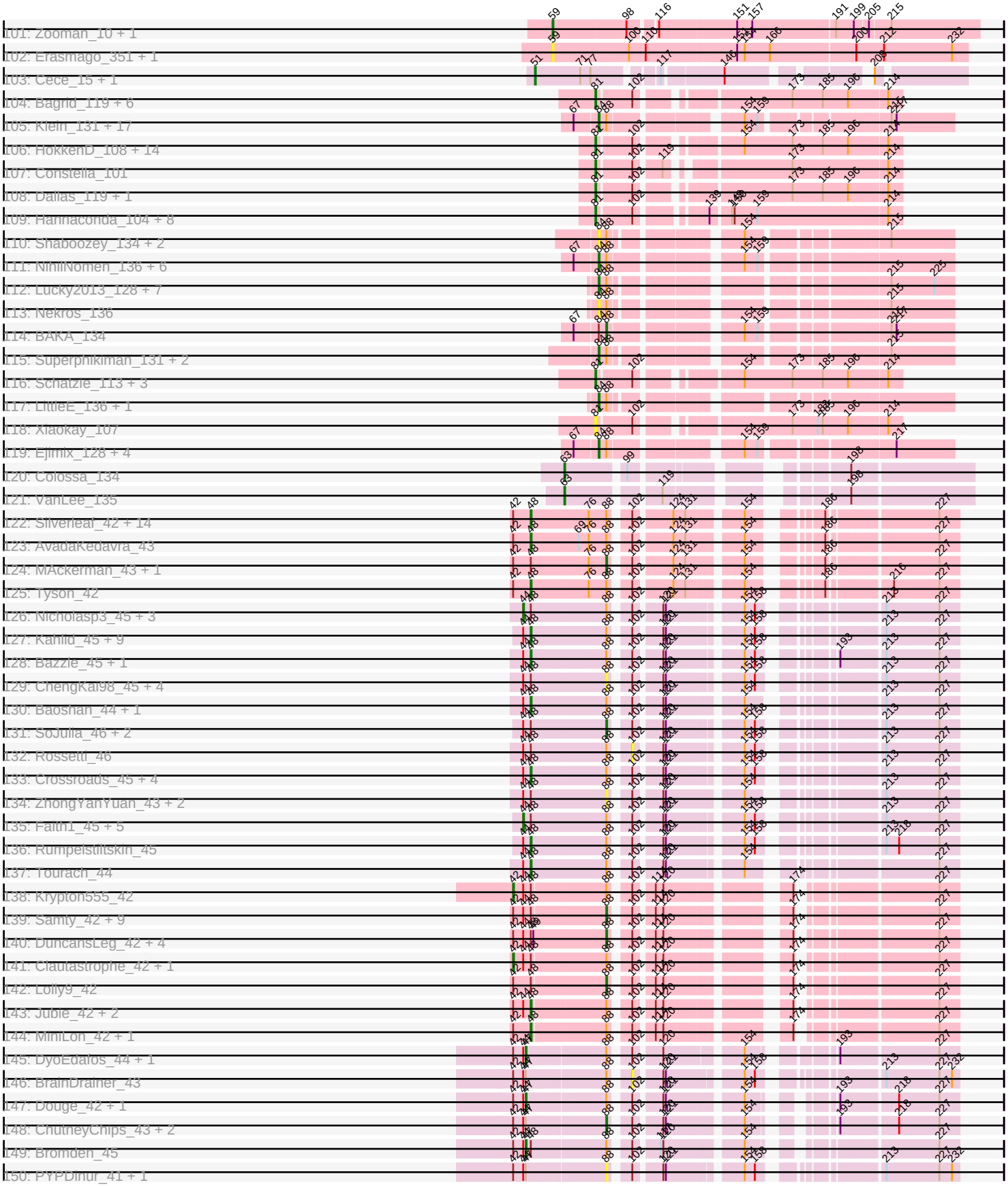
Pham 347039


1: Success_26
2: Spooks_26
3: Weasels2_210
4: Peregrin_20
5: Peregrin_226
6: Peregrin_24
7: Weasels2_208
8: Weasels2_18
9: Weasels2_237
10: Grayson_232
11: Grayson_206
12: Peregrin_203
13: Grayson_26
14: Grayson_20
15: Weasels2_22
16: Peregrin_19
17: Grayson_21
18: Trina_236
19: NiceHouse_173
20: NiceHouse_172
21: Trina_234
22: BrutonGaster_97
23: Yakult_64
24: RanchFarmCat_67
25: GIKK_67
26: Jamzy_67
27: Margaret_67
28: Button_63
29: Sephiroth_46
30: Kudeire_45 + 1
31: Octobien14_47
32: Trax_45
33: Trax_53 + 2
34: Rabbitrun_55
35: Neville_46
36: LilJank_45
37: Rabbitrun_47
38: Marshmallow_71 + 44
39: Marshmallow_78 + 18
40: HumlyPuff_83 + 1
41: Rimmer_69 + 15
42: Budgie_86
43: Qualification_69 + 71
44: GoldenSpark_72 + 26
45: IHOP_71 + 81
46: Traaww1_64 + 13
47: FairyPath_81 + 5
48: Buck_74 + 1
49: Petra64142_84 + 79
50: Nala_70 + 10

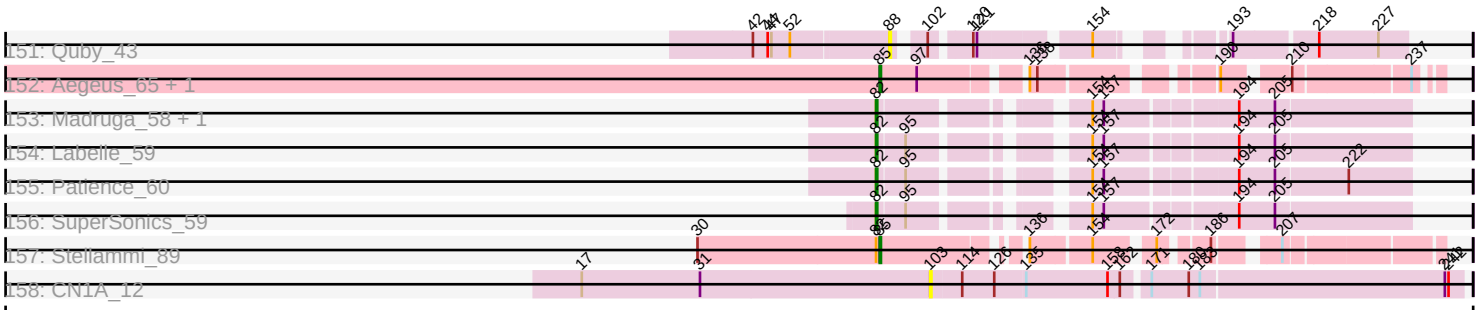
Pham 347039


51: Rimmer_81 + 10
52: Cookies_70 + 4
53: Emmina_80 + 2
54: Petra64142_77 + 2
55: Amao_80
56: Bench_83 + 10
57: Tomaszewski_75
58: FoghornLeghorn_74
59: Miniwave_75 + 3
60: SirDuracell_72 + 3
61: Sassay_75 + 1
62: Cookies_65
63: ChotaBhai_68 + 2
64: TeardropMSU_76 + 2
65: TeamEdward_75
66: YassJohnny_70
67: Tomaszewski_68
68: Budgie_74
69: Budgie_79
70: ChiliPepper_48
71: BabyYoda_51 + 3
72: Katzastrophic_50 + 3
73: Sharkboy_49 + 2
74: Kamdara_48 + 1
75: Akino08_52 + 1
76: Quenya_51
77: AvGardian_52
78: WalkingDead_53 + 1
79: Icarian_54
80: PondAmelia_52
81: Elva_53
82: Wolfstar_113
83: Roman_110 + 6
84: Roman_109 + 6
85: Uterion_111
86: OlinDD_107 + 5
87: Lupine_106
88: Solimine_109
89: Casablancas_107 + 10
90: StevieWelch_107
91: Mugelja_106
92: Erellyeager_107
93: Lyell_106
94: Issa7_106
95: Deschain_107
96: Mistmere_103
97: Dodo_319
98: PauloDiaboli_327
99: A3Wally_326
100: Big4_12 + 1

Pham 347039


I01: Zooman_10 + 1
I02: Erasmago_351 + 1
I03: Cece_15 + 1
I04: Bagrid_119 + 6
I05: Klein_131 + 17
I06: HokkenD_108 + 14
I07: Constella_101
I08: Dallas_119 + 1
I09: Hannaconda_104 + 8
I10: Shaboozey_134 + 2
I11: NihilNomen_136 + 6
I12: Lucky2013_128 + 7
I13: Nekros_136
I14: BAKA_134
I15: Superphikiman_131 + 2
I16: Schatzie_113 + 3
I17: LittleE_136 + 1
I18: Xiaokay_107
I19: Ejimix_128 + 4
I20: Colossa_134
I21: VanLee_135
I22: Silvereal_42 + 14
I23: AvadaKedavra_43
I24: MAckerman_43 + 1
I25: Tyson_42
I26: Nicholasp3_45 + 3
I27: Kahlid_45 + 9
I28: Bazzle_45 + 1
I29: ChengKai98_45 + 4
I30: Baoshan_44 + 1
I31: SoJulia_46 + 2
I32: Rossetti_46
I33: Crossroads_45 + 4
I34: ZhongYanYuan_43 + 2
I35: Faith1_45 + 5
I36: Rumpelstiltskin_45
I37: Tourach_44
I38: Krypton555_42
I39: Samty_42 + 9
I40: DuncansLeg_42 + 4
I41: Claudiastrophe_42 + 1
I42: Lolly9_42
I43: Jubie_42 + 2
I44: MiniLon_42 + 1
I45: DyoEdafos_44 + 1
I46: BrainDrainer_43
I47: Douge_42 + 1
I48: ChutneyChips_43 + 2
I49: Bromden_45
I50: PYPDinur_41 + 1

Pham 347039


151: Quby_43
152: Aegeus_65 + 1
153: Madruga_58 + 1
154: Labelle_59
155: Patience_60
156: SuperSonics_59
157: Stellammi_89
158: CN1A_12

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 347039 Report

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

Pham number 347039 has 747 members, 86 are drafts.

Phages represented in each track:
- Track 1 : Success_26
- Track 2 : Spooks_26
- Track 3 : Weasels2_210
- Track 4 : Peregrin_20
- Track 5 : Peregrin_226
- Track 6 : Peregrin_24
- Track 7 : Weasels2_208
- Track 8 : Weasels2_18
- Track 9 : Weasels2_237
- Track 10 : Grayson_232
- Track 11 : Grayson_206
- Track 12 : Peregrin_203
- Track 13 : Grayson_26
- Track 14 : Grayson_20
- Track 15 : Weasels2_22
- Track 16 : Peregrin_19
- Track 17 : Grayson_21
- Track 18 : Trina_236
- Track 19 : NiceHouse_173
- Track 20 : NiceHouse_172
- Track 21 : Trina_234
- Track 22 : BrutonGaster_97
- Track 23 : Yakult_64
- Track 24 : RanchParmCat_67
- Track 25 : GiKK_67
- Track 26 : Jamzy_67
- Track 27 : Margaret_67
- Track 28 : Button_63
- Track 29 : Sephiroth_46
- Track 30 : Kudefre_45, Syleon_46
- Track 31 : Octobien14_47
- Track 32 : Trax_45
- Track 33 : Trax_53, Neville_54, LilJank_53
- Track 34 : Rabbitrun_55
- Track 35 : Neville_46
- Track 36 : LilJank_45
- Track 37 : Rabbitrun_47

• Track 38 : Marshmallow_71, Dumbo_73, Bogg_73, Teaspoon_74, Nala_75, PaddyBaddy_73, Sassay_68, Greep_77, Thresher_75, Murica_76, 244_74, Nimrod_74, FoghornLeghorn_67, Becksu_72, Command613_75, StellaBean_71, Kostya_73, Youngblood_76, Icee_74, Balomoji_73, Simpliphy_72, NelitzaMV_71, Eureka_71, Livelaughbron_75, Goldilocks_76, Terminus_76, CrystalP_72, Cjw1_73, BugsBunny_73, NonchalantPear_73, Daikon_75, Easy2Say_74, Porky_72, Pumpkin_76, Amao_73, Elph10_73, Murphy_73, Filch_74, Maxxinista_75, MadamMonkfish_73, Wiggin_75, FireRed_77, Thimble_74, Willez_68, GoldenSpark_77
• Track 39 : Marshmallow_78, BugsBunny_80, Kostya_80, Cjw1_80, Bogg_80, Daikon_82, Elph10_80, DrDrey_80, Stank_83, Adnama_84, NelitzaMV_78, Eureka_78, Goku_78, Bruin_77, GoldenSpark_84, MISSy_81, Command613_82, ABCat_77, Dumbo_80
• Track 40 : HufflyPuff_83, Porky_79
• Track 41 : Rimmer_69, FoghornLeghorn_62, Sassay_63, Harella_68, Bask21_68, Petra64142_72, SirDuracell_67, MollyToe_63, YassJohnny_65, StormChicken_70, Buck_69, Glexan_67, TeamEdward_70, Tomaszewski_63, DoctorDiddles_67, Willez_63
• Track 42 : Budgie_86
• Track 43 : Quallification_69, Eureka_66, Miniwave_63, IHOP_66, Greep_72, Thresher_70, Kanye_65, Murica_71, Murphy_68, Pharsalus_65, Czyszczon1_69, BadStone_65, Gator_66, HufflyPuff_71, Stark_69, Paperbeatsrock_67, Tarkin_67, Rakim_69, ABCat_65, Hopey_68, Phaux_70, NelitzaMV_66, Marshmallow_66, BigBubba_68, Bogg_68, Tuco_69, Lilpickle_67, PhatBacter_72, Goku_66, Icee_69, Ptowny_65, Flypotenuse_64, ShereKhan_67, OrionPax_67, Lilac_70, StellaBean_66, RiverMonster_68, Manda_68, Sotrice96_69, Ukulele_63, Cactus_71, Elph10_68, Kostya_68, SophKB_65, Elite2014_67, ChosenOne_68, Balomoji_68, Dusk_65, DrDrey_68, Palpatine_70, Simpliphy_67, Policronamos_71, Saints25_67, Livelaughbron_70, PaddyBaddy_68, Highbury_67, NoSleep_69, Daikon_70, TeardropMSU_64, Dumbo_68, Pumpkin_71, xkcd_71, 244_69, Maxxinista_70, Phrux_65, Phaja_66, Cjw1_68, HanKaySha_68, BugsBunny_68, Myrale_68, Xandras_67, Filch_69
• Track 44 : GoldenSpark_72, Porky_67, Hoonter_71, FairyPath_69, Gemini_73, Gage_70, Emmina_68, TBrady12_71, Thimble_69, Youngblood_71, Lilizi_69, Brewer_64, BaboJay_65, Inca_65, MadamMonkfish_68, JeTaime_68, NonchalantPear_68, Argent26_72, GooberAzure_71, Goldilocks_71, Bench_71, Kimchi_72, StolenFromERC_71, AmericanBeauty_72, Command613_70, Teaspoon_69, Holt_73
• Track 45 : IHOP_71, Traaww1_69, Miniwave_68, Highbury_72, NoSleep_74, Glexan_72, Lilizi_74, Inca_70, Gemini_78, MISSy_74, Moldemort_76, Gage_75, Phaja_71, Mosby_69, Manda_74, HanKaySha_73, SophKB_70, Elite2014_72, MPhalcon_74, Dusk_70, Quallification_74, Kanye_70, Saints25_72, PhatBacter_77, FairyPath_74, JeTaime_73, HufflyPuff_76, BadStone_70, Lilpickle_72, Contagion_69, Palpatine_75, ShereKhan_72, Henry_71, Emmina_73, Flypotenuse_69, Mindy_72, Hoonter_76, Lilac_75, Phaux_75, Ukulele_68, Cactus_76, Adnama_77, Hopey_73, GooberAzure_76, Myrale_73, TBrady12_76, Bench_76, BaboJay_70, Goku_71, Kimchi_77, Asriel_72, Policronamos_76, Bruin_70, Argent26_77, Xandras_72, Tuco_74, Stank_76, Barbarian_72, TeardropMSU_69, ShamWow_73, xkcd_76, BilboSwaggins_71, StolenFromERC_76, Phrux_70, Sotrice96_74, Harella_73, AmericanBeauty_77, Czyszczon1_74, Toto_71, Pharsalus_70, Gator_71, Stark_74, Brewer_69, Misfit_74, ChosenOne_73, Tarkin_72, ABCat_70, RiverMonster_73, Ptowny_70, DrDrey_73, Holt_78, Paperbeatsrock_72

• Track 46 : Traaww1_64, Easy2Say_69, BilboSwaggins_66, Moldemort_71, CrystalP_67, Asriel_67, Henry_66, Barbarian_67, ShamWow_68, Adnama_72, Toto_66, Stank_71, Mindy_67, Wiggin_70
• Track 47 : FairyPath_81, Phaja_78, SophKB_77, ShereKhan_78, Quallification_81, Myrale_80
• Track 48 : Buck_74, StormChicken_75
• Track 49 : Petra64142_84, Highbury_79, Flypotenuse_76, Mosby_76, Palpatine_82, Inca_77, Filch_81, Moldemort_83, NonchalantPear_80, Dusk_77, Becksu_79, AmericanBeauty_84, Rakim_81, Misfit_81, Lilac_82, Terminus_83, IHOP_78, Glexan_79, Kanye_77, Saints25_79, Cactus_83, Buck_81, Simpliphy_79, GooberAzure_83, MadamMonkfish_80, Lilpickle_79, Holt_85, JeTaime_80, StellaBean_78, BilboSwaggins_78, Gemini_85, Greep_84, Icee_81, MPhalcon_81, Mindy_79, Kimchi_84, Czyszczon1_81, Maxxinista_82, Hopey_80, BadStone_77, Balomoji_80, Harella_80, TBrady12_83, Livelaughbron_82, Henry_78, Stark_81, RiverMonster_80, Easy2Say_81, CrystalP_79, Ukulele_75, BaboJay_77, Asriel_79, Murphy_80, HanKaySha_80, Goldilocks_83, StolenFromERC_83, Tuco_81, BigBubba_80, Traaww1_76, OrionPax_79, Gage_82, Thresher_82, ShamWow_80, ChosenOne_80, Phrux_77, Contagion_76, Youngblood_83, Toto_78, Brewer_76, Manda_81, Gator_78, Teaspoon_81, Barbarian_79, Elite2014_79, NoSleep_81, Wiggin_82, Argent26_84, PaddyBaddy_80, Sotrice96_81, Ptowny_77
• Track 50 : Nala_70, MPhalcon_69, Mosby_64, Bruin_65, Nimrod_69, Contagion_64, Becksu_67, Terminus_71, Misfit_69, FireRed_72, MISSy_69
• Track 51 : Rimmer_81, Cookies_77, Bask21_80, ChotaBhai_80, SirDuracell_79, Pat3_78, Phaux_82, Policronamos_83, TeamEdward_82, DoctorDiddles_79, MollyToe_75
• Track 52 : Cookies_70, ChotaBhai_73, Rakim_74, Pat3_71, BigBubba_73
• Track 53 : Emmina_80, xkcd_83, Murica_83
• Track 54 : Petra64142_77, Rimmer_74, MollyToe_68
• Track 55 : Amao_80
• Track 56 : Bench_83, Thimble_81, 244_81, Pumpkin_83, PhatBacter_84, Lilizi_81, FireRed_84, Hoonter_83, Xandras_79, Nimrod_81, Nala_82
• Track 57 : Tomaszewski_75
• Track 58 : FoghornLeghorn_74
• Track 59 : Miniwave_75, Tarkin_79, Pharsalus_77, Paperbeatsrock_79
• Track 60 : SirDuracell_72, Bask21_73, OrionPax_72, DoctorDiddles_72
• Track 61 : Sassay_75, Willez_75
• Track 62 : Cookies_65
• Track 63 : ChotaBhai_68, Amao_68, Pat3_66
• Track 64 : TeardropMSU_76, StormChicken_82, YassJohnny_77
• Track 65 : TeamEdward_75
• Track 66 : YassJohnny_70
• Track 67 : Tomaszewski_68
• Track 68 : Budgie_74
• Track 69 : Budgie_79
• Track 70 : ChiliPepper_48
• Track 71 : BabyYoda_51, DirtyBubble_50, Stromboli_51, SanaSana_53
• Track 72 : Katzastrophic_50, FlameThrower_48, Celaena_49, Bachaco_49
• Track 73 : Sharkboy_49, Dismas_48, Rona_48
• Track 74 : Kamdara_48, Kieran_48
• Track 75 : Akino08_52, Loviatar_52
• Track 76 : Quenya_51
• Track 77 : AvGardian_52
• Track 78 : WalkingDead_53, Stoor_51

• Track 79 : Icarian_54
• Track 80 : PondAmelia_52
• Track 81 : Elva_53
• Track 82 : Wolfstar_113
• Track 83 : Roman_110, Saradis_110, Hubbs_108, Pavlo_109, Solimine_110, DejaVu_109, PhillyPhilly_106
• Track 84 : Roman_109, Hubbs_107, Uterion_110, Pavlo_108, DejaVu_108, PhillyPhilly_105, Saradis_109
• Track 85 : Uterion_111
• Track 86 : OlinDD_107, Pioneer3_107, Hortus1_107, Alleb_103, Platte_106, Tandem_107
• Track 87 : Lupine_106
• Track 88 : Solimine_109
• Track 89 : Casablancas_107, DustyDino_110, Shroomer_112, SteakFry_110, HollowPurple_108, Yuma_105, Welcome_109, Necrophoxinus_109, ASegato_105, RunningBrook_108, Fork_103
• Track 90 : StevieWelch_107
• Track 91 : Musetta_105
• Track 92 : Erenyeager_107
• Track 93 : Lyell_106
• Track 94 : Issa7_106
• Track 95 : Deschain_107
• Track 96 : Mistmere_103
• Track 97 : Dodo_319
• Track 98 : PauloDiaboli_327
• Track 99 : A3Wally_326
• Track 100 : Big4_12, Big4_338
• Track 101 : Zooman_10, Zooman_323
• Track 102 : Erasmago_351, Erasmago_13
• Track 103 : Cece_15, Cece_317
• Track 104 : Bagrid_119, Halley_121, Minerva_116, DmpstrDiver_119, Hughesyang_118, Pound_108, Ejimix_113
• Track 105 : Klein_131, Redno2_126, Wanda_133, Zelink_129, Odette_138, ThreeRngTarjay_130, Minerva_133, Dove_120, HokkenD_126, DmpstrDiver_134, Constella_128, Duke13_129, Schatzie_130, Bagrid_135, Yeet_128, Phoebus_135, EricMillard_126, Hughesyang_134
• Track 106 : HokkenD_108, Ariel_113, Redno2_112, Lucky2013_110, Courthouse_108, JuicyJay_115, Porcelain_113, Phoebus_119, Squint_111, Rearden_107, Beem_120, Superphikiman_110, MiaZeal_113, NihilNomen_120, Dove_104
• Track 107 : Constella_101
• Track 108 : Dallas_119, Thibault_99
• Track 109 : Hannaconda_104, Nibley_106, KashFlow_110, Nekros_115, Shaboozey_111, BronnyJames_111, Gonephishing_107, LittleE_118, Omega_124
• Track 110 : Shaboozey_134, BronnyJames_131, Nibley_130
• Track 111 : NihilNomen_136, Hidrated_119, Bombitas_122, JuicyJay_131, Bobby_126, Marleymoo_119, Beem_136
• Track 112 : Lucky2013_128, MiaZeal_133, Rearden_132, Gonephishing_128, Hannaconda_127, KashFlow_131, Porcelain_131, Squint_131
• Track 113 : Nekros_136
• Track 114 : BAKA_134
• Track 115 : Superphikiman_131, Ariel_133, Courthouse_129
• Track 116 : Schatzie_113, Bombitas_106, Yeet_109, Odette_120

• Track 117 : LittleE_136, Omega_143
• Track 118 : Xiaokay_107
• Track 119 : Ejimix_128, Xiaokay_130, Halley_136, Thibault_119, Dallas_135
• Track 120 : Colossa_134
• Track 121 : VanLee_135
• Track 122 : Silverleaf_42, OhShagHennessy_42, Rose5_42, Zaria_43, Enceladus_42, Halena_42, DirkDirk_42, JoeDirt_42, Wyatt2_43, UPIE_43, Calm_43, Acquire49_43, Wamburgrxpress_43, LeBron_43, Appletree2_42
• Track 123 : AvadaKedavra_43
• Track 124 : MAckerman_43, CicholasNage_43
• Track 125 : Tyson_42
• Track 126 : Nicholasp3_45, Loadrie_44, GuuelaD_44, Wigglewiggle_45
• Track 127 : Kahlid_45, Gabriela_45, BigCheese_45, DrSeegs_45, Vetrix_45, Lewan_45, Netyap_45, Wilder_45, MkaliMitinis3_45, LilDestine_45
• Track 128 : Bazzle_45, Archie_45
• Track 129 : ChengKai98_45, Hafay_45, Molivier_45, Soap141_45, Sarshaun_45
• Track 130 : Baoshan_44, Claus_45
• Track 131 : SoJulia_46, Lynnae_45, BobsGarage_45
• Track 132 : Rossetti_46
• Track 133 : Crossroads_45, OverPar_45, Zakai_45, Gardann_45, Underpass_45
• Track 134 : ZhongYanYuan_43, DHan_46, DanBing_44
• Track 135 : Faith1_45, Itos_44, Finemlucis_45, Winky_45, Breezona_45, Miley16_45
• Track 136 : Rumpelstiltskin_45
• Track 137 : Tourach_44
• Track 138 : Krypton555_42
• Track 139 : Samty_42, Moostard_42, Jobypre_42, Red305_42, Kingsolomon_42, Bellis_42, Finnry_42, Snenia_42, TriFive_42, Nicholas_42
• Track 140 : DuncansLeg_42, Ellson_42, LiyuLake_42, BourbonZero_41, KirDoubleO7_40
• Track 141 : Clautastrophe_42, MsGreen_42
• Track 142 : Lolly9_42
• Track 143 : Jubie_42, Whirlwind_43, Lumos_42
• Track 144 : MiniLon_42, MiniMac_42
• Track 145 : DyoEdafos_44, Kropertea_43
• Track 146 : BrainDrainer_43
• Track 147 : Douge_42, Chaser_42
• Track 148 : ChutneyChips_43, Douzhi_42, FarmResident_43
• Track 149 : Bromden_45
• Track 150 : PYPDinur_41, Sheng711_43
• Track 151 : Quby_43
• Track 152 : Aegeus_65, Baudelaire_65
• Track 153 : Madruga_58, Demikore_60
• Track 154 : Labelle_59
• Track 155 : Patience_60
• Track 156 : SuperSonics_59
• Track 157 : Stellammi_89
• Track 158 : CN1A_12

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

The start number called the most often in the published annotations is 82, it was called in 139 of the 661 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 244_69, ABCat_65, Adnama_72, Amao_68, AmericanBeauty_72, Argent26_72, Asriel_67, BaboJay_65, BadStone_65, Balomoji_68, Barbarian_67, Bask21_68, Becksu_67, Bench_71, BigBubba_68, BilboSwaggins_66, Bogg_68, Brewer_64, Bruin_65, Buck_69, Budgie_74, BugsBunny_68, Cactus_71, ChosenOne_68, ChotaBhai_68, Cjw1_68, Command613_70, Contagion_64, Cookies_65, CrystalP_67, Czyszczon1_69, Daikon_70, Demikore_60, DoctorDiddles_67, DrDrey_68, Dumbo_68, Dusk_65, Easy2Say_69, Elite2014_67, Elph10_68, Emmina_68, Eureka_66, FairyPath_69, Filch_69, FireRed_72, Flypotenuse_64, FoghornLeghorn_62, Gage_70, Gator_66, Gemini_73, Glexan_67, Goku_66, GoldenSpark_72, Goldilocks_71, GooberAzure_71, Greep_72, HanKaySha_68, Harella_68, Henry_66, Highbury_67, Holt_73, Hoonter_71, Hopey_68, HufflyPuff_71, IHOP_66, Icee_69, Inca_65, JeTaime_68, Kanye_65, Kimchi_72, Kostya_68, Labelle_59, Lilac_70, Lilizi_69, Lilpickle_67, Livelaughbron_70, MISSy_69, MPhalcon_69, MadamMonkfish_68, Madruga_58, Manda_68, Marshmallow_66, Maxxinista_70, Mindy_67, Miniwave_63, Misfit_69, Moldemort_71, MollyToe_63, Mosby_64, Murica_71, Murphy_68, Myrale_68, Nala_70, NelitzaMV_66, Nimrod_69, NoSleep_69, NonchalantPear_68, OrionPax_67, PaddyBaddy_68, Palpatine_70, Paperbeatsrock_67, Pat3_66, Patience_60, Peregrin_203, Petra64142_72, Phaja_66, Pharsalus_65, PhatBacter_72, Phaux_70, Phrux_65, Policronamos_71, Porky_67, Ptowny_65, Pumpkin_71, Quallification_69, Rakim_69, Rimmer_69, RiverMonster_68, Saints25_67, Sassay_63, ShamWow_68, ShereKhan_67, Simpliphy_67, SirDuracell_67, SophKB_65, Sotrice96_69, Stank_71, Stark_69, StellaBean_66, StolenFromERC_71, StormChicken_70, SuperSonics_59, TBrady12_71, Tarkin_67, TeamEdward_70, TeardropMSU_64, Teaspoon_69, Terminus_71, Thimble_69, Thresher_70, Tomaszewski_63, Toto_66, Traaww1_64, Tuco_69, Ukulele_63, Wiggin_70, Willez_63, Xandras_67, YassJohnny_65, Youngblood_71, xkcd_71,

Genes that have the "Most Annotated" start but do not call it:
• AvGardian_52, Button_63, GiKK_67, Jamzy_67, Margaret_67, RanchParmCat_67, Stellammi_89, Trina_234,

Genes that do not have the "Most Annotated" start:
• 244_74, 244_81, A3Wally_326, ABCat_70, ABCat_77, ASegato_105, Acquire49_43, Adnama_77, Adnama_84, Aegeus_65, Akino08_52, Alleb_103, Amao_73, Amao_80, AmericanBeauty_77, AmericanBeauty_84, Appletree2_42, Archie_45, Argent26_77, Argent26_84, Ariel_113, Ariel_133, Asriel_72, Asriel_79, AvadaKedavra_43, BAKA_134, BaboJay_70, BaboJay_77, BabyYoda_51, Bachaco_49, BadStone_70, BadStone_77, Bagrid_119, Bagrid_135, Balomoji_73, Balomoji_80, Baoshan_44, Barbarian_72, Barbarian_79, Bask21_73, Bask21_80, Baudelaire_65, Bazzle_45, Becksu_72, Becksu_79, Beem_120, Beem_136, Bellis_42, Bench_76, Bench_83, Big4_12, Big4_338, BigBubba_73, BigBubba_80, BigCheese_45, BilboSwaggins_71, BilboSwaggins_78, Bobby_126, BobsGarage_45, Bogg_73, Bogg_80, Bombitas_106, Bombitas_122, BourbonZero_41, BrainDrainer_43, Breezona_45, Brewer_69, Brewer_76, Bromden_45, BronnyJames_111, BronnyJames_131, Bruin_70, Bruin_77, BrutonGaster_97, Buck_74, Buck_81, Budgie_79, Budgie_86, BugsBunny_73, BugsBunny_80, CN1A_12, Cactus_76, Cactus_83, Calm_43, Casablancas_107, Cece_15,

Cece_317, Celaena_49, Chaser_42, ChengKai98_45, ChiliPepper_48, ChosenOne_73, ChosenOne_80, ChotaBhai_73, ChotaBhai_80, ChutneyChips_43, CicholasNage_43, Cjw1_73, Cjw1_80, Claus_45, Clautastrophe_42, Colossa_134, Command613_75, Command613_82, Constella_101, Constella_128, Contagion_69, Contagion_76, Cookies_70, Cookies_77, Courthouse_108, Courthouse_129, Crossroads_45, CrystalP_72, CrystalP_79, Czyszczon1_74, Czyszczon1_81, DHan_46, Daikon_75, Daikon_82, Dallas_119, Dallas_135, DanBing_44, DejaVu_108, DejaVu_109, Deschain_107, DirkDirk_42, DirtyBubble_50, Dismas_48, DmpstrDiver_119, DmpstrDiver_134, DoctorDiddles_72, DoctorDiddles_79, Dodo_319, Douge_42, Douzhi_42, Dove_104, Dove_120, DrDrey_73, DrDrey_80, DrSeegs_45, Duke13_129, Dumbo_73, Dumbo_80, DuncansLeg_42, Dusk_70, Dusk_77, DustyDino_110, DyoEdafos_44, Easy2Say_74, Easy2Say_81, Ejimix_113, Ejimix_128, Elite2014_72, Elite2014_79, Ellson_42, Elph10_73, Elph10_80, Elva_53, Emmina_73, Emmina_80, Enceladus_42, Erasmago_13, Erasmago_351, Erenyeager_107, EricMillard_126, Eureka_71, Eureka_78, FairyPath_74, FairyPath_81, Faith1_45, FarmResident_43, Filch_74, Filch_81, Finemlucis_45, Finnry_42, FireRed_77, FireRed_84, FlameThrower_48, Flypotenuse_69, Flypotenuse_76, FoghornLeghorn_67, FoghornLeghorn_74, Fork_103, Gabriela_45, Gage_75, Gage_82, Gardann_45, Gator_71, Gator_78, Gemini_78, Gemini_85, Glexan_72, Glexan_79, Goku_71, Goku_78, GoldenSpark_77, GoldenSpark_84, Goldilocks_76, Goldilocks_83, Gonephishing_107, Gonephishing_128, GooberAzure_76, GooberAzure_83, Grayson_20, Grayson_206, Grayson_21, Grayson_232, Grayson_26, Greep_77, Greep_84, GuuelaD_44, Hafay_45, Halena_42, Halley_121, Halley_136, HanKaySha_73, HanKaySha_80, Hannaconda_104, Hannaconda_127, Harella_73, Harella_80, Henry_71, Henry_78, Hidrated_119, Highbury_72, Highbury_79, HokkenD_108, HokkenD_126, HollowPurple_108, Holt_78, Holt_85, Hoonter_76, Hoonter_83, Hopey_73, Hopey_80, Hortus1_107, Hubbs_107, Hubbs_108, HufflyPuff_76, HufflyPuff_83, Hughesyang_118, Hughesyang_134, IHOP_71, IHOP_78, Icarian_54, Icee_74, Icee_81, Inca_70, Inca_77, Issa7_106, Itos_44, JeTaime_73, JeTaime_80, Jobypre_42, JoeDirt_42, Jubie_42, JuicyJay_115, JuicyJay_131, Kahlid_45, Kamdara_48, Kanye_70, Kanye_77, KashFlow_110, KashFlow_131, Katzastrophic_50, Kieran_48, Kimchi_77, Kimchi_84, Kingsolomon_42, KirDoubleO7_40, Klein_131, Kostya_73, Kostya_80, Kropertea_43, Krypton555_42, Kudefre_45, LeBron_43, Lewan_45, LilDestine_45, LilJank_45, LilJank_53, Lilac_75, Lilac_82, Lilizi_74, Lilizi_81, Lilpickle_72, Lilpickle_79, LittleE_118, LittleE_136, Livelaughbron_75, Livelaughbron_82, LiyuLake_42, Loadrie_44, Lolly9_42, Loviatar_52, Lucky2013_110, Lucky2013_128, Lumos_42, Lupine_106, Lyell_106, Lynnae_45, MAckerman_43, MISSy_74, MISSy_81, MPhalcon_74, MPhalcon_81, MadamMonkfish_73, MadamMonkfish_80, Manda_74, Manda_81, Marleymoo_119, Marshmallow_71, Marshmallow_78, Maxxinista_75, Maxxinista_82, MiaZeal_113, MiaZeal_133, Miley16_45, Mindy_72, Mindy_79, Minerva_116, Minerva_133, MiniLon_42, MiniMac_42, Miniwave_68, Miniwave_75, Misfit_74, Misfit_81, Mistmere_103, MkaliMitinis3_45, Moldemort_76, Moldemort_83, Molivier_45, MollyToe_68, MollyToe_75, Moostard_42, Mosby_69, Mosby_76, MsGreen_42, Murica_76, Murica_83, Murphy_73, Murphy_80, Musetta_105, Myrale_73, Myrale_80, Nala_75, Nala_82, Necrophoxinus_109, Nekros_115, Nekros_136, NelitzaMV_71, NelitzaMV_78, Netyap_45, Neville_46, Neville_54, Nibley_106, Nibley_130, NiceHouse_172, NiceHouse_173, Nicholas_42, Nicholasp3_45, NihilNomen_120, NihilNomen_136, Nimrod_74, Nimrod_81, NoSleep_74, NoSleep_81, NonchalantPear_73, NonchalantPear_80, Octobien14_47, Odette_120, Odette_138, OhShagHennessy_42, OlinDD_107, Omega_124, Omega_143, OrionPax_72, OrionPax_79, OverPar_45, PYPDinur_41, PaddyBaddy_73,

PaddyBaddy_80, Palpatine_75, Palpatine_82, Paperbeatsrock_72, Paperbeatsrock_79, Pat3_71, Pat3_78, PauloDiaboli_327, Pavlo_108, Pavlo_109, Peregrin_19, Peregrin_20, Peregrin_226, Peregrin_24, Petra64142_77, Petra64142_84, Phaja_71, Phaja_78, Pharsalus_70, Pharsalus_77, PhatBacter_77, PhatBacter_84, Phaux_75, Phaux_82, PhillyPhilly_105, PhillyPhilly_106, Phoebus_119, Phoebus_135, Phrux_70, Phrux_77, Pioneer3_107, Platte_106, Policronamos_76, Policronamos_83, PondAmelia_52, Porcelain_113, Porcelain_131, Porky_72, Porky_79, Pound_108, Ptowny_70, Ptowny_77, Pumpkin_76, Pumpkin_83, Quallification_74, Quallification_81, Quby_43, Quenya_51, Rabbitrun_47, Rabbitrun_55, Rakim_74, Rakim_81, Rearden_107, Rearden_132, Red305_42, Redno2_112, Redno2_126, Rimmer_74, Rimmer_81, RiverMonster_73, RiverMonster_80, Roman_109, Roman_110, Rona_48, Rose5_42, Rossetti_46, Rumpelstiltskin_45, RunningBrook_108, Saints25_72, Saints25_79, Samty_42, SanaSana_53, Saradis_109, Saradis_110, Sarshaun_45, Sassay_68, Sassay_75, Schatzie_113, Schatzie_130, Sephiroth_46, Shaboozey_111, Shaboozey_134, ShamWow_73, ShamWow_80, Sharkboy_49, Sheng711_43, ShereKhan_72, ShereKhan_78, Shroomer_112, Silverleaf_42, Simpliphy_72, Simpliphy_79, SirDuracell_72, SirDuracell_79, Snenia_42, SoJulia_46, Soap141_45, Solimine_109, Solimine_110, SophKB_70, SophKB_77, Sotrice96_74, Sotrice96_81, Spooks_26, Squint_111, Squint_131, Stank_76, Stank_83, Stark_74, Stark_81, SteakFry_110, StellaBean_71, StellaBean_78, StevieWelch_107, StolenFromERC_76, StolenFromERC_83, Stoor_51, StormChicken_75, StormChicken_82, Stromboli_51, Success_26, Superphikiman_110, Superphikiman_131, Syleon_46, TBrady12_76, TBrady12_83, Tandem_107, Tarkin_72, Tarkin_79, TeamEdward_75, TeamEdward_82, TeardropMSU_69, TeardropMSU_76, Teaspoon_74, Teaspoon_81, Terminus_76, Terminus_83, Thibault_119, Thibault_99, Thimble_74, Thimble_81, ThreeRngTarjay_130, Thresher_75, Thresher_82, Tomaszewski_68, Tomaszewski_75, Toto_71, Toto_78, Tourach_44, Traaww1_69, Traaww1_76, Trax_45, Trax_53, TriFive_42, Trina_236, Tuco_74, Tuco_81, Tyson_42, UPIE_43, Ukulele_68, Ukulele_75, Underpass_45, Uterion_110, Uterion_111, VanLee_135, Vetrix_45, WalkingDead_53, Wamburgrxpress_43, Wanda_133, Weasels2_18, Weasels2_208, Weasels2_210, Weasels2_22, Weasels2_237, Welcome_109, Whirlwind_43, Wiggin_75, Wiggin_82, Wigglewiggle_45, Wilder_45, Willez_68, Willez_75, Winky_45, Wolfstar_113, Wyatt2_43, Xandras_72, Xandras_79, Xiaokay_107, Xiaokay_130, Yakult_64, YassJohnny_70, YassJohnny_77, Yeet_109, Yeet_128, Youngblood_76, Youngblood_83, Yuma_105, Zakai_45, Zaria_43, Zelink_129, ZhongYanYuan_43, Zooman_10, Zooman_323, xkcd_76, xkcd_83,

Summary by start number:

Start 33:
• Found in 3 of 747 (0.4%) of genes in pham
• Manual Annotations of this start: 3 of 661
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kudefre_45 (DU1), Sephiroth_46 (DU1), Syleon_46 (DU1),

Start 35:
• Found in 4 of 747 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 661
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Octobien14_47 (DU1),

Start 42:
• Found in 55 of 747 (7.4%) of genes in pham
• Manual Annotations of this start: 3 of 661
• Called 5.5% of time when present
• Phage (with cluster) where this start called: Clautastrophe_42 (L3), Krypton555_42 (L3), MsGreen_42 (L3),

Start 44:
• Found in 77 of 747 (10.3%) of genes in pham
• Manual Annotations of this start: 10 of 661
• Called 13.0% of time when present
• Phage (with cluster) where this start called: Breezona_45 (L2), Faith1_45 (L2), Finemlucis_45 (L2), GuuelaD_44 (L2), Itos_44 (L2), Loadrie_44 (L2), Miley16_45 (L2), Nicholasp3_45 (L2), Wigglewiggle_45 (L2), Winky_45 (L2),

Start 47:
• Found in 12 of 747 (1.6%) of genes in pham
• Manual Annotations of this start: 5 of 661
• Called 41.7% of time when present
• Phage (with cluster) where this start called: Bromden_45 (L4), Chaser_42 (L4), Douge_42 (L4), DyoEdafos_44 (L4), Kropertea_43 (L4),

Start 48:
• Found in 87 of 747 (11.6%) of genes in pham
• Manual Annotations of this start: 43 of 661
• Called 49.4% of time when present
• Phage (with cluster) where this start called: Acquire49_43 (L1), Appletree2_42 (L1), Archie_45 (L2), AvadaKedavra_43 (L1), Baoshan_44 (L2), Bazzle_45 (L2), BigCheese_45 (L2), Calm_43 (L1), Claus_45 (L2), Crossroads_45 (L2), DirkDirk_42 (L1), DrSeegs_45 (L2), Enceladus_42 (L1), Gabriela_45 (L2), Gardann_45 (L2), Halena_42 (L1), JoeDirt_42 (L1), Jubie_42 (L3), Kahlid_45 (L2), LeBron_43 (L1), Lewan_45 (L2), LilDestine_45 (L2), Lumos_42 (L3), MiniLon_42 (L3), MiniMac_42 (L3), MkaliMitinis3_45 (L2), Netyap_45 (L2), OhShagHennessy_42 (L1), OverPar_45 (L2), Rose5_42 (L1), Rumpelstiltskin_45 (L2), Silverleaf_42 (L1), Tourach_44 (L2), Tyson_42 (L1), UPIE_43 (L1), Underpass_45 (L2), Vetrix_45 (L2), Wamburgrxpress_43 (L1), Whirlwind_43 (L3), Wilder_45 (L2), Wyatt2_43 (L1), Zakai_45 (L2), Zaria_43 (L1),

Start 51:
• Found in 2 of 747 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 661
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cece_15 (GD3), Cece_317 (GD3),

Start 54:
• Found in 2 of 747 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 661
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Button_63 (CT), Yakult_64 (CT),

Start 56:
• Found in 4 of 747 (0.5%) of genes in pham
• Manual Annotations of this start: 4 of 661

• Called 100.0% of time when present
• Phage (with cluster) where this start called: GiKK_67 (CT), Jamzy_67 (CT), Margaret_67 (CT), RanchParmCat_67 (CT),

Start 57:
• Found in 7 of 747 (0.9%) of genes in pham
• Manual Annotations of this start: 7 of 661
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alleb_103 (ED1), Hortus1_107 (ED1), OlinDD_107 (ED1), Pioneer3_107 (ED1), Platte_106 (ED1), Tandem_107 (ED1), Wolfstar_113 (ED),

Start 58:
• Found in 1 of 747 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 661
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elva_53 (EB),

Start 59:
• Found in 47 of 747 (6.3%) of genes in pham
• Manual Annotations of this start: 40 of 661
• Called 97.9% of time when present
• Phage (with cluster) where this start called: ASegato_105 (ED2), Akino08_52 (EB), AvGardian_52 (EB), BabyYoda_51 (EB), Bachaco_49 (EB), Big4_12 (GD2), Big4_338 (GD2), Casablancas_107 (ED2), Celaena_49 (EB), ChiliPepper_48 (EB), Deschain_107 (ED2), DirtyBubble_50 (EB), Dismas_48 (EB), DustyDino_110 (ED2), Erasmago_13 (GD2), Erasmago_351 (GD2), Erenyeager_107 (ED2), FlameThrower_48 (EB), Fork_103 (ED2), HollowPurple_108 (ED2), Icarian_54 (EB), Issa7_106 (ED2), Kamdara_48 (EB), Katzastrophic_50 (EB), Kieran_48 (EB), Loviatar_52 (EB), Lyell_106 (ED2), Mistmere_103 (ED3), Musetta_105 (ED2), Necrophoxinus_109 (ED2), PondAmelia_52 (EB), Quenya_51 (EB), Rona_48 (EB), RunningBrook_108 (ED2), SanaSana_53 (EB), Sharkboy_49 (EB), Shroomer_112 (ED2), SteakFry_110 (ED2), StevieWelch_107 (ED2), Stoor_51 (EB), Stromboli_51 (EB), WalkingDead_53 (EB), Welcome_109 (ED2), Yuma_105 (ED2), Zooman_10 (GD2), Zooman_323 (GD2),

Start 60:
• Found in 8 of 747 (1.1%) of genes in pham
• Manual Annotations of this start: 6 of 661
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DejaVu_108 (ED1), Hubbs_107 (ED1), Pavlo_108 (ED1), PhillyPhilly_105 (ED1), Roman_109 (ED1), Saradis_109 (ED1), Solimine_109 (ED1), Uterion_110 (ED1),

Start 63:
• Found in 4 of 747 (0.5%) of genes in pham
• Manual Annotations of this start: 2 of 661
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Colossa_134 (KA), VanLee_135 (KA),

Start 64:
• Found in 4 of 747 (0.5%) of genes in pham
• Manual Annotations of this start: 4 of 661

• Called 100.0% of time when present
• Phage (with cluster) where this start called: LilJank_53 (DU2), Neville_54 (DU2), Rabbitrun_55 (DU2), Trax_53 (DU2),

Start 65:
• Found in 2 of 747 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 661
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Spooks_26 (BT), Success_26 (BT),

Start 66:
• Found in 20 of 747 (2.7%) of genes in pham
• Manual Annotations of this start: 3 of 661
• Called 15.0% of time when present
• Phage (with cluster) where this start called: Neville_46 (DU2), Rabbitrun_47 (DU2), Trax_45 (DU2),

Start 70:
• Found in 2 of 747 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 661
• Called 50.0% of time when present
• Phage (with cluster) where this start called: NiceHouse_172 (CE),

Start 71:
• Found in 3 of 747 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 661
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Trina_236 (CE),

Start 73:
• Found in 4 of 747 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 661
• Called 25.0% of time when present
• Phage (with cluster) where this start called: LilJank_45 (DU2),

Start 75:
• Found in 12 of 747 (1.6%) of genes in pham
• Manual Annotations of this start: 7 of 661
• Called 75.0% of time when present
• Phage (with cluster) where this start called: DejaVu_109 (ED1), Hubbs_108 (ED1), Lupine_106 (ED1), Pavlo_109 (ED1), PhillyPhilly_106 (ED1), Roman_110 (ED1), Saradis_110 (ED1), Solimine_110 (ED1), Uterion_111 (ED1),

Start 78:
• Found in 4 of 747 (0.5%) of genes in pham
• Manual Annotations of this start: 4 of 661
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Grayson_232 (CB), Peregrin_226 (CB), Weasels2_208 (CB), Weasels2_237 (CB),

Start 80:
• Found in 3 of 747 (0.4%) of genes in pham
• Manual Annotations of this start: 3 of 661

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Grayson_26 (CB), Peregrin_24 (CB), Weasels2_22 (CB),

Start 81:
• Found in 40 of 747 (5.4%) of genes in pham
• Manual Annotations of this start: 31 of 661
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariel_113 (J), Bagrid_119 (J), Beem_120 (J), Bombitas_106 (J), BronnyJames_111 (J), Constella_101 (J), Courthouse_108 (J), Dallas_119 (J), DmpstrDiver_119 (J), Dove_104 (J), Ejimix_113 (J), Gonephishing_107 (J), Grayson_206 (CB), Halley_121 (J), Hannaconda_104 (J), HokkenD_108 (J), Hughesyang_118 (J), JuicyJay_115 (J), KashFlow_110 (J), LittleE_118 (J), Lucky2013_110 (J), MiaZeal_113 (J), Minerva_116 (J), Nekros_115 (J), Nibley_106 (J), NihilNomen_120 (J), Odette_120 (J), Omega_124 (J), Phoebus_119 (J), Porcelain_113 (J), Pound_108 (J), Rearden_107 (J), Redno2_112 (J), Schatzie_113 (J), Shaboozey_111 (J), Squint_111 (J), Superphikiman_110 (J), Thibault_99 (J), Xiaokay_107 (J), Yeet_109 (J),

Start 82:
• Found in 159 of 747 (21.3%) of genes in pham
• Manual Annotations of this start: 139 of 661
• Called 95.0% of time when present
• Phage (with cluster) where this start called: 244_69 (E), ABCat_65 (E), Adnama_72 (E), Amao_68 (E), AmericanBeauty_72 (E), Argent26_72 (E), Asriel_67 (E), BaboJay_65 (E), BadStone_65 (E), Balomoji_68 (E), Barbarian_67 (E), Bask21_68 (E), Becksu_67 (E), Bench_71 (E), BigBubba_68 (E), BilboSwaggins_66 (E), Bogg_68 (E), Brewer_64 (E), Bruin_65 (E), Buck_69 (E), Budgie_74 (E), BugsBunny_68 (E), Cactus_71 (E), ChosenOne_68 (E), ChotaBhai_68 (E), Cjw1_68 (E), Command613_70 (E), Contagion_64 (E), Cookies_65 (E), CrystalP_67 (E), Czyszczon1_69 (E), Daikon_70 (E), Demikore_60 (U), DoctorDiddles_67 (E), DrDrey_68 (E), Dumbo_68 (E), Dusk_65 (E), Easy2Say_69 (E), Elite2014_67 (E), Elph10_68 (E), Emmina_68 (E), Eureka_66 (E), FairyPath_69 (E), Filch_69 (E), FireRed_72 (E), Flypotenuse_64 (E), FoghornLeghorn_62 (E), Gage_70 (E), Gator_66 (E), Gemini_73 (E), Glexan_67 (E), Goku_66 (E), GoldenSpark_72 (E), Goldilocks_71 (E), GooberAzure_71 (E), Greep_72 (E), HanKaySha_68 (E), Harella_68 (E), Henry_66 (E), Highbury_67 (E), Holt_73 (E), Hoonter_71 (E), Hopey_68 (E), HufflyPuff_71 (E), IHOP_66 (E), Icee_69 (E), Inca_65 (E), JeTaime_68 (E), Kanye_65 (E), Kimchi_72 (E), Kostya_68 (E), Labelle_59 (U), Lilac_70 (E), Lilizi_69 (E), Lilpickle_67 (E), Livelaughbron_70 (E), MISSy_69 (E), MPhalcon_69 (E), MadamMonkfish_68 (E), Madruga_58 (U), Manda_68 (E), Marshmallow_66 (E), Maxxinista_70 (E), Mindy_67 (E), Miniwave_63 (E), Misfit_69 (E), Moldemort_71 (E), MollyToe_63 (E), Mosby_64 (E), Murica_71 (E), Murphy_68 (E), Myrale_68 (E), Nala_70 (E), NelitzaMV_66 (E), Nimrod_69 (E), NoSleep_69 (E), NonchalantPear_68 (E), OrionPax_67 (E), PaddyBaddy_68 (E), Palpatine_70 (E), Paperbeatsrock_67 (E), Pat3_66 (E), Patience_60 (U), Peregrin_203 (CB), Petra64142_72 (E), Phaja_66 (E), Pharsalus_65 (E), PhatBacter_72 (E), Phaux_70 (E), Phrux_65 (E), Policronamos_71 (E), Porky_67 (E), Ptowny_65 (E), Pumpkin_71 (E), Quallification_69 (E), Rakim_69 (E), Rimmer_69 (E), RiverMonster_68 (E), Saints25_67 (E), Sassay_63 (E), ShamWow_68 (E), ShereKhan_67 (E), Simpliphy_67 (E), SirDuracell_67 (E), SophKB_65 (E), Sotrice96_69 (E), Stank_71 (E), Stark_69 (E), StellaBean_66 (E), StolenFromERC_71 (E), StormChicken_70 (E), SuperSonics_59 (U), TBrady12_71 (E), Tarkin_67 (E), TeamEdward_70 (E),

TeardropMSU_64 (E), Teaspoon_69 (E), Terminus_71 (E), Thimble_69 (E), Thresher_70 (E), Tomaszewski_63 (E), Toto_66 (E), Traaww1_64 (E), Tuco_69 (E), Ukulele_63 (E), Wiggin_70 (E), Willez_63 (E), Xandras_67 (E), YassJohnny_65 (E), Youngblood_71 (E), xkcd_71 (E),

Start 83:
• Found in 2 of 747 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 661
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Weasels2_210 (CB),

Start 84:
• Found in 48 of 747 (6.4%) of genes in pham
• Manual Annotations of this start: 37 of 661
• Called 97.9% of time when present
• Phage (with cluster) where this start called: Ariel_133 (J), Bagrid_135 (J), Beem_136 (J), Bobby_126 (J), Bombitas_122 (J), BronnyJames_131 (J), Constella_128 (J), Courthouse_129 (J), Dallas_135 (J), DmpstrDiver_134 (J), Dove_120 (J), Duke13_129 (J), Ejimix_128 (J), EricMillard_126 (J), Gonephishing_128 (J), Halley_136 (J), Hannaconda_127 (J), Hidrated_119 (J), HokkenD_126 (J), Hughesyang_134 (J), JuicyJay_131 (J), KashFlow_131 (J), Klein_131 (J), LittleE_136 (J), Lucky2013_128 (J), Marleymoo_119 (J), MiaZeal_133 (J), Minerva_133 (J), Nekros_136 (J), Nibley_130 (J), NihilNomen_136 (J), Odette_138 (J), Omega_143 (J), Phoebus_135 (J), Porcelain_131 (J), Rearden_132 (J), Redno2_126 (J), Schatzie_130 (J), Shaboozey_134 (J), Squint_131 (J), Superphikiman_131 (J), Thibault_119 (J), ThreeRngTarjay_130 (J), Wanda_133 (J), Xiaokay_130 (J), Yeet_128 (J), Zelink_129 (J),

Start 85:
• Found in 7 of 747 (0.9%) of genes in pham
• Manual Annotations of this start: 3 of 661
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Aegeus_65 (L5), Baudelaire_65 (L5), Stellammi_89 (UNK),

Start 86:
• Found in 151 of 747 (20.2%) of genes in pham
• Manual Annotations of this start: 28 of 661
• Called 21.9% of time when present
• Phage (with cluster) where this start called: ABCat_77 (E), Adnama_84 (E), Bogg_80 (E), Bruin_77 (E), BugsBunny_80 (E), Cjw1_80 (E), Command613_82 (E), Daikon_82 (E), DrDrey_80 (E), Dumbo_80 (E), Elph10_80 (E), Eureka_78 (E), FoghornLeghorn_74 (E), Goku_78 (E), GoldenSpark_84 (E), Grayson_20 (CB), Grayson_21 (CB), HufflyPuff_83 (E), Kostya_80 (E), MISSy_81 (E), Marshmallow_78 (E), NelitzaMV_78 (E), Peregrin_19 (CB), Peregrin_20 (CB), Porky_79 (E), Sassay_75 (E), Stank_83 (E), StormChicken_82 (E), TeardropMSU_76 (E), Trina_234 (CE), Weasels2_18 (CB), Willez_75 (E), YassJohnny_77 (E),

Start 87:
• Found in 1 of 747 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 661
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NiceHouse_173 (CE),

Start 88:
• Found in 291 of 747 (39.0%) of genes in pham
• Manual Annotations of this start: 105 of 661
• Called 43.6% of time when present
• Phage (with cluster) where this start called: ABCat_70 (E), Adnama_77 (E), AmericanBeauty_77 (E), Argent26_77 (E), Asriel_72 (E), BAKA_134 (J), BaboJay_70 (E), BadStone_70 (E), Barbarian_72 (E), Bellis_42 (L3), Bench_76 (E), BigBubba_73 (E), BilboSwaggins_71 (E), BobsGarage_45 (L2), BourbonZero_41 (L3), Brewer_69 (E), Bruin_70 (E), Buck_74 (E), Cactus_76 (E), ChengKai98_45 (L2), ChosenOne_73 (E), ChotaBhai_73 (E), ChutneyChips_43 (L4), CicholasNage_43 (L1), Contagion_69 (E), Cookies_70 (E), Czyszczon1_74 (E), DHan_46 (L2), DanBing_44 (L2), Douzhi_42 (L4), DrDrey_73 (E), DuncansLeg_42 (L3), Dusk_70 (E), Elite2014_72 (E), Ellson_42 (L3), Emmina_73 (E), FairyPath_74 (E), FarmResident_43 (L4), Finnry_42 (L3), Flypotenuse_69 (E), Gage_75 (E), Gator_71 (E), Gemini_78 (E), Glexan_72 (E), Goku_71 (E), GooberAzure_76 (E), Hafay_45 (L2), HanKaySha_73 (E), Harella_73 (E), Henry_71 (E), Highbury_72 (E), Holt_78 (E), Hoonter_76 (E), Hopey_73 (E), HufflyPuff_76 (E), IHOP_71 (E), Inca_70 (E), JeTaime_73 (E), Jobypre_42 (L3), Kanye_70 (E), Kimchi_77 (E), Kingsolomon_42 (L3), KirDoubleO7_40 (L3), Lilac_75 (E), Lilizi_74 (E), Lilpickle_72 (E), LiyuLake_42 (L3), Lolly9_42 (L3), Lynnae_45 (L2), MAckerman_43 (L1), MISSy_74 (E), MPhalcon_74 (E), Manda_74 (E), Mindy_72 (E), Miniwave_68 (E), Misfit_74 (E), Moldemort_76 (E), Molivier_45 (L2), Moostard_42 (L3), Mosby_69 (E), Myrale_73 (E), Nicholas_42 (L3), NoSleep_74 (E), PYPDinur_41 (L4), Palpatine_75 (E), Paperbeatsrock_72 (E), Pat3_71 (E), Phaja_71 (E), Pharsalus_70 (E), PhatBacter_77 (E), Phaux_75 (E), Phrux_70 (E), Policronamos_76 (E), Ptowny_70 (E), Quallification_74 (E), Quby_43 (L4), Rakim_74 (E), Red305_42 (L3), RiverMonster_73 (E), Saints25_72 (E), Samty_42 (L3), Sarshaun_45 (L2), ShamWow_73 (E), Sheng711_43 (L4), ShereKhan_72 (E), Snenia_42 (L3), SoJulia_46 (L2), Soap141_45 (L2), SophKB_70 (E), Sotrice96_74 (E), Stank_76 (E), Stark_74 (E), StolenFromERC_76 (E), StormChicken_75 (E), TBrady12_76 (E), Tarkin_72 (E), TeamEdward_75 (E), TeardropMSU_69 (E), Tomaszewski_68 (E), Toto_71 (E), Traaww1_69 (E), TriFive_42 (L3), Tuco_74 (E), Ukulele_68 (E), Xandras_72 (E), ZhongYanYuan_43 (L2), xkcd_76 (E),

Start 91:
• Found in 3 of 747 (0.4%) of genes in pham
• Manual Annotations of this start: 3 of 661
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A3Wally_326 (GD1), Dodo_319 (GD1), PauloDiaboli_327 (GD1),

Start 92:
• Found in 145 of 747 (19.4%) of genes in pham
• Manual Annotations of this start: 45 of 661
• Called 37.2% of time when present
• Phage (with cluster) where this start called: 244_74 (E), Amao_73 (E), Balomoji_73 (E), Bask21_73 (E), Becksu_72 (E), Bogg_73 (E), Budgie_79 (E), BugsBunny_73 (E), Cjw1_73 (E), Command613_75 (E), CrystalP_72 (E), Daikon_75 (E), DoctorDiddles_72 (E), Dumbo_73 (E), Easy2Say_74 (E), Elph10_73 (E), Eureka_71 (E), Filch_74 (E), FireRed_77 (E), FoghornLeghorn_67 (E), GoldenSpark_77 (E), Goldilocks_76 (E), Greep_77 (E), Icee_74 (E), Kostya_73 (E), Livelaughbron_75 (E), MadamMonkfish_73 (E), Marshmallow_71 (E), Maxxinista_75 (E), MollyToe_68 (E),

Murica_76 (E), Murphy_73 (E), Nala_75 (E), NelitzaMV_71 (E), Nimrod_74 (E), NonchalantPear_73 (E), OrionPax_72 (E), PaddyBaddy_73 (E), Petra64142_77 (E), Porky_72 (E), Pumpkin_76 (E), Rimmer_74 (E), Sassay_68 (E), Simpliphy_72 (E), SirDuracell_72 (E), StellaBean_71 (E), Teaspoon_74 (E), Terminus_76 (E), Thimble_74 (E), Thresher_75 (E), Wiggin_75 (E), Willez_68 (E), YassJohnny_70 (E), Youngblood_76 (E),

Start 93:
• Found in 159 of 747 (21.3%) of genes in pham
• Manual Annotations of this start: 112 of 661
• Called 74.2% of time when present
• Phage (with cluster) where this start called: 244_81 (E), Amao_80 (E), AmericanBeauty_84 (E), Argent26_84 (E), Asriel_79 (E), BaboJay_77 (E), BadStone_77 (E), Balomoji_80 (E), Barbarian_79 (E), Bask21_80 (E), Becksu_79 (E), Bench_83 (E), BigBubba_80 (E), BilboSwaggins_78 (E), Brewer_76 (E), Buck_81 (E), Budgie_86 (E), Cactus_83 (E), ChosenOne_80 (E), ChotaBhai_80 (E), Contagion_76 (E), Cookies_77 (E), CrystalP_79 (E), Czyszczon1_81 (E), DoctorDiddles_79 (E), Dusk_77 (E), Easy2Say_81 (E), Elite2014_79 (E), Emmina_80 (E), FairyPath_81 (E), Filch_81 (E), FireRed_84 (E), Flypotenuse_76 (E), Gage_82 (E), Gator_78 (E), Gemini_85 (E), Glexan_79 (E), Goldilocks_83 (E), GooberAzure_83 (E), Greep_84 (E), HanKaySha_80 (E), Harella_80 (E), Henry_78 (E), Highbury_79 (E), Holt_85 (E), Hoonter_83 (E), Hopey_80 (E), IHOP_78 (E), Icee_81 (E), Inca_77 (E), JeTaime_80 (E), Kanye_77 (E), Kimchi_84 (E), Lilac_82 (E), Lilizi_81 (E), Lilpickle_79 (E), Livelaughbron_82 (E), MPhalcon_81 (E), MadamMonkfish_80 (E), Manda_81 (E), Maxxinista_82 (E), Mindy_79 (E), Miniwave_75 (E), Misfit_81 (E), Moldemort_83 (E), MollyToe_75 (E), Mosby_76 (E), Murica_83 (E), Murphy_80 (E), Myrale_80 (E), Nala_82 (E), Nimrod_81 (E), NoSleep_81 (E), NonchalantPear_80 (E), OrionPax_79 (E), PaddyBaddy_80 (E), Palpatine_82 (E), Paperbeatsrock_79 (E), Pat3_78 (E), Petra64142_84 (E), Phaja_78 (E), Pharsalus_77 (E), PhatBacter_84 (E), Phaux_82 (E), Phrux_77 (E), Policronamos_83 (E), Ptowny_77 (E), Pumpkin_83 (E), Quallification_81 (E), Rakim_81 (E), Rimmer_81 (E), RiverMonster_80 (E), Saints25_79 (E), ShamWow_80 (E), ShereKhan_78 (E), Simpliphy_79 (E), SirDuracell_79 (E), SophKB_77 (E), Sotrice96_81 (E), Stark_81 (E), StellaBean_78 (E), StolenFromERC_83 (E), TBrady12_83 (E), Tarkin_79 (E), TeamEdward_82 (E), Teaspoon_81 (E), Terminus_83 (E), Thimble_81 (E), Thresher_82 (E), Tomaszewski_75 (E), Toto_78 (E), Traaww1_76 (E), Tuco_81 (E), Ukulele_75 (E), Wiggin_82 (E), Xandras_79 (E), Youngblood_83 (E), xkcd_83 (E),

Start 102:
• Found in 138 of 747 (18.5%) of genes in pham
• No Manual Annotations of this start.
• Called 1.4% of time when present
• Phage (with cluster) where this start called: BrainDrainer_43 (L4), Rossetti_46 (L2),

Start 103:
• Found in 2 of 747 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: CN1A_12 (singleton),

Start 114:
• Found in 26 of 747 (3.5%) of genes in pham
• Manual Annotations of this start: 1 of 661

• Called 3.8% of time when present
• Phage (with cluster) where this start called: BrutonGaster_97 (CQ2),

Summary by clusters:

There are 26 clusters represented in this pham: GD1, GD2, GD3, singleton, ED2, ED3, ED1, ED, DU1, DU2, E, CB, J, CE, EB, L4, L5, L2, L3, L1, UNK, CT, BT, KA, CQ2, U,

Info for manual annotations of cluster BT:
•Start number 65 was manually annotated 2 times for cluster BT.

Info for manual annotations of cluster CB:
•Start number 78 was manually annotated 4 times for cluster CB.
•Start number 80 was manually annotated 3 times for cluster CB.
•Start number 81 was manually annotated 1 time for cluster CB.
•Start number 82 was manually annotated 1 time for cluster CB.
•Start number 83 was manually annotated 1 time for cluster CB.
•Start number 86 was manually annotated 5 times for cluster CB.

Info for manual annotations of cluster CE:
•Start number 70 was manually annotated 1 time for cluster CE.
•Start number 71 was manually annotated 1 time for cluster CE.
•Start number 86 was manually annotated 1 time for cluster CE.
•Start number 87 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster CQ2:
•Start number 114 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CT:
•Start number 54 was manually annotated 2 times for cluster CT.
•Start number 56 was manually annotated 4 times for cluster CT.

Info for manual annotations of cluster DU1:
•Start number 33 was manually annotated 3 times for cluster DU1.
•Start number 35 was manually annotated 1 time for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 64 was manually annotated 4 times for cluster DU2.
•Start number 66 was manually annotated 3 times for cluster DU2.
•Start number 73 was manually annotated 1 time for cluster DU2.

Info for manual annotations of cluster E:
•Start number 82 was manually annotated 134 times for cluster E.
•Start number 86 was manually annotated 22 times for cluster E.
•Start number 88 was manually annotated 89 times for cluster E.
•Start number 92 was manually annotated 45 times for cluster E.
•Start number 93 was manually annotated 112 times for cluster E.

Info for manual annotations of cluster EB:
•Start number 58 was manually annotated 1 time for cluster EB.
•Start number 59 was manually annotated 21 times for cluster EB.

Info for manual annotations of cluster ED:
•Start number 57 was manually annotated 1 time for cluster ED.

Info for manual annotations of cluster ED1:
•Start number 57 was manually annotated 6 times for cluster ED1.
•Start number 60 was manually annotated 6 times for cluster ED1.
•Start number 75 was manually annotated 7 times for cluster ED1.

Info for manual annotations of cluster ED2:
•Start number 59 was manually annotated 15 times for cluster ED2.

Info for manual annotations of cluster GD1:
•Start number 91 was manually annotated 3 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 59 was manually annotated 4 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 51 was manually annotated 2 times for cluster GD3.

Info for manual annotations of cluster J:
•Start number 81 was manually annotated 30 times for cluster J.
•Start number 84 was manually annotated 37 times for cluster J.
•Start number 88 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster KA:
•Start number 63 was manually annotated 2 times for cluster KA.

Info for manual annotations of cluster L1:
•Start number 48 was manually annotated 17 times for cluster L1.
•Start number 88 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 44 was manually annotated 10 times for cluster L2.
•Start number 48 was manually annotated 21 times for cluster L2.
•Start number 88 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L3:
•Start number 42 was manually annotated 3 times for cluster L3.
•Start number 48 was manually annotated 5 times for cluster L3.
•Start number 88 was manually annotated 11 times for cluster L3.

Info for manual annotations of cluster L4:
•Start number 47 was manually annotated 5 times for cluster L4.
•Start number 88 was manually annotated 1 time for cluster L4.

Info for manual annotations of cluster L5:
•Start number 85 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster U:
•Start number 82 was manually annotated 4 times for cluster U.

Info for manual annotations of cluster UNK:
•Start number 85 was manually annotated 1 time for cluster UNK.

Gene Information:

Gene: 244_74 Start: 47428, Stop: 47793, Start Num: 92
Candidate Starts for 244_74:
(Start: 88 @47422 has 105 MA's), (Start: 92 @47428 has 45 MA's), (130, 47500), (150, 47554), (217, 47725),

Gene: 244_81 Start: 49796, Stop: 50131, Start Num: 93
Candidate Starts for 244_81:
(6, 49226), (9, 49343), (18, 49544), (Start: 86 @49781 has 28 MA's), (Start: 93 @49796 has 112 MA's), (112, 49832), (225, 50111),

Gene: 244_69 Start: 45158, Stop: 45568, Start Num: 82
Candidate Starts for 244_69:
(Start: 82 @45158 has 139 MA's), (150, 45299), (168, 45347), (184, 45395), (218, 45488), (225, 45530),

Gene: A3Wally_326 Start: 170993, Stop: 171403, Start Num: 91
Candidate Starts for A3Wally_326:
(Start: 91 @170993 has 3 MA's), (111, 171035), (115, 171044), (126, 171059), (139, 171095), (176, 171203), (199, 171257), (212, 171293), (220, 171320),

Gene: ABCat_65 Start: 45505, Stop: 45915, Start Num: 82
Candidate Starts for ABCat_65:
(Start: 82 @45505 has 139 MA's), (150, 45646), (168, 45694), (184, 45742), (218, 45835), (225, 45877),

Gene: ABCat_70 Start: 47769, Stop: 48146, Start Num: 88
Candidate Starts for ABCat_70:
(Start: 88 @47769 has 105 MA's), (Start: 92 @47775 has 45 MA's), (130, 47847), (150, 47907), (217, 48078),

Gene: ABCat_77 Start: 50134, Stop: 50484, Start Num: 86
Candidate Starts for ABCat_77:
(18, 49897), (Start: 86 @50134 has 28 MA's), (Start: 93 @50149 has 112 MA's), (112, 50185), (225, 50464),

Gene: ASegato_105 Start: 56034, Stop: 55597, Start Num: 59
Candidate Starts for ASegato_105:
(Start: 59 @56034 has 40 MA's), (Start: 66 @56010 has 3 MA's), (77, 55989), (132, 55893), (136, 55881), (137, 55878), (152, 55836), (164, 55806), (175, 55773),

Gene: Acquire49_43 Start: 34025, Stop: 34441, Start Num: 48
Candidate Starts for Acquire49_43:
(Start: 42 @34004 has 3 MA's), (Start: 48 @34025 has 43 MA's), (76, 34091), (Start: 88 @34112 has 105 MA's), (102, 34130), (124, 34169), (131, 34181), (154, 34238), (186, 34298), (227, 34418),

Gene: Adnama_84 Start: 50160, Stop: 50507, Start Num: 86

Candidate Starts for Adnama_84:
(18, 49923), (Start: 86 @50160 has 28 MA's), (Start: 93 @50175 has 112 MA's), (112, 50211), (225, 50487),

Gene: Adnama_72 Start: 45528, Stop: 45938, Start Num: 82
Candidate Starts for Adnama_72:
(25, 45354), (Start: 82 @45528 has 139 MA's), (132, 45624), (150, 45669), (168, 45717), (184, 45765), (218, 45858), (225, 45900),

Gene: Adnama_77 Start: 47795, Stop: 48172, Start Num: 88
Candidate Starts for Adnama_77:
(Start: 88 @47795 has 105 MA's), (Start: 92 @47801 has 45 MA's), (130, 47873), (150, 47933), (217, 48104),

Gene: Aegeus_65 Start: 44400, Stop: 44765, Start Num: 85
Candidate Starts for Aegeus_65:
(Start: 85 @44400 has 3 MA's), (97, 44430), (136, 44502), (138, 44508), (190, 44622), (210, 44664), (237, 44751),

Gene: Akino08_52 Start: 36189, Stop: 36629, Start Num: 59
Candidate Starts for Akino08_52:
(Start: 59 @36189 has 40 MA's), (79, 36237), (150, 36375), (175, 36438), (178, 36450), (195, 36492), (219, 36561),

Gene: Alleb_103 Start: 57500, Stop: 57114, Start Num: 57
Candidate Starts for Alleb_103:
(27, 57593), (36, 57557), (45, 57524), (55, 57503), (Start: 57 @57500 has 7 MA's), (Start: 93 @57419 has 112 MA's), (109, 57401), (136, 57347), (145, 57323), (170, 57251), (181, 57215), (191, 57197),

Gene: Amao_80 Start: 49569, Stop: 49901, Start Num: 93
Candidate Starts for Amao_80:
(18, 49317), (Start: 86 @49554 has 28 MA's), (Start: 93 @49569 has 112 MA's), (112, 49605), (185, 49764), (204, 49803), (211, 49818), (218, 49839),

Gene: Amao_68 Start: 44913, Stop: 45326, Start Num: 82
Candidate Starts for Amao_68:
(25, 44739), (Start: 82 @44913 has 139 MA's), (150, 45054), (166, 45096), (203, 45204), (218, 45243), (230, 45300),

Gene: Amao_73 Start: 47195, Stop: 47566, Start Num: 92
Candidate Starts for Amao_73:
(Start: 88 @47189 has 105 MA's), (Start: 92 @47195 has 45 MA's), (130, 47267), (150, 47327), (217, 47498),

Gene: AmericanBeauty_84 Start: 50318, Stop: 50653, Start Num: 93
Candidate Starts for AmericanBeauty_84:
(18, 50066), (Start: 86 @50303 has 28 MA's), (Start: 93 @50318 has 112 MA's), (112, 50354), (225, 50633),

Gene: AmericanBeauty_72 Start: 45671, Stop: 46081, Start Num: 82
Candidate Starts for AmericanBeauty_72:
(25, 45497), (Start: 82 @45671 has 139 MA's), (150, 45812), (168, 45860), (184, 45908), (218, 46001), (225, 46043),

Gene: AmericanBeauty_77 Start: 47938, Stop: 48315, Start Num: 88
Candidate Starts for AmericanBeauty_77:
(Start: 88 @47938 has 105 MA's), (Start: 92 @47944 has 45 MA's), (130, 48016), (150, 48076), (217, 48247),

Gene: Appletree2_42 Start: 33952, Stop: 34368, Start Num: 48
Candidate Starts for Appletree2_42:
(Start: 42 @33931 has 3 MA's), (Start: 48 @33952 has 43 MA's), (76, 34018), (Start: 88 @34039 has 105 MA's), (102, 34057), (124, 34096), (131, 34108), (154, 34165), (186, 34225), (227, 34345),

Gene: Archie_45 Start: 35560, Stop: 35976, Start Num: 48
Candidate Starts for Archie_45:
(Start: 44 @35551 has 10 MA's), (Start: 48 @35560 has 43 MA's), (Start: 88 @35647 has 105 MA's), (102, 35665), (120, 35692), (121, 35695), (154, 35770), (158, 35782), (193, 35842), (213, 35890), (227, 35953),

Gene: Argent26_72 Start: 45309, Stop: 45719, Start Num: 82
Candidate Starts for Argent26_72:
(25, 45135), (Start: 82 @45309 has 139 MA's), (150, 45450), (168, 45498), (184, 45546), (218, 45639), (225, 45681),

Gene: Argent26_77 Start: 47576, Stop: 47953, Start Num: 88
Candidate Starts for Argent26_77:
(Start: 88 @47576 has 105 MA's), (Start: 92 @47582 has 45 MA's), (130, 47654), (150, 47714), (217, 47885),

Gene: Argent26_84 Start: 49956, Stop: 50291, Start Num: 93
Candidate Starts for Argent26_84:
(18, 49704), (Start: 86 @49941 has 28 MA's), (Start: 93 @49956 has 112 MA's), (112, 49992), (225, 50271),

Gene: Ariel_113 Start: 61833, Stop: 62153, Start Num: 81
Candidate Starts for Ariel_113:
(Start: 81 @61833 has 31 MA's), (102, 61872), (154, 61971), (173, 62028), (185, 62064), (196, 62094), (214, 62139),

Gene: Ariel_133 Start: 69964, Stop: 70317, Start Num: 84
Candidate Starts for Ariel_133:
(Start: 84 @69964 has 37 MA's), (Start: 88 @69973 has 105 MA's), (215, 70243),

Gene: Asriel_67 Start: 43865, Stop: 44275, Start Num: 82
Candidate Starts for Asriel_67:
(25, 43691), (Start: 82 @43865 has 139 MA's), (132, 43961), (150, 44006), (168, 44054), (184, 44102), (218, 44195), (225, 44237),

Gene: Asriel_72 Start: 46132, Stop: 46509, Start Num: 88
Candidate Starts for Asriel_72:
(Start: 88 @46132 has 105 MA's), (Start: 92 @46138 has 45 MA's), (130, 46210), (150, 46270), (217, 46441),

Gene: Asriel_79 Start: 48512, Stop: 48844, Start Num: 93
Candidate Starts for Asriel_79:

(18, 48260), (Start: 86 @48497 has 28 MA's), (Start: 93 @48512 has 112 MA's), (112, 48548), (225, 48824),

Gene: AvGardian_52 Start: 34737, Stop: 35147, Start Num: 59
Candidate Starts for AvGardian_52:
(Start: 59 @34737 has 40 MA's), (Start: 82 @34788 has 139 MA's), (136, 34878), (137, 34881), (156, 34935), (170, 34965), (203, 35037),

Gene: AvadaKedavra_43 Start: 34034, Stop: 34450, Start Num: 48
Candidate Starts for AvadaKedavra_43:
(Start: 42 @34013 has 3 MA's), (Start: 48 @34034 has 43 MA's), (69, 34088), (76, 34100), (Start: 88 @34121 has 105 MA's), (102, 34139), (124, 34178), (131, 34190), (154, 34247), (186, 34307), (227, 34427),

Gene: BAKA_134 Start: 72670, Stop: 73020, Start Num: 88
Candidate Starts for BAKA_134:
(67, 72634), (Start: 84 @72661 has 37 MA's), (Start: 88 @72670 has 105 MA's), (154, 72802), (159, 72817), (215, 72946), (217, 72952),

Gene: BaboJay_65 Start: 44702, Stop: 45112, Start Num: 82
Candidate Starts for BaboJay_65:
(25, 44528), (Start: 82 @44702 has 139 MA's), (150, 44843), (168, 44891), (184, 44939), (218, 45032), (225, 45074),

Gene: BaboJay_70 Start: 46969, Stop: 47346, Start Num: 88
Candidate Starts for BaboJay_70:
(Start: 88 @46969 has 105 MA's), (Start: 92 @46975 has 45 MA's), (130, 47047), (150, 47107), (217, 47278),

Gene: BaboJay_77 Start: 49349, Stop: 49684, Start Num: 93
Candidate Starts for BaboJay_77:
(18, 49097), (Start: 86 @49334 has 28 MA's), (Start: 93 @49349 has 112 MA's), (112, 49385), (225, 49664),

Gene: BabyYoda_51 Start: 35131, Stop: 35568, Start Num: 59
Candidate Starts for BabyYoda_51:
(Start: 59 @35131 has 40 MA's), (79, 35179), (136, 35278), (137, 35281), (150, 35317), (175, 35380), (178, 35392), (195, 35431),

Gene: Bachaco_49 Start: 35861, Stop: 36301, Start Num: 59
Candidate Starts for Bachaco_49:
(Start: 59 @35861 has 40 MA's), (150, 36050), (209, 36200),

Gene: BadStone_65 Start: 45074, Stop: 45484, Start Num: 82
Candidate Starts for BadStone_65:
(Start: 82 @45074 has 139 MA's), (150, 45215), (168, 45263), (184, 45311), (218, 45404), (225, 45446),

Gene: BadStone_70 Start: 47338, Stop: 47715, Start Num: 88
Candidate Starts for BadStone_70:
(Start: 88 @47338 has 105 MA's), (Start: 92 @47344 has 45 MA's), (130, 47416), (150, 47476), (217, 47647),

Gene: BadStone_77 Start: 49718, Stop: 50053, Start Num: 93
Candidate Starts for BadStone_77:
(18, 49466), (Start: 86 @49703 has 28 MA's), (Start: 93 @49718 has 112 MA's), (112, 49754), (225, 50033),

Gene: Bagrid_119 Start: 66108, Stop: 66428, Start Num: 81
Candidate Starts for Bagrid_119:
(Start: 81 @66108 has 31 MA's), (102, 66147), (173, 66303), (185, 66339), (196, 66369), (214, 66414),

Gene: Bagrid_135 Start: 72784, Stop: 73143, Start Num: 84
Candidate Starts for Bagrid_135:
(67, 72757), (Start: 84 @72784 has 37 MA's), (Start: 88 @72793 has 105 MA's), (154, 72925), (159, 72940), (215, 73069), (217, 73075),

Gene: Balomoji_73 Start: 47905, Stop: 48276, Start Num: 92
Candidate Starts for Balomoji_73:
(Start: 88 @47899 has 105 MA's), (Start: 92 @47905 has 45 MA's), (130, 47977), (150, 48037), (217, 48208),

Gene: Balomoji_80 Start: 50279, Stop: 50614, Start Num: 93
Candidate Starts for Balomoji_80:
(18, 50027), (Start: 86 @50264 has 28 MA's), (Start: 93 @50279 has 112 MA's), (112, 50315), (225, 50594),

Gene: Balomoji_68 Start: 45635, Stop: 46045, Start Num: 82
Candidate Starts for Balomoji_68:
(Start: 82 @45635 has 139 MA's), (150, 45776), (168, 45824), (184, 45872), (218, 45965), (225, 46007),

Gene: Baoshan_44 Start: 35217, Stop: 35633, Start Num: 48
Candidate Starts for Baoshan_44:
(Start: 44 @35208 has 10 MA's), (Start: 48 @35217 has 43 MA's), (Start: 88 @35304 has 105 MA's), (102, 35322), (120, 35349), (121, 35352), (154, 35430), (213, 35547), (227, 35610),

Gene: Barbarian_67 Start: 43865, Stop: 44275, Start Num: 82
Candidate Starts for Barbarian_67:
(25, 43691), (Start: 82 @43865 has 139 MA's), (132, 43961), (150, 44006), (168, 44054), (184, 44102), (218, 44195), (225, 44237),

Gene: Barbarian_72 Start: 46132, Stop: 46509, Start Num: 88
Candidate Starts for Barbarian_72:
(Start: 88 @46132 has 105 MA's), (Start: 92 @46138 has 45 MA's), (130, 46210), (150, 46270), (217, 46441),

Gene: Barbarian_79 Start: 48512, Stop: 48844, Start Num: 93
Candidate Starts for Barbarian_79:
(18, 48260), (Start: 86 @48497 has 28 MA's), (Start: 93 @48512 has 112 MA's), (112, 48548), (225, 48824),

Gene: Bask21_80 Start: 49132, Stop: 49467, Start Num: 93
Candidate Starts for Bask21_80:
(18, 48880), (Start: 86 @49117 has 28 MA's), (Start: 93 @49132 has 112 MA's), (112, 49168), (136, 49222), (197, 49348), (211, 49384), (212, 49387), (218, 49405), (225, 49447),

Gene: Bask21_68 Start: 44476, Stop: 44889, Start Num: 82
Candidate Starts for Bask21_68:
(25, 44302), (Start: 82 @44476 has 139 MA's), (150, 44617), (166, 44659), (203, 44767), (218, 44806), (233, 44869),

Gene: Bask21_73 Start: 46758, Stop: 47129, Start Num: 92
Candidate Starts for Bask21_73:
(Start: 88 @46752 has 105 MA's), (Start: 92 @46758 has 45 MA's), (130, 46830), (150, 46890), (187, 46989), (217, 47061),

Gene: Baudelaire_65 Start: 44400, Stop: 44765, Start Num: 85
Candidate Starts for Baudelaire_65:
(Start: 85 @44400 has 3 MA's), (97, 44430), (136, 44502), (138, 44508), (190, 44622), (210, 44664), (237, 44751),

Gene: Bazzle_45 Start: 35592, Stop: 36008, Start Num: 48
Candidate Starts for Bazzle_45:
(Start: 44 @35583 has 10 MA's), (Start: 48 @35592 has 43 MA's), (Start: 88 @35679 has 105 MA's), (102, 35697), (120, 35724), (121, 35727), (154, 35802), (158, 35814), (193, 35874), (213, 35922), (227, 35985),

Gene: Becksu_72 Start: 47977, Stop: 48345, Start Num: 92
Candidate Starts for Becksu_72:
(Start: 88 @47971 has 105 MA's), (Start: 92 @47977 has 45 MA's), (130, 48049), (150, 48109), (217, 48277),

Gene: Becksu_79 Start: 50348, Stop: 50683, Start Num: 93
Candidate Starts for Becksu_79:
(18, 50096), (Start: 86 @50333 has 28 MA's), (Start: 93 @50348 has 112 MA's), (112, 50384), (225, 50663),

Gene: Becksu_67 Start: 45704, Stop: 46117, Start Num: 82
Candidate Starts for Becksu_67:
(25, 45530), (Start: 82 @45704 has 139 MA's), (150, 45845), (168, 45893), (184, 45941), (218, 46034), (233, 46097),

Gene: Beem_120 Start: 67476, Stop: 67796, Start Num: 81
Candidate Starts for Beem_120:
(Start: 81 @67476 has 31 MA's), (102, 67515), (154, 67614), (173, 67671), (185, 67707), (196, 67737), (214, 67782),

Gene: Beem_136 Start: 74259, Stop: 74618, Start Num: 84
Candidate Starts for Beem_136:
(67, 74232), (Start: 84 @74259 has 37 MA's), (Start: 88 @74268 has 105 MA's), (154, 74400), (159, 74415),

Gene: Bellis_42 Start: 35732, Stop: 36055, Start Num: 88
Candidate Starts for Bellis_42:
(Start: 42 @35627 has 3 MA's), (Start: 44 @35639 has 10 MA's), (Start: 48 @35648 has 43 MA's), (Start: 88 @35732 has 105 MA's), (102, 35750), (Start: 114 @35768 has 1 MA's), (120, 35777), (174, 35894), (227, 36032),

Gene: Bench_83 Start: 49816, Stop: 50148, Start Num: 93
Candidate Starts for Bench_83:
(6, 49246), (9, 49363), (18, 49564), (Start: 86 @49801 has 28 MA's), (Start: 93 @49816 has 112 MA's), (112, 49852), (225, 50128),

Gene: Bench_76 Start: 47439, Stop: 47813, Start Num: 88
Candidate Starts for Bench_76:
(Start: 88 @47439 has 105 MA's), (Start: 92 @47445 has 45 MA's), (130, 47517), (150, 47577), (217, 47745),

Gene: Bench_71 Start: 45175, Stop: 45585, Start Num: 82
Candidate Starts for Bench_71:
(25, 45001), (Start: 82 @45175 has 139 MA's), (150, 45316), (168, 45364), (184, 45412), (218, 45505), (225, 45547),

Gene: Big4_12 Start: 5535, Stop: 6011, Start Num: 59
Candidate Starts for Big4_12:
(Start: 59 @5535 has 40 MA's), (116, 5646), (126, 5664), (151, 5733), (157, 5751), (158, 5754), (191, 5847), (215, 5907),

Gene: Big4_338 Start: 180229, Stop: 180705, Start Num: 59
Candidate Starts for Big4_338:
(Start: 59 @180229 has 40 MA's), (116, 180340), (126, 180358), (151, 180427), (157, 180445), (158, 180448), (191, 180541), (215, 180601),

Gene: BigBubba_68 Start: 44884, Stop: 45294, Start Num: 82
Candidate Starts for BigBubba_68:
(Start: 82 @44884 has 139 MA's), (150, 45025), (168, 45073), (184, 45121), (218, 45214), (225, 45256),

Gene: BigBubba_73 Start: 47151, Stop: 47525, Start Num: 88
Candidate Starts for BigBubba_73:
(Start: 88 @47151 has 105 MA's), (Start: 92 @47157 has 45 MA's), (130, 47229), (150, 47289), (187, 47385), (217, 47457),

Gene: BigBubba_80 Start: 49528, Stop: 49860, Start Num: 93
Candidate Starts for BigBubba_80:
(18, 49276), (Start: 86 @49513 has 28 MA's), (Start: 93 @49528 has 112 MA's), (112, 49564), (225, 49840),

Gene: BigCheese_45 Start: 35356, Stop: 35772, Start Num: 48
Candidate Starts for BigCheese_45:
(Start: 44 @35347 has 10 MA's), (Start: 48 @35356 has 43 MA's), (Start: 88 @35443 has 105 MA's), (102, 35461), (120, 35488), (121, 35491), (154, 35566), (158, 35578), (213, 35686), (227, 35749),

Gene: BilboSwaggins_66 Start: 45513, Stop: 45923, Start Num: 82
Candidate Starts for BilboSwaggins_66:
(25, 45339), (Start: 82 @45513 has 139 MA's), (132, 45609), (150, 45654), (168, 45702), (184, 45750), (218, 45843), (225, 45885),

Gene: BilboSwaggins_78 Start: 50157, Stop: 50489, Start Num: 93
Candidate Starts for BilboSwaggins_78:

(18, 49905), (Start: 86 @50142 has 28 MA's), (Start: 93 @50157 has 112 MA's), (112, 50193), (225, 50469),

Gene: BilboSwaggins_71 Start: 47777, Stop: 48154, Start Num: 88
Candidate Starts for BilboSwaggins_71:
(Start: 88 @47777 has 105 MA's), (Start: 92 @47783 has 45 MA's), (130, 47855), (150, 47915), (217, 48086),

Gene: Bobby_126 Start: 74360, Stop: 74719, Start Num: 84
Candidate Starts for Bobby_126:
(67, 74333), (Start: 84 @74360 has 37 MA's), (Start: 88 @74369 has 105 MA's), (154, 74501), (159, 74516),

Gene: BobsGarage_45 Start: 35443, Stop: 35772, Start Num: 88
Candidate Starts for BobsGarage_45:
(Start: 44 @35347 has 10 MA's), (Start: 48 @35356 has 43 MA's), (Start: 88 @35443 has 105 MA's), (102, 35461), (120, 35488), (121, 35491), (154, 35566), (158, 35578), (213, 35686), (227, 35749),

Gene: Bogg_73 Start: 46724, Stop: 47092, Start Num: 92
Candidate Starts for Bogg_73:
(Start: 88 @46718 has 105 MA's), (Start: 92 @46724 has 45 MA's), (130, 46796), (150, 46856), (217, 47024),

Gene: Bogg_68 Start: 44454, Stop: 44864, Start Num: 82
Candidate Starts for Bogg_68:
(Start: 82 @44454 has 139 MA's), (150, 44595), (168, 44643), (184, 44691), (218, 44784), (225, 44826),

Gene: Bogg_80 Start: 49080, Stop: 49427, Start Num: 86
Candidate Starts for Bogg_80:
(18, 48843), (Start: 86 @49080 has 28 MA's), (Start: 93 @49095 has 112 MA's), (112, 49131), (225, 49407),

Gene: Bombitas_106 Start: 63398, Stop: 63718, Start Num: 81
Candidate Starts for Bombitas_106:
(Start: 81 @63398 has 31 MA's), (102, 63437), (154, 63536), (173, 63593), (185, 63629), (196, 63659), (214, 63704),

Gene: Bombitas_122 Start: 71670, Stop: 72029, Start Num: 84
Candidate Starts for Bombitas_122:
(67, 71643), (Start: 84 @71670 has 37 MA's), (Start: 88 @71679 has 105 MA's), (154, 71811), (159, 71826),

Gene: BourbonZero_41 Start: 35717, Stop: 36040, Start Num: 88
Candidate Starts for BourbonZero_41:
(Start: 42 @35609 has 3 MA's), (Start: 44 @35621 has 10 MA's), (Start: 48 @35630 has 43 MA's), (49, 35633), (Start: 88 @35717 has 105 MA's), (102, 35735), (Start: 114 @35753 has 1 MA's), (120, 35762), (174, 35879), (227, 36017),

Gene: BrainDrainer_43 Start: 34388, Stop: 34699, Start Num: 102
Candidate Starts for BrainDrainer_43:
(Start: 42 @34265 has 3 MA's), (Start: 44 @34277 has 10 MA's), (Start: 47 @34280 has 5 MA's), (Start: 88 @34370 has 105 MA's), (102, 34388), (120, 34415), (121, 34418), (154, 34493), (158,

34505), (213, 34613), (227, 34676), (232, 34691),

Gene: Breezona_45 Start: 35347, Stop: 35772, Start Num: 44
Candidate Starts for Breezona_45:
(Start: 44 @35347 has 10 MA's), (Start: 48 @35356 has 43 MA's), (Start: 88 @35443 has 105 MA's), (102, 35461), (120, 35488), (121, 35491), (154, 35566), (158, 35578), (213, 35686), (227, 35749),

Gene: Brewer_64 Start: 43971, Stop: 44381, Start Num: 82
Candidate Starts for Brewer_64:
(25, 43797), (Start: 82 @43971 has 139 MA's), (150, 44112), (168, 44160), (184, 44208), (218, 44301), (225, 44343),

Gene: Brewer_76 Start: 48618, Stop: 48950, Start Num: 93
Candidate Starts for Brewer_76:
(18, 48366), (Start: 86 @48603 has 28 MA's), (Start: 93 @48618 has 112 MA's), (112, 48654), (225, 48930),

Gene: Brewer_69 Start: 46238, Stop: 46615, Start Num: 88
Candidate Starts for Brewer_69:
(Start: 88 @46238 has 105 MA's), (Start: 92 @46244 has 45 MA's), (130, 46316), (150, 46376), (217, 46547),

Gene: Bromden_45 Start: 35106, Stop: 35519, Start Num: 47
Candidate Starts for Bromden_45:
(Start: 42 @35091 has 3 MA's), (Start: 44 @35103 has 10 MA's), (Start: 47 @35106 has 5 MA's), (Start: 48 @35112 has 43 MA's), (Start: 88 @35196 has 105 MA's), (102, 35214), (117, 35238), (120, 35241), (154, 35322), (227, 35496),

Gene: BronnyJames_131 Start: 71229, Stop: 71582, Start Num: 84
Candidate Starts for BronnyJames_131:
(Start: 84 @71229 has 37 MA's), (Start: 88 @71238 has 105 MA's), (154, 71364), (215, 71508),

Gene: BronnyJames_111 Start: 62319, Stop: 62642, Start Num: 81
Candidate Starts for BronnyJames_111:
(Start: 81 @62319 has 31 MA's), (102, 62358), (139, 62424), (149, 62445), (150, 62448), (159, 62475), (214, 62628),

Gene: Bruin_65 Start: 44048, Stop: 44461, Start Num: 82
Candidate Starts for Bruin_65:
(25, 43874), (Start: 82 @44048 has 139 MA's), (150, 44189), (168, 44237), (184, 44285), (218, 44378), (233, 44441),

Gene: Bruin_77 Start: 48677, Stop: 49027, Start Num: 86
Candidate Starts for Bruin_77:
(18, 48440), (Start: 86 @48677 has 28 MA's), (Start: 93 @48692 has 112 MA's), (112, 48728), (225, 49007),

Gene: Bruin_70 Start: 46315, Stop: 46689, Start Num: 88
Candidate Starts for Bruin_70:
(Start: 88 @46315 has 105 MA's), (Start: 92 @46321 has 45 MA's), (130, 46393), (150, 46453), (217, 46621),

Gene: BrutonGaster_97 Start: 63227, Stop: 63556, Start Num: 114

Candidate Starts for BrutonGaster_97:
(Start: 114 @63227 has 1 MA's), (142, 63293), (213, 63464), (236, 63551),

Gene: Buck_74 Start: 48026, Stop: 48394, Start Num: 88
Candidate Starts for Buck_74:
(Start: 88 @48026 has 105 MA's), (Start: 92 @48032 has 45 MA's), (130, 48104), (217, 48326),

Gene: Buck_69 Start: 45756, Stop: 46169, Start Num: 82
Candidate Starts for Buck_69:
(25, 45582), (Start: 82 @45756 has 139 MA's), (150, 45897), (166, 45939), (203, 46047), (218, 46086), (233, 46149),

Gene: Buck_81 Start: 50397, Stop: 50732, Start Num: 93
Candidate Starts for Buck_81:
(18, 50145), (Start: 86 @50382 has 28 MA's), (Start: 93 @50397 has 112 MA's), (112, 50433), (225, 50712),

Gene: Budgie_86 Start: 50187, Stop: 50519, Start Num: 93
Candidate Starts for Budgie_86:
(9, 49734), (18, 49935), (Start: 86 @50172 has 28 MA's), (Start: 93 @50187 has 112 MA's), (112, 50223), (185, 50382), (204, 50421), (211, 50436), (218, 50457), (220, 50466),

Gene: Budgie_74 Start: 45693, Stop: 46109, Start Num: 82
Candidate Starts for Budgie_74:
(25, 45519), (Start: 82 @45693 has 139 MA's), (150, 45834), (154, 45846), (166, 45876), (218, 46026), (227, 46074), (230, 46083),

Gene: Budgie_79 Start: 47813, Stop: 48184, Start Num: 92
Candidate Starts for Budgie_79:
(34, 47672), (Start: 88 @47807 has 105 MA's), (Start: 92 @47813 has 45 MA's), (103, 47840), (130, 47885), (150, 47945), (187, 48044), (217, 48116),

Gene: BugsBunny_80 Start: 50209, Stop: 50556, Start Num: 86
Candidate Starts for BugsBunny_80:
(18, 49972), (Start: 86 @50209 has 28 MA's), (Start: 93 @50224 has 112 MA's), (112, 50260), (225, 50536),

Gene: BugsBunny_73 Start: 47853, Stop: 48221, Start Num: 92
Candidate Starts for BugsBunny_73:
(Start: 88 @47847 has 105 MA's), (Start: 92 @47853 has 45 MA's), (130, 47925), (150, 47985), (217, 48153),

Gene: BugsBunny_68 Start: 45583, Stop: 45993, Start Num: 82
Candidate Starts for BugsBunny_68:
(Start: 82 @45583 has 139 MA's), (150, 45724), (168, 45772), (184, 45820), (218, 45913), (225, 45955),

Gene: Button_63 Start: 43199, Stop: 43654, Start Num: 54
Candidate Starts for Button_63:
(Start: 54 @43199 has 2 MA's), (Start: 82 @43241 has 139 MA's), (89, 43253), (105, 43289), (115, 43304), (133, 43346), (139, 43364), (159, 43421), (161, 43427), (189, 43484), (212, 43547), (219, 43571), (222, 43589),

Gene: CN1A_12 Start: 5964, Stop: 6377, Start Num: 103
Candidate Starts for CN1A_12:
(17, 5682), (31, 5778), (103, 5964), (Start: 114 @5988 has 1 MA's), (126, 6012), (135, 6036), (158, 6102), (162, 6111), (171, 6129), (180, 6159), (183, 6168), (241, 6363), (242, 6366),

Gene: Cactus_83 Start: 49173, Stop: 49508, Start Num: 93
Candidate Starts for Cactus_83:
(18, 48921), (Start: 86 @49158 has 28 MA's), (Start: 93 @49173 has 112 MA's), (112, 49209), (225, 49488),

Gene: Cactus_76 Start: 46793, Stop: 47170, Start Num: 88
Candidate Starts for Cactus_76:
(Start: 88 @46793 has 105 MA's), (Start: 92 @46799 has 45 MA's), (130, 46871), (150, 46931), (217, 47102),

Gene: Cactus_71 Start: 44529, Stop: 44939, Start Num: 82
Candidate Starts for Cactus_71:
(Start: 82 @44529 has 139 MA's), (150, 44670), (168, 44718), (184, 44766), (218, 44859), (225, 44901),

Gene: Calm_43 Start: 34040, Stop: 34456, Start Num: 48
Candidate Starts for Calm_43:
(Start: 42 @34019 has 3 MA's), (Start: 48 @34040 has 43 MA's), (76, 34106), (Start: 88 @34127 has 105 MA's), (102, 34145), (124, 34184), (131, 34196), (154, 34253), (186, 34313), (227, 34433),

Gene: Casablancas_107 Start: 55664, Stop: 55227, Start Num: 59
Candidate Starts for Casablancas_107:
(Start: 59 @55664 has 40 MA's), (Start: 66 @55640 has 3 MA's), (77, 55619), (132, 55523), (136, 55511), (137, 55508), (152, 55466), (164, 55436), (175, 55403),

Gene: Cece_15 Start: 5418, Stop: 5840, Start Num: 51
Candidate Starts for Cece_15:
(Start: 51 @5418 has 2 MA's), (Start: 71 @5472 has 1 MA's), (77, 5484), (117, 5544), (146, 5607), (208, 5742),

Gene: Cece_317 Start: 173852, Stop: 174274, Start Num: 51
Candidate Starts for Cece_317:
(Start: 51 @173852 has 2 MA's), (Start: 71 @173906 has 1 MA's), (77, 173918), (117, 173978), (146, 174041), (208, 174176),

Gene: Celaena_49 Start: 35623, Stop: 36063, Start Num: 59
Candidate Starts for Celaena_49:
(Start: 59 @35623 has 40 MA's), (150, 35812), (209, 35962),

Gene: Chaser_42 Start: 34097, Stop: 34510, Start Num: 47
Candidate Starts for Chaser_42:
(Start: 42 @34082 has 3 MA's), (Start: 44 @34094 has 10 MA's), (Start: 47 @34097 has 5 MA's), (Start: 88 @34187 has 105 MA's), (102, 34205), (120, 34232), (121, 34235), (154, 34313), (193, 34376), (218, 34439), (227, 34487),

Gene: ChengKai98_45 Start: 35444, Stop: 35773, Start Num: 88
Candidate Starts for ChengKai98_45:

(Start: 44 @35348 has 10 MA's), (Start: 48 @35357 has 43 MA's), (Start: 88 @35444 has 105 MA's), (102, 35462), (120, 35489), (121, 35492), (154, 35567), (158, 35579), (213, 35687), (227, 35750),

Gene: ChiliPepper_48 Start: 34921, Stop: 35364, Start Num: 59
Candidate Starts for ChiliPepper_48:
(Start: 59 @34921 has 40 MA's), (150, 35110), (176, 35182), (224, 35320),

Gene: ChosenOne_68 Start: 44532, Stop: 44942, Start Num: 82
Candidate Starts for ChosenOne_68:
(Start: 82 @44532 has 139 MA's), (150, 44673), (168, 44721), (184, 44769), (218, 44862), (225, 44904),

Gene: ChosenOne_80 Start: 49173, Stop: 49508, Start Num: 93
Candidate Starts for ChosenOne_80:
(18, 48921), (Start: 86 @49158 has 28 MA's), (Start: 93 @49173 has 112 MA's), (112, 49209), (225, 49488),

Gene: ChosenOne_73 Start: 46796, Stop: 47170, Start Num: 88
Candidate Starts for ChosenOne_73:
(Start: 88 @46796 has 105 MA's), (Start: 92 @46802 has 45 MA's), (130, 46874), (150, 46934), (217, 47102),

Gene: ChotaBhai_73 Start: 47117, Stop: 47494, Start Num: 88
Candidate Starts for ChotaBhai_73:
(Start: 88 @47117 has 105 MA's), (Start: 92 @47123 has 45 MA's), (130, 47195), (150, 47255), (187, 47354), (217, 47426),

Gene: ChotaBhai_80 Start: 49497, Stop: 49832, Start Num: 93
Candidate Starts for ChotaBhai_80:
(18, 49245), (Start: 86 @49482 has 28 MA's), (Start: 93 @49497 has 112 MA's), (112, 49533), (136, 49587), (197, 49713), (211, 49749), (212, 49752), (218, 49770), (225, 49812),

Gene: ChotaBhai_68 Start: 44844, Stop: 45257, Start Num: 82
Candidate Starts for ChotaBhai_68:
(25, 44670), (Start: 82 @44844 has 139 MA's), (150, 44985), (166, 45027), (203, 45135), (218, 45174), (230, 45231),

Gene: ChutneyChips_43 Start: 34367, Stop: 34690, Start Num: 88
Candidate Starts for ChutneyChips_43:
(Start: 42 @34262 has 3 MA's), (Start: 44 @34274 has 10 MA's), (Start: 47 @34277 has 5 MA's), (Start: 88 @34367 has 105 MA's), (102, 34385), (120, 34412), (121, 34415), (154, 34493), (193, 34556), (218, 34619), (227, 34667),

Gene: CicholasNage_43 Start: 34148, Stop: 34477, Start Num: 88
Candidate Starts for CicholasNage_43:
(Start: 42 @34040 has 3 MA's), (Start: 48 @34061 has 43 MA's), (76, 34127), (Start: 88 @34148 has 105 MA's), (102, 34166), (124, 34205), (131, 34217), (154, 34274), (186, 34334), (227, 34454),

Gene: Cjw1_80 Start: 50855, Stop: 51202, Start Num: 86
Candidate Starts for Cjw1_80:
(18, 50618), (Start: 86 @50855 has 28 MA's), (Start: 93 @50870 has 112 MA's), (112, 50906), (225, 51182),

Gene: Cjw1_73 Start: 48499, Stop: 48867, Start Num: 92
Candidate Starts for Cjw1_73:
(Start: 88 @48493 has 105 MA's), (Start: 92 @48499 has 45 MA's), (130, 48571), (150, 48631), (217, 48799),

Gene: Cjw1_68 Start: 46229, Stop: 46639, Start Num: 82
Candidate Starts for Cjw1_68:
(Start: 82 @46229 has 139 MA's), (150, 46370), (168, 46418), (184, 46466), (218, 46559), (225, 46601),

Gene: Claus_45 Start: 35375, Stop: 35791, Start Num: 48
Candidate Starts for Claus_45:
(Start: 44 @35366 has 10 MA's), (Start: 48 @35375 has 43 MA's), (Start: 88 @35462 has 105 MA's), (102, 35480), (120, 35507), (121, 35510), (154, 35588), (213, 35705), (227, 35768),

Gene: Clautastrophe_42 Start: 35625, Stop: 36053, Start Num: 42
Candidate Starts for Clautastrophe_42:
(Start: 42 @35625 has 3 MA's), (Start: 44 @35637 has 10 MA's), (Start: 48 @35646 has 43 MA's), (Start: 88 @35730 has 105 MA's), (102, 35748), (Start: 114 @35766 has 1 MA's), (120, 35775), (174, 35892), (227, 36030),

Gene: Colossa_134 Start: 73240, Stop: 72845, Start Num: 63
Candidate Starts for Colossa_134:
(Start: 63 @73240 has 2 MA's), (99, 73177), (198, 72985),

Gene: Command613_75 Start: 47838, Stop: 48209, Start Num: 92
Candidate Starts for Command613_75:
(Start: 88 @47832 has 105 MA's), (Start: 92 @47838 has 45 MA's), (130, 47910), (150, 47970), (217, 48141),

Gene: Command613_82 Start: 50197, Stop: 50547, Start Num: 86
Candidate Starts for Command613_82:
(18, 49960), (Start: 86 @50197 has 28 MA's), (Start: 93 @50212 has 112 MA's), (112, 50248), (225, 50527),

Gene: Command613_70 Start: 45568, Stop: 45978, Start Num: 82
Candidate Starts for Command613_70:
(25, 45394), (Start: 82 @45568 has 139 MA's), (150, 45709), (168, 45757), (184, 45805), (218, 45898), (225, 45940),

Gene: Constella_101 Start: 60252, Stop: 60566, Start Num: 81
Candidate Starts for Constella_101:
(Start: 81 @60252 has 31 MA's), (102, 60291), (119, 60318), (173, 60441), (214, 60552),

Gene: Constella_128 Start: 72912, Stop: 73271, Start Num: 84
Candidate Starts for Constella_128:
(67, 72885), (Start: 84 @72912 has 37 MA's), (Start: 88 @72921 has 105 MA's), (154, 73053), (159, 73068), (215, 73197), (217, 73203),

Gene: Contagion_69 Start: 46596, Stop: 46970, Start Num: 88
Candidate Starts for Contagion_69:
(Start: 88 @46596 has 105 MA's), (Start: 92 @46602 has 45 MA's), (130, 46674), (150, 46734), (217, 46902),

Gene: Contagion_64 Start: 44329, Stop: 44742, Start Num: 82
Candidate Starts for Contagion_64:
(25, 44155), (Start: 82 @44329 has 139 MA's), (150, 44470), (168, 44518), (184, 44566), (218, 44659), (233, 44722),

Gene: Contagion_76 Start: 48973, Stop: 49308, Start Num: 93
Candidate Starts for Contagion_76:
(18, 48721), (Start: 86 @48958 has 28 MA's), (Start: 93 @48973 has 112 MA's), (112, 49009), (225, 49288),

Gene: Cookies_77 Start: 49354, Stop: 49689, Start Num: 93
Candidate Starts for Cookies_77:
(18, 49102), (Start: 86 @49339 has 28 MA's), (Start: 93 @49354 has 112 MA's), (112, 49390), (136, 49444), (197, 49570), (211, 49606), (212, 49609), (218, 49627), (225, 49669),

Gene: Cookies_70 Start: 46974, Stop: 47351, Start Num: 88
Candidate Starts for Cookies_70:
(Start: 88 @46974 has 105 MA's), (Start: 92 @46980 has 45 MA's), (130, 47052), (150, 47112), (187, 47211), (217, 47283),

Gene: Cookies_65 Start: 44698, Stop: 45111, Start Num: 82
Candidate Starts for Cookies_65:
(25, 44524), (Start: 82 @44698 has 139 MA's), (150, 44839), (166, 44881), (203, 44989), (218, 45028),

Gene: Courthouse_108 Start: 61433, Stop: 61753, Start Num: 81
Candidate Starts for Courthouse_108:
(Start: 81 @61433 has 31 MA's), (102, 61472), (154, 61571), (173, 61628), (185, 61664), (196, 61694), (214, 61739),

Gene: Courthouse_129 Start: 69822, Stop: 70175, Start Num: 84
Candidate Starts for Courthouse_129:
(Start: 84 @69822 has 37 MA's), (Start: 88 @69831 has 105 MA's), (215, 70101),

Gene: Crossroads_45 Start: 35358, Stop: 35774, Start Num: 48
Candidate Starts for Crossroads_45:
(Start: 44 @35349 has 10 MA's), (Start: 48 @35358 has 43 MA's), (Start: 88 @35445 has 105 MA's), (102, 35463), (120, 35490), (121, 35493), (154, 35568), (158, 35580), (213, 35688), (227, 35751),

Gene: CrystalP_67 Start: 45513, Stop: 45923, Start Num: 82
Candidate Starts for CrystalP_67:
(25, 45339), (Start: 82 @45513 has 139 MA's), (132, 45609), (150, 45654), (168, 45702), (184, 45750), (218, 45843), (225, 45885),

Gene: CrystalP_72 Start: 47783, Stop: 48154, Start Num: 92
Candidate Starts for CrystalP_72:
(Start: 88 @47777 has 105 MA's), (Start: 92 @47783 has 45 MA's), (130, 47855), (150, 47915), (217, 48086),

Gene: CrystalP_79 Start: 50157, Stop: 50489, Start Num: 93
Candidate Starts for CrystalP_79:
(18, 49905), (Start: 86 @50142 has 28 MA's), (Start: 93 @50157 has 112 MA's), (112, 50193), (225, 50469),

Gene: Czyszczon1_69 Start: 45038, Stop: 45448, Start Num: 82
Candidate Starts for Czyszczon1_69:
(Start: 82 @45038 has 139 MA's), (150, 45179), (168, 45227), (184, 45275), (218, 45368), (225, 45410),

Gene: Czyszczon1_81 Start: 49679, Stop: 50011, Start Num: 93
Candidate Starts for Czyszczon1_81:
(18, 49427), (Start: 86 @49664 has 28 MA's), (Start: 93 @49679 has 112 MA's), (112, 49715), (225, 49991),

Gene: Czyszczon1_74 Start: 47302, Stop: 47676, Start Num: 88
Candidate Starts for Czyszczon1_74:
(Start: 88 @47302 has 105 MA's), (Start: 92 @47308 has 45 MA's), (130, 47380), (150, 47440), (217, 47608),

Gene: DHan_46 Start: 35403, Stop: 35732, Start Num: 88
Candidate Starts for DHan_46:
(Start: 44 @35307 has 10 MA's), (Start: 48 @35316 has 43 MA's), (Start: 88 @35403 has 105 MA's), (102, 35421), (120, 35448), (121, 35451), (154, 35529), (213, 35646), (227, 35709),

Gene: Daikon_82 Start: 50285, Stop: 50635, Start Num: 86
Candidate Starts for Daikon_82:
(18, 50048), (Start: 86 @50285 has 28 MA's), (Start: 93 @50300 has 112 MA's), (112, 50336), (225, 50615),

Gene: Daikon_75 Start: 47926, Stop: 48297, Start Num: 92
Candidate Starts for Daikon_75:
(Start: 88 @47920 has 105 MA's), (Start: 92 @47926 has 45 MA's), (130, 47998), (150, 48058), (217, 48229),

Gene: Daikon_70 Start: 45656, Stop: 46066, Start Num: 82
Candidate Starts for Daikon_70:
(Start: 82 @45656 has 139 MA's), (150, 45797), (168, 45845), (184, 45893), (218, 45986), (225, 46028),

Gene: Dallas_119 Start: 66991, Stop: 67311, Start Num: 81
Candidate Starts for Dallas_119:
(Start: 81 @66991 has 31 MA's), (102, 67030), (173, 67186), (185, 67222), (196, 67252), (214, 67297),

Gene: Dallas_135 Start: 73726, Stop: 74085, Start Num: 84
Candidate Starts for Dallas_135:
(67, 73699), (Start: 84 @73726 has 37 MA's), (Start: 88 @73735 has 105 MA's), (154, 73867), (159, 73882), (217, 74017),

Gene: DanBing_44 Start: 35295, Stop: 35624, Start Num: 88
Candidate Starts for DanBing_44:
(Start: 44 @35199 has 10 MA's), (Start: 48 @35208 has 43 MA's), (Start: 88 @35295 has 105 MA's), (102, 35313), (120, 35340), (121, 35343), (154, 35421), (213, 35538), (227, 35601),

Gene: DejaVu_108 Start: 57205, Stop: 56840, Start Num: 60
Candidate Starts for DejaVu_108:

(39, 57256), (Start: 60 @57205 has 6 MA's), (Start: 93 @57136 has 112 MA's), (133, 57076), (136, 57067), (145, 57043), (150, 57028), (207, 56878), (212, 56869),

Gene: DejaVu_109 Start: 57612, Stop: 57202, Start Num: 75
Candidate Starts for DejaVu_109:
(Start: 75 @57612 has 7 MA's), (99, 57570), (132, 57510), (153, 57450), (171, 57408), (211, 57306),

Gene: Demikore_60 Start: 43030, Stop: 43398, Start Num: 82
Candidate Starts for Demikore_60:
(Start: 82 @43030 has 139 MA's), (154, 43159), (157, 43168), (194, 43264), (205, 43291),

Gene: Deschain_107 Start: 56328, Stop: 55891, Start Num: 59
Candidate Starts for Deschain_107:
(Start: 59 @56328 has 40 MA's), (77, 56283), (132, 56187), (136, 56175), (137, 56172), (152, 56130), (164, 56100), (175, 56067),

Gene: DirkDirk_42 Start: 34012, Stop: 34428, Start Num: 48
Candidate Starts for DirkDirk_42:
(Start: 42 @33991 has 3 MA's), (Start: 48 @34012 has 43 MA's), (76, 34078), (Start: 88 @34099 has 105 MA's), (102, 34117), (124, 34156), (131, 34168), (154, 34225), (186, 34285), (227, 34405),

Gene: DirtyBubble_50 Start: 34799, Stop: 35236, Start Num: 59
Candidate Starts for DirtyBubble_50:
(Start: 59 @34799 has 40 MA's), (79, 34847), (136, 34946), (137, 34949), (150, 34985), (175, 35048), (178, 35060), (195, 35099),

Gene: Dismas_48 Start: 34843, Stop: 35286, Start Num: 59
Candidate Starts for Dismas_48:
(Start: 59 @34843 has 40 MA's), (132, 34978), (133, 34981), (156, 35047), (178, 35104), (202, 35155), (220, 35206),

Gene: DmpstrDiver_134 Start: 73073, Stop: 73432, Start Num: 84
Candidate Starts for DmpstrDiver_134:
(67, 73046), (Start: 84 @73073 has 37 MA's), (Start: 88 @73082 has 105 MA's), (154, 73214), (159, 73229), (215, 73358), (217, 73364),

Gene: DmpstrDiver_119 Start: 66397, Stop: 66717, Start Num: 81
Candidate Starts for DmpstrDiver_119:
(Start: 81 @66397 has 31 MA's), (102, 66436), (173, 66592), (185, 66628), (196, 66658), (214, 66703),

Gene: DoctorDiddles_67 Start: 44888, Stop: 45301, Start Num: 82
Candidate Starts for DoctorDiddles_67:
(25, 44714), (Start: 82 @44888 has 139 MA's), (150, 45029), (166, 45071), (203, 45179), (218, 45218), (233, 45281),

Gene: DoctorDiddles_72 Start: 47167, Stop: 47538, Start Num: 92
Candidate Starts for DoctorDiddles_72:
(Start: 88 @47161 has 105 MA's), (Start: 92 @47167 has 45 MA's), (130, 47239), (150, 47299), (187, 47398), (217, 47470),

Gene: DoctorDiddles_79 Start: 49541, Stop: 49876, Start Num: 93
Candidate Starts for DoctorDiddles_79:

(18, 49289), (Start: 86 @49526 has 28 MA's), (Start: 93 @49541 has 112 MA's), (112, 49577), (136, 49631), (197, 49757), (211, 49793), (212, 49796), (218, 49814), (225, 49856),

Gene: Dodo_319 Start: 170077, Stop: 170469, Start Num: 91
Candidate Starts for Dodo_319:
(37, 169951), (38, 169954), (Start: 44 @169975 has 10 MA's), (Start: 91 @170077 has 3 MA's), (107, 170110), (126, 170140), (139, 170176), (143, 170188), (178, 170287), (201, 170344), (211, 170371), (212, 170374), (232, 170455),

Gene: Douge_42 Start: 34035, Stop: 34448, Start Num: 47
Candidate Starts for Douge_42:
(Start: 42 @34020 has 3 MA's), (Start: 44 @34032 has 10 MA's), (Start: 47 @34035 has 5 MA's), (Start: 88 @34125 has 105 MA's), (102, 34143), (120, 34170), (121, 34173), (154, 34251), (193, 34314), (218, 34377), (227, 34425),

Gene: Douzhi_42 Start: 34231, Stop: 34554, Start Num: 88
Candidate Starts for Douzhi_42:
(Start: 42 @34126 has 3 MA's), (Start: 44 @34138 has 10 MA's), (Start: 47 @34141 has 5 MA's), (Start: 88 @34231 has 105 MA's), (102, 34249), (120, 34276), (121, 34279), (154, 34357), (193, 34420), (218, 34483), (227, 34531),

Gene: Dove_120 Start: 68672, Stop: 69031, Start Num: 84
Candidate Starts for Dove_120:
(67, 68645), (Start: 84 @68672 has 37 MA's), (Start: 88 @68681 has 105 MA's), (154, 68813), (159, 68828), (215, 68957), (217, 68963),

Gene: Dove_104 Start: 61905, Stop: 62225, Start Num: 81
Candidate Starts for Dove_104:
(Start: 81 @61905 has 31 MA's), (102, 61944), (154, 62043), (173, 62100), (185, 62136), (196, 62166), (214, 62211),

Gene: DrDrey_80 Start: 50583, Stop: 50930, Start Num: 86
Candidate Starts for DrDrey_80:
(18, 50346), (Start: 86 @50583 has 28 MA's), (Start: 93 @50598 has 112 MA's), (112, 50634), (225, 50910),

Gene: DrDrey_68 Start: 45954, Stop: 46364, Start Num: 82
Candidate Starts for DrDrey_68:
(Start: 82 @45954 has 139 MA's), (150, 46095), (168, 46143), (184, 46191), (218, 46284), (225, 46326),

Gene: DrDrey_73 Start: 48218, Stop: 48595, Start Num: 88
Candidate Starts for DrDrey_73:
(Start: 88 @48218 has 105 MA's), (Start: 92 @48224 has 45 MA's), (130, 48296), (150, 48356), (217, 48527),

Gene: DrSeegs_45 Start: 35356, Stop: 35772, Start Num: 48
Candidate Starts for DrSeegs_45:
(Start: 44 @35347 has 10 MA's), (Start: 48 @35356 has 43 MA's), (Start: 88 @35443 has 105 MA's), (102, 35461), (120, 35488), (121, 35491), (154, 35566), (158, 35578), (213, 35686), (227, 35749),

Gene: Duke13_129 Start: 70374, Stop: 70733, Start Num: 84
Candidate Starts for Duke13_129:

(67, 70347), (Start: 84 @70374 has 37 MA's), (Start: 88 @70383 has 105 MA's), (154, 70515), (159, 70530), (215, 70659), (217, 70665),

Gene: Dumbo_73 Start: 46707, Stop: 47075, Start Num: 92
Candidate Starts for Dumbo_73:
(Start: 88 @46701 has 105 MA's), (Start: 92 @46707 has 45 MA's), (130, 46779), (150, 46839), (217, 47007),

Gene: Dumbo_68 Start: 44437, Stop: 44847, Start Num: 82
Candidate Starts for Dumbo_68:
(Start: 82 @44437 has 139 MA's), (150, 44578), (168, 44626), (184, 44674), (218, 44767), (225, 44809),

Gene: Dumbo_80 Start: 49063, Stop: 49413, Start Num: 86
Candidate Starts for Dumbo_80:
(18, 48826), (Start: 86 @49063 has 28 MA's), (Start: 93 @49078 has 112 MA's), (112, 49114), (225, 49393),

Gene: DuncansLeg_42 Start: 35754, Stop: 36077, Start Num: 88
Candidate Starts for DuncansLeg_42:
(Start: 42 @35646 has 3 MA's), (Start: 44 @35658 has 10 MA's), (Start: 48 @35667 has 43 MA's), (49, 35670), (Start: 88 @35754 has 105 MA's), (102, 35772), (Start: 114 @35790 has 1 MA's), (120, 35799), (174, 35916), (227, 36054),

Gene: Dusk_77 Start: 49378, Stop: 49713, Start Num: 93
Candidate Starts for Dusk_77:
(18, 49126), (Start: 86 @49363 has 28 MA's), (Start: 93 @49378 has 112 MA's), (112, 49414), (225, 49693),

Gene: Dusk_70 Start: 46998, Stop: 47375, Start Num: 88
Candidate Starts for Dusk_70:
(Start: 88 @46998 has 105 MA's), (Start: 92 @47004 has 45 MA's), (130, 47076), (150, 47136), (217, 47307),

Gene: Dusk_65 Start: 44734, Stop: 45144, Start Num: 82
Candidate Starts for Dusk_65:
(Start: 82 @44734 has 139 MA's), (150, 44875), (168, 44923), (184, 44971), (218, 45064), (225, 45106),

Gene: DustyDino_110 Start: 56887, Stop: 56450, Start Num: 59
Candidate Starts for DustyDino_110:
(Start: 59 @56887 has 40 MA's), (Start: 66 @56863 has 3 MA's), (77, 56842), (132, 56746), (136, 56734), (137, 56731), (152, 56689), (164, 56659), (175, 56626),

Gene: DyoEdafos_44 Start: 34357, Stop: 34776, Start Num: 47
Candidate Starts for DyoEdafos_44:
(Start: 42 @34342 has 3 MA's), (Start: 44 @34354 has 10 MA's), (Start: 47 @34357 has 5 MA's), (Start: 88 @34447 has 105 MA's), (102, 34465), (120, 34492), (154, 34570), (193, 34642), (227, 34753),

Gene: Easy2Say_69 Start: 45975, Stop: 46385, Start Num: 82
Candidate Starts for Easy2Say_69:

(25, 45801), (Start: 82 @45975 has 139 MA's), (132, 46071), (150, 46116), (168, 46164), (184, 46212), (218, 46305), (225, 46347),

Gene: Easy2Say_81 Start: 50622, Stop: 50954, Start Num: 93
Candidate Starts for Easy2Say_81:
(18, 50370), (Start: 86 @50607 has 28 MA's), (Start: 93 @50622 has 112 MA's), (112, 50658), (225, 50934),

Gene: Easy2Say_74 Start: 48248, Stop: 48619, Start Num: 92
Candidate Starts for Easy2Say_74:
(Start: 88 @48242 has 105 MA's), (Start: 92 @48248 has 45 MA's), (130, 48320), (150, 48380), (217, 48551),

Gene: Ejimix_128 Start: 73794, Stop: 74153, Start Num: 84
Candidate Starts for Ejimix_128:
(67, 73767), (Start: 84 @73794 has 37 MA's), (Start: 88 @73803 has 105 MA's), (154, 73935), (159, 73950), (217, 74085),

Gene: Ejimix_113 Start: 67525, Stop: 67845, Start Num: 81
Candidate Starts for Ejimix_113:
(Start: 81 @67525 has 31 MA's), (102, 67564), (173, 67720), (185, 67756), (196, 67786), (214, 67831),

Gene: Elite2014_72 Start: 46795, Stop: 47169, Start Num: 88
Candidate Starts for Elite2014_72:
(Start: 88 @46795 has 105 MA's), (Start: 92 @46801 has 45 MA's), (130, 46873), (150, 46933), (217, 47101),

Gene: Elite2014_67 Start: 44531, Stop: 44941, Start Num: 82
Candidate Starts for Elite2014_67:
(Start: 82 @44531 has 139 MA's), (150, 44672), (168, 44720), (184, 44768), (218, 44861), (225, 44903),

Gene: Elite2014_79 Start: 49172, Stop: 49507, Start Num: 93
Candidate Starts for Elite2014_79:
(18, 48920), (Start: 86 @49157 has 28 MA's), (Start: 93 @49172 has 112 MA's), (112, 49208), (225, 49487),

Gene: Ellson_42 Start: 35730, Stop: 36053, Start Num: 88
Candidate Starts for Ellson_42:
(Start: 42 @35622 has 3 MA's), (Start: 44 @35634 has 10 MA's), (Start: 48 @35643 has 43 MA's), (49, 35646), (Start: 88 @35730 has 105 MA's), (102, 35748), (Start: 114 @35766 has 1 MA's), (120, 35775), (174, 35892), (227, 36030),

Gene: Elph10_80 Start: 49162, Stop: 49509, Start Num: 86
Candidate Starts for Elph10_80:
(18, 48925), (Start: 86 @49162 has 28 MA's), (Start: 93 @49177 has 112 MA's), (112, 49213), (225, 49489),

Gene: Elph10_68 Start: 44536, Stop: 44946, Start Num: 82
Candidate Starts for Elph10_68:
(Start: 82 @44536 has 139 MA's), (150, 44677), (168, 44725), (184, 44773), (218, 44866), (225, 44908),

Gene: Elph10_73 Start: 46806, Stop: 47174, Start Num: 92
Candidate Starts for Elph10_73:
(Start: 88 @46800 has 105 MA's), (Start: 92 @46806 has 45 MA's), (130, 46878), (150, 46938), (217, 47106),

Gene: Elva_53 Start: 35217, Stop: 35639, Start Num: 58
Candidate Starts for Elva_53:
(Start: 58 @35217 has 1 MA's), (136, 35367), (137, 35370), (156, 35424), (204, 35523),

Gene: Emmina_80 Start: 49079, Stop: 49411, Start Num: 93
Candidate Starts for Emmina_80:
(Start: 86 @49064 has 28 MA's), (Start: 93 @49079 has 112 MA's), (112, 49115), (225, 49391),

Gene: Emmina_68 Start: 44438, Stop: 44848, Start Num: 82
Candidate Starts for Emmina_68:
(25, 44264), (Start: 82 @44438 has 139 MA's), (150, 44579), (168, 44627), (184, 44675), (218, 44768), (225, 44810),

Gene: Emmina_73 Start: 46702, Stop: 47076, Start Num: 88
Candidate Starts for Emmina_73:
(Start: 88 @46702 has 105 MA's), (Start: 92 @46708 has 45 MA's), (130, 46780), (150, 46840), (217, 47008),

Gene: Enceladus_42 Start: 33995, Stop: 34411, Start Num: 48
Candidate Starts for Enceladus_42:
(Start: 42 @33974 has 3 MA's), (Start: 48 @33995 has 43 MA's), (76, 34061), (Start: 88 @34082 has 105 MA's), (102, 34100), (124, 34139), (131, 34151), (154, 34208), (186, 34268), (227, 34388),

Gene: Erasmago_351 Start: 179050, Stop: 179529, Start Num: 59
Candidate Starts for Erasmago_351:
(Start: 59 @179050 has 40 MA's), (100, 179137), (110, 179155), (151, 179260), (154, 179269), (166, 179299), (200, 179398), (212, 179431), (232, 179512),

Gene: Erasmago_13 Start: 4541, Stop: 5020, Start Num: 59
Candidate Starts for Erasmago_13:
(Start: 59 @4541 has 40 MA's), (100, 4628), (110, 4646), (151, 4751), (154, 4760), (166, 4790), (200, 4889), (212, 4922), (232, 5003),

Gene: Erenyeager_107 Start: 55997, Stop: 55551, Start Num: 59
Candidate Starts for Erenyeager_107:
(1, 56621), (2, 56594), (3, 56573), (5, 56525), (7, 56411), (10, 56360), (19, 56168), (40, 56048), (Start: 59 @55997 has 40 MA's), (Start: 66 @55973 has 3 MA's), (77, 55952), (132, 55847), (136, 55835), (137, 55832), (152, 55790), (164, 55760),

Gene: EricMillard_126 Start: 72298, Stop: 72657, Start Num: 84
Candidate Starts for EricMillard_126:
(67, 72271), (Start: 84 @72298 has 37 MA's), (Start: 88 @72307 has 105 MA's), (154, 72439), (159, 72454), (215, 72583), (217, 72589),

Gene: Eureka_66 Start: 45002, Stop: 45412, Start Num: 82
Candidate Starts for Eureka_66:
(Start: 82 @45002 has 139 MA's), (150, 45143), (168, 45191), (184, 45239), (218, 45332), (225, 45374),

Gene: Eureka_78 Start: 49628, Stop: 49975, Start Num: 86
Candidate Starts for Eureka_78:
(18, 49391), (Start: 86 @49628 has 28 MA's), (Start: 93 @49643 has 112 MA's), (112, 49679), (225, 49955),

Gene: Eureka_71 Start: 47272, Stop: 47640, Start Num: 92
Candidate Starts for Eureka_71:
(Start: 88 @47266 has 105 MA's), (Start: 92 @47272 has 45 MA's), (130, 47344), (150, 47404), (217, 47572),

Gene: FairyPath_81 Start: 50291, Stop: 50626, Start Num: 93
Candidate Starts for FairyPath_81:
(18, 50039), (Start: 86 @50276 has 28 MA's), (Start: 93 @50291 has 112 MA's), (112, 50327), (177, 50468), (197, 50507), (211, 50543), (212, 50546), (218, 50564), (225, 50606),

Gene: FairyPath_69 Start: 45647, Stop: 46057, Start Num: 82
Candidate Starts for FairyPath_69:
(25, 45473), (Start: 82 @45647 has 139 MA's), (150, 45788), (168, 45836), (184, 45884), (218, 45977), (225, 46019),

Gene: FairyPath_74 Start: 47911, Stop: 48288, Start Num: 88
Candidate Starts for FairyPath_74:
(Start: 88 @47911 has 105 MA's), (Start: 92 @47917 has 45 MA's), (130, 47989), (150, 48049), (217, 48220),

Gene: Faith1_45 Start: 35347, Stop: 35772, Start Num: 44
Candidate Starts for Faith1_45:
(Start: 44 @35347 has 10 MA's), (Start: 48 @35356 has 43 MA's), (Start: 88 @35443 has 105 MA's), (102, 35461), (120, 35488), (121, 35491), (154, 35566), (158, 35578), (213, 35686), (227, 35749),

Gene: FarmResident_43 Start: 34169, Stop: 34492, Start Num: 88
Candidate Starts for FarmResident_43:
(Start: 42 @34064 has 3 MA's), (Start: 44 @34076 has 10 MA's), (Start: 47 @34079 has 5 MA's), (Start: 88 @34169 has 105 MA's), (102, 34187), (120, 34214), (121, 34217), (154, 34295), (193, 34358), (218, 34421), (227, 34469),

Gene: Filch_81 Start: 49104, Stop: 49436, Start Num: 93
Candidate Starts for Filch_81:
(18, 48852), (Start: 86 @49089 has 28 MA's), (Start: 93 @49104 has 112 MA's), (112, 49140), (225, 49416),

Gene: Filch_74 Start: 46733, Stop: 47101, Start Num: 92
Candidate Starts for Filch_74:
(Start: 88 @46727 has 105 MA's), (Start: 92 @46733 has 45 MA's), (130, 46805), (150, 46865), (217, 47033),

Gene: Filch_69 Start: 44463, Stop: 44873, Start Num: 82
Candidate Starts for Filch_69:
(Start: 82 @44463 has 139 MA's), (150, 44604), (168, 44652), (184, 44700), (218, 44793), (225, 44835),

Gene: Finemlucis_45 Start: 35623, Stop: 36048, Start Num: 44

Candidate Starts for Finemlucis_45:
(Start: 44 @35623 has 10 MA's), (Start: 48 @35632 has 43 MA's), (Start: 88 @35719 has 105 MA's), (102, 35737), (120, 35764), (121, 35767), (154, 35842), (158, 35854), (213, 35962), (227, 36025),

Gene: Finnry_42 Start: 35733, Stop: 36056, Start Num: 88
Candidate Starts for Finnry_42:
(Start: 42 @35628 has 3 MA's), (Start: 44 @35640 has 10 MA's), (Start: 48 @35649 has 43 MA's), (Start: 88 @35733 has 105 MA's), (102, 35751), (Start: 114 @35769 has 1 MA's), (120, 35778), (174, 35895), (227, 36033),

Gene: FireRed_84 Start: 50666, Stop: 51001, Start Num: 93
Candidate Starts for FireRed_84:
(6, 50096), (9, 50213), (18, 50414), (Start: 86 @50651 has 28 MA's), (Start: 93 @50666 has 112 MA's), (112, 50702), (225, 50981),

Gene: FireRed_72 Start: 46025, Stop: 46438, Start Num: 82
Candidate Starts for FireRed_72:
(25, 45851), (Start: 82 @46025 has 139 MA's), (150, 46166), (168, 46214), (184, 46262), (218, 46355), (233, 46418),

Gene: FireRed_77 Start: 48298, Stop: 48663, Start Num: 92
Candidate Starts for FireRed_77:
(Start: 88 @48292 has 105 MA's), (Start: 92 @48298 has 45 MA's), (130, 48370), (150, 48424), (217, 48595),

Gene: FlameThrower_48 Start: 34660, Stop: 35100, Start Num: 59
Candidate Starts for FlameThrower_48:
(Start: 59 @34660 has 40 MA's), (150, 34849), (209, 34999),

Gene: Flypotenuse_76 Start: 49163, Stop: 49498, Start Num: 93
Candidate Starts for Flypotenuse_76:
(18, 48911), (Start: 86 @49148 has 28 MA's), (Start: 93 @49163 has 112 MA's), (112, 49199), (225, 49478),

Gene: Flypotenuse_69 Start: 46783, Stop: 47160, Start Num: 88
Candidate Starts for Flypotenuse_69:
(Start: 88 @46783 has 105 MA's), (Start: 92 @46789 has 45 MA's), (130, 46861), (150, 46921), (217, 47092),

Gene: Flypotenuse_64 Start: 44519, Stop: 44929, Start Num: 82
Candidate Starts for Flypotenuse_64:
(Start: 82 @44519 has 139 MA's), (150, 44660), (168, 44708), (184, 44756), (218, 44849), (225, 44891),

Gene: FoghornLeghorn_62 Start: 43529, Stop: 43942, Start Num: 82
Candidate Starts for FoghornLeghorn_62:
(25, 43355), (Start: 82 @43529 has 139 MA's), (150, 43670), (166, 43712), (203, 43820), (218, 43859), (233, 43922),

Gene: FoghornLeghorn_67 Start: 45805, Stop: 46173, Start Num: 92
Candidate Starts for FoghornLeghorn_67:
(Start: 88 @45799 has 105 MA's), (Start: 92 @45805 has 45 MA's), (130, 45877), (150, 45937), (217, 46105),

Gene: FoghornLeghorn_74 Start: 48161, Stop: 48511, Start Num: 86
Candidate Starts for FoghornLeghorn_74:
(Start: 86 @48161 has 28 MA's), (Start: 93 @48176 has 112 MA's), (112, 48212), (136, 48266), (197, 48392), (211, 48428), (212, 48431), (218, 48449), (225, 48491),

Gene: Fork_103 Start: 55912, Stop: 55475, Start Num: 59
Candidate Starts for Fork_103:
(Start: 59 @55912 has 40 MA's), (Start: 66 @55888 has 3 MA's), (77, 55867), (132, 55771), (136, 55759), (137, 55756), (152, 55714), (164, 55684), (175, 55651),

Gene: Gabriela_45 Start: 35618, Stop: 36034, Start Num: 48
Candidate Starts for Gabriela_45:
(Start: 44 @35609 has 10 MA's), (Start: 48 @35618 has 43 MA's), (Start: 88 @35705 has 105 MA's), (102, 35723), (120, 35750), (121, 35753), (154, 35828), (158, 35840), (213, 35948), (227, 36011),

Gene: Gage_75 Start: 47576, Stop: 47953, Start Num: 88
Candidate Starts for Gage_75:
(Start: 88 @47576 has 105 MA's), (Start: 92 @47582 has 45 MA's), (130, 47654), (150, 47714), (217, 47885),

Gene: Gage_70 Start: 45309, Stop: 45719, Start Num: 82
Candidate Starts for Gage_70:
(25, 45135), (Start: 82 @45309 has 139 MA's), (150, 45450), (168, 45498), (184, 45546), (218, 45639), (225, 45681),

Gene: Gage_82 Start: 49956, Stop: 50291, Start Num: 93
Candidate Starts for Gage_82:
(18, 49704), (Start: 86 @49941 has 28 MA's), (Start: 93 @49956 has 112 MA's), (112, 49992), (225, 50271),

Gene: Gardann_45 Start: 35357, Stop: 35773, Start Num: 48
Candidate Starts for Gardann_45:
(Start: 44 @35348 has 10 MA's), (Start: 48 @35357 has 43 MA's), (Start: 88 @35444 has 105 MA's), (102, 35462), (120, 35489), (121, 35492), (154, 35567), (158, 35579), (213, 35687), (227, 35750),

Gene: Gator_66 Start: 45365, Stop: 45775, Start Num: 82
Candidate Starts for Gator_66:
(Start: 82 @45365 has 139 MA's), (150, 45506), (168, 45554), (184, 45602), (218, 45695), (225, 45737),

Gene: Gator_71 Start: 47629, Stop: 48006, Start Num: 88
Candidate Starts for Gator_71:
(Start: 88 @47629 has 105 MA's), (Start: 92 @47635 has 45 MA's), (130, 47707), (150, 47767), (217, 47938),

Gene: Gator_78 Start: 50009, Stop: 50341, Start Num: 93
Candidate Starts for Gator_78:
(18, 49757), (Start: 86 @49994 has 28 MA's), (Start: 93 @50009 has 112 MA's), (112, 50045), (225, 50321),

Gene: Gemini_73 Start: 45826, Stop: 46236, Start Num: 82
Candidate Starts for Gemini_73:

(25, 45652), (Start: 82 @45826 has 139 MA's), (150, 45967), (168, 46015), (184, 46063), (218, 46156), (225, 46198),

Gene: Gemini_78 Start: 48093, Stop: 48470, Start Num: 88
Candidate Starts for Gemini_78:
(Start: 88 @48093 has 105 MA's), (Start: 92 @48099 has 45 MA's), (130, 48171), (150, 48231), (217, 48402),

Gene: Gemini_85 Start: 50473, Stop: 50808, Start Num: 93
Candidate Starts for Gemini_85:
(18, 50221), (Start: 86 @50458 has 28 MA's), (Start: 93 @50473 has 112 MA's), (112, 50509), (225, 50788),

Gene: GiKK_67 Start: 44458, Stop: 44943, Start Num: 56
Candidate Starts for GiKK_67:
(12, 44224), (14, 44242), (23, 44332), (26, 44353), (Start: 56 @44458 has 4 MA's), (Start: 63 @44482 has 2 MA's), (Start: 82 @44521 has 139 MA's), (89, 44533), (133, 44635), (161, 44716), (189, 44773), (212, 44836), (219, 44860), (222, 44878),

Gene: Glexan_72 Start: 47913, Stop: 48290, Start Num: 88
Candidate Starts for Glexan_72:
(Start: 88 @47913 has 105 MA's), (Start: 92 @47919 has 45 MA's), (130, 47991), (150, 48051), (217, 48222),

Gene: Glexan_67 Start: 45646, Stop: 46059, Start Num: 82
Candidate Starts for Glexan_67:
(25, 45472), (Start: 82 @45646 has 139 MA's), (150, 45787), (166, 45829), (203, 45937), (218, 45976), (233, 46039),

Gene: Glexan_79 Start: 50293, Stop: 50628, Start Num: 93
Candidate Starts for Glexan_79:
(18, 50041), (Start: 86 @50278 has 28 MA's), (Start: 93 @50293 has 112 MA's), (112, 50329), (225, 50608),

Gene: Goku_66 Start: 44731, Stop: 45141, Start Num: 82
Candidate Starts for Goku_66:
(Start: 82 @44731 has 139 MA's), (150, 44872), (168, 44920), (184, 44968), (218, 45061), (225, 45103),

Gene: Goku_78 Start: 49357, Stop: 49704, Start Num: 86
Candidate Starts for Goku_78:
(18, 49120), (Start: 86 @49357 has 28 MA's), (Start: 93 @49372 has 112 MA's), (112, 49408), (225, 49684),

Gene: Goku_71 Start: 46995, Stop: 47369, Start Num: 88
Candidate Starts for Goku_71:
(Start: 88 @46995 has 105 MA's), (Start: 92 @47001 has 45 MA's), (130, 47073), (150, 47133), (217, 47301),

Gene: GoldenSpark_72 Start: 45309, Stop: 45719, Start Num: 82
Candidate Starts for GoldenSpark_72:
(25, 45135), (Start: 82 @45309 has 139 MA's), (150, 45450), (168, 45498), (184, 45546), (218, 45639), (225, 45681),

Gene: GoldenSpark_84 Start: 49941, Stop: 50291, Start Num: 86
Candidate Starts for GoldenSpark_84:
(18, 49704), (Start: 86 @49941 has 28 MA's), (Start: 93 @49956 has 112 MA's), (112, 49992), (225, 50271),

Gene: GoldenSpark_77 Start: 47582, Stop: 47953, Start Num: 92
Candidate Starts for GoldenSpark_77:
(Start: 88 @47576 has 105 MA's), (Start: 92 @47582 has 45 MA's), (130, 47654), (150, 47714), (217, 47885),

Gene: Goldilocks_76 Start: 47080, Stop: 47451, Start Num: 92
Candidate Starts for Goldilocks_76:
(Start: 88 @47074 has 105 MA's), (Start: 92 @47080 has 45 MA's), (130, 47152), (150, 47212), (217, 47383),

Gene: Goldilocks_71 Start: 44810, Stop: 45220, Start Num: 82
Candidate Starts for Goldilocks_71:
(25, 44636), (Start: 82 @44810 has 139 MA's), (150, 44951), (168, 44999), (184, 45047), (218, 45140), (225, 45182),

Gene: Goldilocks_83 Start: 49454, Stop: 49786, Start Num: 93
Candidate Starts for Goldilocks_83:
(18, 49202), (Start: 86 @49439 has 28 MA's), (Start: 93 @49454 has 112 MA's), (112, 49490), (225, 49766),

Gene: Gonephishing_128 Start: 69464, Stop: 69817, Start Num: 84
Candidate Starts for Gonephishing_128:
(Start: 84 @69464 has 37 MA's), (Start: 88 @69473 has 105 MA's), (215, 69743), (225, 69794),

Gene: Gonephishing_107 Start: 60857, Stop: 61180, Start Num: 81
Candidate Starts for Gonephishing_107:
(Start: 81 @60857 has 31 MA's), (102, 60896), (139, 60962), (149, 60983), (150, 60986), (159, 61013), (214, 61166),

Gene: GooberAzure_83 Start: 49956, Stop: 50291, Start Num: 93
Candidate Starts for GooberAzure_83:
(18, 49704), (Start: 86 @49941 has 28 MA's), (Start: 93 @49956 has 112 MA's), (112, 49992), (225, 50271),

Gene: GooberAzure_71 Start: 45309, Stop: 45719, Start Num: 82
Candidate Starts for GooberAzure_71:
(25, 45135), (Start: 82 @45309 has 139 MA's), (150, 45450), (168, 45498), (184, 45546), (218, 45639), (225, 45681),

Gene: GooberAzure_76 Start: 47576, Stop: 47953, Start Num: 88
Candidate Starts for GooberAzure_76:
(Start: 88 @47576 has 105 MA's), (Start: 92 @47582 has 45 MA's), (130, 47654), (150, 47714), (217, 47885),

Gene: Grayson_232 Start: 113102, Stop: 113485, Start Num: 78
Candidate Starts for Grayson_232:

(Start: 75 @113096 has 7 MA's), (Start: 78 @113102 has 4 MA's), (147, 113249), (161, 113288), (215, 113396), (228, 113456), (232, 113465),

Gene: Grayson_206 Start: 104718, Stop: 105071, Start Num: 81
Candidate Starts for Grayson_206:
(Start: 81 @104718 has 31 MA's), (149, 104859), (206, 104967), (215, 104985),

Gene: Grayson_26 Start: 7449, Stop: 7075, Start Num: 80
Candidate Starts for Grayson_26:
(Start: 80 @7449 has 3 MA's), (155, 7281), (169, 7254), (186, 7209), (219, 7140),

Gene: Grayson_20 Start: 5707, Stop: 5357, Start Num: 86
Candidate Starts for Grayson_20:
(74, 5728), (Start: 86 @5707 has 28 MA's), (203, 5467),

Gene: Grayson_21 Start: 6068, Stop: 5700, Start Num: 86
Candidate Starts for Grayson_21:
(68, 6098), (72, 6092), (Start: 75 @6086 has 7 MA's), (Start: 86 @6068 has 28 MA's), (150, 5924), (155, 5909), (231, 5717),

Gene: Greep_72 Start: 46314, Stop: 46724, Start Num: 82
Candidate Starts for Greep_72:
(Start: 82 @46314 has 139 MA's), (150, 46455), (168, 46503), (184, 46551), (218, 46644), (225, 46686),

Gene: Greep_77 Start: 48584, Stop: 48952, Start Num: 92
Candidate Starts for Greep_77:
(Start: 88 @48578 has 105 MA's), (Start: 92 @48584 has 45 MA's), (130, 48656), (150, 48716), (217, 48884),

Gene: Greep_84 Start: 50955, Stop: 51287, Start Num: 93
Candidate Starts for Greep_84:
(18, 50703), (Start: 86 @50940 has 28 MA's), (Start: 93 @50955 has 112 MA's), (112, 50991), (225, 51267),

Gene: GuuelaD_44 Start: 35386, Stop: 35811, Start Num: 44
Candidate Starts for GuuelaD_44:
(Start: 44 @35386 has 10 MA's), (Start: 48 @35395 has 43 MA's), (Start: 88 @35482 has 105 MA's), (102, 35500), (120, 35527), (121, 35530), (154, 35605), (158, 35617), (213, 35725), (227, 35788),

Gene: Hafay_45 Start: 35477, Stop: 35806, Start Num: 88
Candidate Starts for Hafay_45:
(Start: 44 @35381 has 10 MA's), (Start: 48 @35390 has 43 MA's), (Start: 88 @35477 has 105 MA's), (102, 35495), (120, 35522), (121, 35525), (154, 35600), (158, 35612), (213, 35720), (227, 35783),

Gene: Halena_42 Start: 34036, Stop: 34452, Start Num: 48
Candidate Starts for Halena_42:
(Start: 42 @34015 has 3 MA's), (Start: 48 @34036 has 43 MA's), (76, 34102), (Start: 88 @34123 has 105 MA's), (102, 34141), (124, 34180), (131, 34192), (154, 34249), (186, 34309), (227, 34429),

Gene: Halley_121 Start: 67841, Stop: 68161, Start Num: 81
Candidate Starts for Halley_121:
(Start: 81 @67841 has 31 MA's), (102, 67880), (173, 68036), (185, 68072), (196, 68102), (214, 68147),

Gene: Halley_136 Start: 74110, Stop: 74469, Start Num: 84
Candidate Starts for Halley_136:
(67, 74083), (Start: 84 @74110 has 37 MA's), (Start: 88 @74119 has 105 MA's), (154, 74251), (159, 74266), (217, 74401),

Gene: HanKaySha_73 Start: 46880, Stop: 47254, Start Num: 88
Candidate Starts for HanKaySha_73:
(Start: 88 @46880 has 105 MA's), (Start: 92 @46886 has 45 MA's), (130, 46958), (150, 47018), (217, 47186),

Gene: HanKaySha_80 Start: 49257, Stop: 49589, Start Num: 93
Candidate Starts for HanKaySha_80:
(18, 49005), (Start: 86 @49242 has 28 MA's), (Start: 93 @49257 has 112 MA's), (112, 49293), (225, 49569),

Gene: HanKaySha_68 Start: 44616, Stop: 45026, Start Num: 82
Candidate Starts for HanKaySha_68:
(Start: 82 @44616 has 139 MA's), (150, 44757), (168, 44805), (184, 44853), (218, 44946), (225, 44988),

Gene: Hannaconda_104 Start: 59803, Stop: 60126, Start Num: 81
Candidate Starts for Hannaconda_104:
(Start: 81 @59803 has 31 MA's), (102, 59842), (139, 59908), (149, 59929), (150, 59932), (159, 59959), (214, 60112),

Gene: Hannaconda_127 Start: 70117, Stop: 70470, Start Num: 84
Candidate Starts for Hannaconda_127:
(Start: 84 @70117 has 37 MA's), (Start: 88 @70126 has 105 MA's), (215, 70396), (225, 70447),

Gene: Harella_68 Start: 46162, Stop: 46575, Start Num: 82
Candidate Starts for Harella_68:
(25, 45988), (Start: 82 @46162 has 139 MA's), (150, 46303), (166, 46345), (203, 46453), (218, 46492), (233, 46555),

Gene: Harella_80 Start: 50809, Stop: 51144, Start Num: 93
Candidate Starts for Harella_80:
(18, 50557), (Start: 86 @50794 has 28 MA's), (Start: 93 @50809 has 112 MA's), (112, 50845), (225, 51124),

Gene: Harella_73 Start: 48429, Stop: 48806, Start Num: 88
Candidate Starts for Harella_73:
(Start: 88 @48429 has 105 MA's), (Start: 92 @48435 has 45 MA's), (130, 48507), (150, 48567), (217, 48738),

Gene: Henry_66 Start: 44953, Stop: 45363, Start Num: 82
Candidate Starts for Henry_66:
(25, 44779), (Start: 82 @44953 has 139 MA's), (132, 45049), (150, 45094), (168, 45142), (184, 45190), (218, 45283), (225, 45325),

Gene: Henry_71 Start: 47217, Stop: 47594, Start Num: 88
Candidate Starts for Henry_71:

(Start: 88 @47217 has 105 MA's), (Start: 92 @47223 has 45 MA's), (130, 47295), (150, 47355), (217, 47526),

Gene: Henry_78 Start: 49597, Stop: 49929, Start Num: 93
Candidate Starts for Henry_78:
(18, 49345), (Start: 86 @49582 has 28 MA's), (Start: 93 @49597 has 112 MA's), (112, 49633), (225, 49909),

Gene: Hidrated_119 Start: 72693, Stop: 73052, Start Num: 84
Candidate Starts for Hidrated_119:
(67, 72666), (Start: 84 @72693 has 37 MA's), (Start: 88 @72702 has 105 MA's), (154, 72834), (159, 72849),

Gene: Highbury_72 Start: 46868, Stop: 47242, Start Num: 88
Candidate Starts for Highbury_72:
(Start: 88 @46868 has 105 MA's), (Start: 92 @46874 has 45 MA's), (130, 46946), (150, 47006), (217, 47174),

Gene: Highbury_79 Start: 49245, Stop: 49580, Start Num: 93
Candidate Starts for Highbury_79:
(18, 48993), (Start: 86 @49230 has 28 MA's), (Start: 93 @49245 has 112 MA's), (112, 49281), (225, 49560),

Gene: Highbury_67 Start: 44604, Stop: 45014, Start Num: 82
Candidate Starts for Highbury_67:
(Start: 82 @44604 has 139 MA's), (150, 44745), (168, 44793), (184, 44841), (218, 44934), (225, 44976),

Gene: HokkenD_108 Start: 64913, Stop: 65233, Start Num: 81
Candidate Starts for HokkenD_108:
(Start: 81 @64913 has 31 MA's), (102, 64952), (154, 65051), (173, 65108), (185, 65144), (196, 65174), (214, 65219),

Gene: HokkenD_126 Start: 72994, Stop: 73353, Start Num: 84
Candidate Starts for HokkenD_126:
(67, 72967), (Start: 84 @72994 has 37 MA's), (Start: 88 @73003 has 105 MA's), (154, 73135), (159, 73150), (215, 73279), (217, 73285),

Gene: HollowPurple_108 Start: 56575, Stop: 56138, Start Num: 59
Candidate Starts for HollowPurple_108:
(Start: 59 @56575 has 40 MA's), (Start: 66 @56551 has 3 MA's), (77, 56530), (132, 56434), (136, 56422), (137, 56419), (152, 56377), (164, 56347), (175, 56314),

Gene: Holt_85 Start: 50370, Stop: 50705, Start Num: 93
Candidate Starts for Holt_85:
(18, 50118), (Start: 86 @50355 has 28 MA's), (Start: 93 @50370 has 112 MA's), (112, 50406), (225, 50685),

Gene: Holt_78 Start: 47990, Stop: 48367, Start Num: 88
Candidate Starts for Holt_78:
(Start: 88 @47990 has 105 MA's), (Start: 92 @47996 has 45 MA's), (130, 48068), (150, 48128), (217, 48299),

Gene: Holt_73 Start: 45723, Stop: 46133, Start Num: 82
Candidate Starts for Holt_73:
(25, 45549), (Start: 82 @45723 has 139 MA's), (150, 45864), (168, 45912), (184, 45960), (218, 46053), (225, 46095),

Gene: Hoonter_71 Start: 45309, Stop: 45719, Start Num: 82
Candidate Starts for Hoonter_71:
(25, 45135), (Start: 82 @45309 has 139 MA's), (150, 45450), (168, 45498), (184, 45546), (218, 45639), (225, 45681),

Gene: Hoonter_76 Start: 47576, Stop: 47953, Start Num: 88
Candidate Starts for Hoonter_76:
(Start: 88 @47576 has 105 MA's), (Start: 92 @47582 has 45 MA's), (130, 47654), (150, 47714), (217, 47885),

Gene: Hoonter_83 Start: 49956, Stop: 50288, Start Num: 93
Candidate Starts for Hoonter_83:
(6, 49386), (9, 49503), (18, 49704), (Start: 86 @49941 has 28 MA's), (Start: 93 @49956 has 112 MA's), (112, 49992), (225, 50268),

Gene: Hopey_68 Start: 45148, Stop: 45558, Start Num: 82
Candidate Starts for Hopey_68:
(Start: 82 @45148 has 139 MA's), (150, 45289), (168, 45337), (184, 45385), (218, 45478), (225, 45520),

Gene: Hopey_80 Start: 49789, Stop: 50121, Start Num: 93
Candidate Starts for Hopey_80:
(18, 49537), (Start: 86 @49774 has 28 MA's), (Start: 93 @49789 has 112 MA's), (112, 49825), (225, 50101),

Gene: Hopey_73 Start: 47412, Stop: 47786, Start Num: 88
Candidate Starts for Hopey_73:
(Start: 88 @47412 has 105 MA's), (Start: 92 @47418 has 45 MA's), (130, 47490), (150, 47550), (217, 47718),

Gene: Hortus1_107 Start: 58256, Stop: 57870, Start Num: 57
Candidate Starts for Hortus1_107:
(27, 58349), (36, 58313), (45, 58280), (55, 58259), (Start: 57 @58256 has 7 MA's), (Start: 93 @58175 has 112 MA's), (109, 58157), (136, 58103), (145, 58079), (170, 58007), (181, 57971), (191, 57953),

Gene: Hubbs_108 Start: 57876, Stop: 57466, Start Num: 75
Candidate Starts for Hubbs_108:
(Start: 75 @57876 has 7 MA's), (99, 57834), (132, 57774), (153, 57714), (171, 57672), (211, 57570),

Gene: Hubbs_107 Start: 57469, Stop: 57104, Start Num: 60
Candidate Starts for Hubbs_107:
(39, 57520), (Start: 60 @57469 has 6 MA's), (Start: 93 @57400 has 112 MA's), (133, 57340), (136, 57331), (145, 57307), (150, 57292), (207, 57142), (212, 57133),

Gene: HufflyPuff_83 Start: 50607, Stop: 50954, Start Num: 86
Candidate Starts for HufflyPuff_83:
(Start: 86 @50607 has 28 MA's), (Start: 93 @50622 has 112 MA's), (112, 50658), (225, 50934),

Gene: HufflyPuff_71 Start: 45981, Stop: 46391, Start Num: 82
Candidate Starts for HufflyPuff_71:
(Start: 82 @45981 has 139 MA's), (150, 46122), (168, 46170), (184, 46218), (218, 46311), (225, 46353),

Gene: HufflyPuff_76 Start: 48245, Stop: 48619, Start Num: 88
Candidate Starts for HufflyPuff_76:
(Start: 88 @48245 has 105 MA's), (Start: 92 @48251 has 45 MA's), (130, 48323), (150, 48383), (217, 48551),

Gene: Hughesyang_118 Start: 67297, Stop: 67617, Start Num: 81
Candidate Starts for Hughesyang_118:
(Start: 81 @67297 has 31 MA's), (102, 67336), (173, 67492), (185, 67528), (196, 67558), (214, 67603),

Gene: Hughesyang_134 Start: 73880, Stop: 74239, Start Num: 84
Candidate Starts for Hughesyang_134:
(67, 73853), (Start: 84 @73880 has 37 MA's), (Start: 88 @73889 has 105 MA's), (154, 74021), (159, 74036), (215, 74165), (217, 74171),

Gene: IHOP_71 Start: 47341, Stop: 47718, Start Num: 88
Candidate Starts for IHOP_71:
(Start: 88 @47341 has 105 MA's), (Start: 92 @47347 has 45 MA's), (130, 47419), (150, 47479), (217, 47650),

Gene: IHOP_66 Start: 45077, Stop: 45487, Start Num: 82
Candidate Starts for IHOP_66:
(Start: 82 @45077 has 139 MA's), (150, 45218), (168, 45266), (184, 45314), (218, 45407), (225, 45449),

Gene: IHOP_78 Start: 49721, Stop: 50053, Start Num: 93
Candidate Starts for IHOP_78:
(18, 49469), (Start: 86 @49706 has 28 MA's), (Start: 93 @49721 has 112 MA's), (112, 49757), (225, 50033),

Gene: Icarian_54 Start: 35804, Stop: 36241, Start Num: 59
Candidate Starts for Icarian_54:
(Start: 59 @35804 has 40 MA's), (79, 35852), (136, 35951), (137, 35954), (150, 35990), (178, 36065), (195, 36104), (221, 36185),

Gene: Icee_74 Start: 47246, Stop: 47617, Start Num: 92
Candidate Starts for Icee_74:
(Start: 88 @47240 has 105 MA's), (Start: 92 @47246 has 45 MA's), (130, 47318), (150, 47378), (217, 47549),

Gene: Icee_69 Start: 44976, Stop: 45386, Start Num: 82
Candidate Starts for Icee_69:
(Start: 82 @44976 has 139 MA's), (150, 45117), (168, 45165), (184, 45213), (218, 45306), (225, 45348),

Gene: Icee_81 Start: 49620, Stop: 49955, Start Num: 93
Candidate Starts for Icee_81:
(18, 49368), (Start: 86 @49605 has 28 MA's), (Start: 93 @49620 has 112 MA's), (112, 49656), (225, 49935),

Gene: Inca_70 Start: 45869, Stop: 46243, Start Num: 88
Candidate Starts for Inca_70:
(Start: 88 @45869 has 105 MA's), (Start: 92 @45875 has 45 MA's), (130, 45947), (150, 46007), (217, 46175),

Gene: Inca_77 Start: 48246, Stop: 48581, Start Num: 93
Candidate Starts for Inca_77:
(18, 47994), (Start: 86 @48231 has 28 MA's), (Start: 93 @48246 has 112 MA's), (112, 48282), (225, 48561),

Gene: Inca_65 Start: 43602, Stop: 44012, Start Num: 82
Candidate Starts for Inca_65:
(25, 43428), (Start: 82 @43602 has 139 MA's), (150, 43743), (168, 43791), (184, 43839), (218, 43932), (225, 43974),

Gene: Issa7_106 Start: 55958, Stop: 55521, Start Num: 59
Candidate Starts for Issa7_106:
(Start: 59 @55958 has 40 MA's), (Start: 66 @55934 has 3 MA's), (77, 55913), (132, 55817), (136, 55805), (137, 55802), (152, 55760), (164, 55730), (175, 55697),

Gene: Itos_44 Start: 34253, Stop: 34678, Start Num: 44
Candidate Starts for Itos_44:
(Start: 44 @34253 has 10 MA's), (Start: 48 @34262 has 43 MA's), (Start: 88 @34349 has 105 MA's), (102, 34367), (120, 34394), (121, 34397), (154, 34472), (158, 34484), (213, 34592), (227, 34655),

Gene: Jamzy_67 Start: 44194, Stop: 44679, Start Num: 56
Candidate Starts for Jamzy_67:
(12, 43960), (14, 43978), (23, 44068), (26, 44089), (Start: 56 @44194 has 4 MA's), (Start: 63 @44218 has 2 MA's), (Start: 82 @44257 has 139 MA's), (89, 44269), (133, 44371), (161, 44452), (212, 44572), (219, 44596), (222, 44614),

Gene: JeTaime_73 Start: 48064, Stop: 48435, Start Num: 88
Candidate Starts for JeTaime_73:
(Start: 88 @48064 has 105 MA's), (Start: 92 @48070 has 45 MA's), (130, 48142), (150, 48196), (217, 48367),

Gene: JeTaime_68 Start: 45800, Stop: 46210, Start Num: 82
Candidate Starts for JeTaime_68:
(25, 45626), (Start: 82 @45800 has 139 MA's), (150, 45941), (168, 45989), (184, 46037), (218, 46130), (225, 46172),

Gene: JeTaime_80 Start: 50438, Stop: 50770, Start Num: 93
Candidate Starts for JeTaime_80:
(18, 50186), (Start: 86 @50423 has 28 MA's), (Start: 93 @50438 has 112 MA's), (112, 50474), (225, 50750),

Gene: Jobypre_42 Start: 35730, Stop: 36053, Start Num: 88
Candidate Starts for Jobypre_42:
(Start: 42 @35625 has 3 MA's), (Start: 44 @35637 has 10 MA's), (Start: 48 @35646 has 43 MA's), (Start: 88 @35730 has 105 MA's), (102, 35748), (Start: 114 @35766 has 1 MA's), (120, 35775), (174, 35892), (227, 36030),

Gene: JoeDirt_42 Start: 33993, Stop: 34409, Start Num: 48
Candidate Starts for JoeDirt_42:
(Start: 42 @33972 has 3 MA's), (Start: 48 @33993 has 43 MA's), (76, 34059), (Start: 88 @34080 has 105 MA's), (102, 34098), (124, 34137), (131, 34149), (154, 34206), (186, 34266), (227, 34386),

Gene: Jubie_42 Start: 35647, Stop: 36054, Start Num: 48
Candidate Starts for Jubie_42:
(Start: 42 @35626 has 3 MA's), (Start: 44 @35638 has 10 MA's), (Start: 48 @35647 has 43 MA's), (Start: 88 @35731 has 105 MA's), (102, 35749), (Start: 114 @35767 has 1 MA's), (120, 35776), (174, 35893), (227, 36031),

Gene: JuicyJay_115 Start: 68611, Stop: 68931, Start Num: 81
Candidate Starts for JuicyJay_115:
(Start: 81 @68611 has 31 MA's), (102, 68650), (154, 68749), (173, 68806), (185, 68842), (196, 68872), (214, 68917),

Gene: JuicyJay_131 Start: 75395, Stop: 75754, Start Num: 84
Candidate Starts for JuicyJay_131:
(67, 75368), (Start: 84 @75395 has 37 MA's), (Start: 88 @75404 has 105 MA's), (154, 75536), (159, 75551),

Gene: Kahlid_45 Start: 35362, Stop: 35778, Start Num: 48
Candidate Starts for Kahlid_45:
(Start: 44 @35353 has 10 MA's), (Start: 48 @35362 has 43 MA's), (Start: 88 @35449 has 105 MA's), (102, 35467), (120, 35494), (121, 35497), (154, 35572), (158, 35584), (213, 35692), (227, 35755),

Gene: Kamdara_48 Start: 34881, Stop: 35324, Start Num: 59
Candidate Starts for Kamdara_48:
(8, 34479), (13, 34653), (21, 34734), (Start: 59 @34881 has 40 MA's), (150, 35070), (176, 35142), (224, 35280),

Gene: Kanye_65 Start: 44658, Stop: 45068, Start Num: 82
Candidate Starts for Kanye_65:
(Start: 82 @44658 has 139 MA's), (150, 44799), (168, 44847), (184, 44895), (218, 44988), (225, 45030),

Gene: Kanye_70 Start: 46922, Stop: 47299, Start Num: 88
Candidate Starts for Kanye_70:
(Start: 88 @46922 has 105 MA's), (Start: 92 @46928 has 45 MA's), (130, 47000), (150, 47060), (217, 47231),

Gene: Kanye_77 Start: 49302, Stop: 49637, Start Num: 93
Candidate Starts for Kanye_77:
(18, 49050), (Start: 86 @49287 has 28 MA's), (Start: 93 @49302 has 112 MA's), (112, 49338), (225, 49617),

Gene: KashFlow_110 Start: 62308, Stop: 62631, Start Num: 81
Candidate Starts for KashFlow_110:
(Start: 81 @62308 has 31 MA's), (102, 62347), (139, 62413), (149, 62434), (150, 62437), (159, 62464), (214, 62617),

Gene: KashFlow_131 Start: 71552, Stop: 71905, Start Num: 84
Candidate Starts for KashFlow_131:

(Start: 84 @71552 has 37 MA's), (Start: 88 @71561 has 105 MA's), (215, 71831), (225, 71882),

Gene: Katzastrophic_50 Start: 35170, Stop: 35610, Start Num: 59
Candidate Starts for Katzastrophic_50:
(Start: 59 @35170 has 40 MA's), (150, 35359), (209, 35509),

Gene: Kieran_48 Start: 34884, Stop: 35327, Start Num: 59
Candidate Starts for Kieran_48:
(8, 34482), (13, 34656), (21, 34737), (Start: 59 @34884 has 40 MA's), (150, 35073), (176, 35145), (224, 35283),

Gene: Kimchi_84 Start: 49959, Stop: 50294, Start Num: 93
Candidate Starts for Kimchi_84:
(18, 49707), (Start: 86 @49944 has 28 MA's), (Start: 93 @49959 has 112 MA's), (112, 49995), (225, 50274),

Gene: Kimchi_77 Start: 47579, Stop: 47956, Start Num: 88
Candidate Starts for Kimchi_77:
(Start: 88 @47579 has 105 MA's), (Start: 92 @47585 has 45 MA's), (130, 47657), (150, 47717), (217, 47888),

Gene: Kimchi_72 Start: 45312, Stop: 45722, Start Num: 82
Candidate Starts for Kimchi_72:
(25, 45138), (Start: 82 @45312 has 139 MA's), (150, 45453), (168, 45501), (184, 45549), (218, 45642), (225, 45684),

Gene: Kingsolomon_42 Start: 35730, Stop: 36053, Start Num: 88
Candidate Starts for Kingsolomon_42:
(Start: 42 @35625 has 3 MA's), (Start: 44 @35637 has 10 MA's), (Start: 48 @35646 has 43 MA's), (Start: 88 @35730 has 105 MA's), (102, 35748), (Start: 114 @35766 has 1 MA's), (120, 35775), (174, 35892), (227, 36030),

Gene: KirDoubleO7_40 Start: 35758, Stop: 36081, Start Num: 88
Candidate Starts for KirDoubleO7_40:
(Start: 42 @35650 has 3 MA's), (Start: 44 @35662 has 10 MA's), (Start: 48 @35671 has 43 MA's), (49, 35674), (Start: 88 @35758 has 105 MA's), (102, 35776), (Start: 114 @35794 has 1 MA's), (120, 35803), (174, 35920), (227, 36058),

Gene: Klein_131 Start: 71031, Stop: 71390, Start Num: 84
Candidate Starts for Klein_131:
(67, 71004), (Start: 84 @71031 has 37 MA's), (Start: 88 @71040 has 105 MA's), (154, 71172), (159, 71187), (215, 71316), (217, 71322),

Gene: Kostya_80 Start: 49805, Stop: 50155, Start Num: 86
Candidate Starts for Kostya_80:
(18, 49568), (Start: 86 @49805 has 28 MA's), (Start: 93 @49820 has 112 MA's), (112, 49856), (225, 50135),

Gene: Kostya_73 Start: 47446, Stop: 47817, Start Num: 92
Candidate Starts for Kostya_73:
(Start: 88 @47440 has 105 MA's), (Start: 92 @47446 has 45 MA's), (130, 47518), (150, 47578), (217, 47749),

Gene: Kostya_68 Start: 45176, Stop: 45586, Start Num: 82
Candidate Starts for Kostya_68:
(Start: 82 @45176 has 139 MA's), (150, 45317), (168, 45365), (184, 45413), (218, 45506), (225, 45548),

Gene: Kropertea_43 Start: 34180, Stop: 34599, Start Num: 47
Candidate Starts for Kropertea_43:
(Start: 42 @34165 has 3 MA's), (Start: 44 @34177 has 10 MA's), (Start: 47 @34180 has 5 MA's), (Start: 88 @34270 has 105 MA's), (102, 34288), (120, 34315), (154, 34393), (193, 34465), (227, 34576),

Gene: Krypton555_42 Start: 35542, Stop: 35970, Start Num: 42
Candidate Starts for Krypton555_42:
(Start: 42 @35542 has 3 MA's), (Start: 44 @35554 has 10 MA's), (Start: 48 @35563 has 43 MA's), (Start: 88 @35647 has 105 MA's), (102, 35665), (Start: 114 @35683 has 1 MA's), (120, 35692), (174, 35809), (227, 35947),

Gene: Kudefre_45 Start: 34124, Stop: 34657, Start Num: 33
Candidate Starts for Kudefre_45:
(15, 33998), (16, 34007), (Start: 33 @34124 has 3 MA's), (Start: 35 @34136 has 1 MA's), (99, 34295), (148, 34397), (171, 34448), (186, 34490), (201, 34526),

Gene: Labelle_59 Start: 43035, Stop: 43403, Start Num: 82
Candidate Starts for Labelle_59:
(Start: 82 @43035 has 139 MA's), (95, 43056), (154, 43164), (157, 43173), (194, 43269), (205, 43296),

Gene: LeBron_43 Start: 34037, Stop: 34453, Start Num: 48
Candidate Starts for LeBron_43:
(Start: 42 @34016 has 3 MA's), (Start: 48 @34037 has 43 MA's), (76, 34103), (Start: 88 @34124 has 105 MA's), (102, 34142), (124, 34181), (131, 34193), (154, 34250), (186, 34310), (227, 34430),

Gene: Lewan_45 Start: 35349, Stop: 35765, Start Num: 48
Candidate Starts for Lewan_45:
(Start: 44 @35340 has 10 MA's), (Start: 48 @35349 has 43 MA's), (Start: 88 @35436 has 105 MA's), (102, 35454), (120, 35481), (121, 35484), (154, 35559), (158, 35571), (213, 35679), (227, 35742),

Gene: LilDestine_45 Start: 35354, Stop: 35770, Start Num: 48
Candidate Starts for LilDestine_45:
(Start: 44 @35345 has 10 MA's), (Start: 48 @35354 has 43 MA's), (Start: 88 @35441 has 105 MA's), (102, 35459), (120, 35486), (121, 35489), (154, 35564), (158, 35576), (213, 35684), (227, 35747),

Gene: LilJank_53 Start: 37710, Stop: 38108, Start Num: 64
Candidate Starts for LilJank_53:
(Start: 64 @37710 has 4 MA's), (79, 37740), (99, 37776), (101, 37779), (104, 37785), (113, 37809), (157, 37896), (169, 37917), (179, 37941), (218, 38016), (222, 38040), (239, 38094), (240, 38100),

Gene: LilJank_45 Start: 35208, Stop: 35594, Start Num: 73
Candidate Starts for LilJank_45:
(Start: 66 @35196 has 3 MA's), (Start: 73 @35208 has 1 MA's), (Start: 85 @35226 has 3 MA's), (99, 35259), (138, 35340), (159, 35400), (187, 35451), (222, 35529), (228, 35556), (238, 35577),

Gene: Lilac_82 Start: 49574, Stop: 49906, Start Num: 93
Candidate Starts for Lilac_82:

(18, 49322), (Start: 86 @49559 has 28 MA's), (Start: 93 @49574 has 112 MA's), (112, 49610), (225, 49886),

Gene: Lilac_75 Start: 47197, Stop: 47571, Start Num: 88
Candidate Starts for Lilac_75:
(Start: 88 @47197 has 105 MA's), (Start: 92 @47203 has 45 MA's), (130, 47275), (150, 47335), (217, 47503),

Gene: Lilac_70 Start: 44933, Stop: 45343, Start Num: 82
Candidate Starts for Lilac_70:
(Start: 82 @44933 has 139 MA's), (150, 45074), (168, 45122), (184, 45170), (218, 45263), (225, 45305),

Gene: Lilizi_74 Start: 46910, Stop: 47284, Start Num: 88
Candidate Starts for Lilizi_74:
(Start: 88 @46910 has 105 MA's), (Start: 92 @46916 has 45 MA's), (130, 46988), (150, 47048), (217, 47216),

Gene: Lilizi_69 Start: 44646, Stop: 45056, Start Num: 82
Candidate Starts for Lilizi_69:
(25, 44472), (Start: 82 @44646 has 139 MA's), (150, 44787), (168, 44835), (184, 44883), (218, 44976), (225, 45018),

Gene: Lilizi_81 Start: 49287, Stop: 49619, Start Num: 93
Candidate Starts for Lilizi_81:
(6, 48717), (9, 48834), (18, 49035), (Start: 86 @49272 has 28 MA's), (Start: 93 @49287 has 112 MA's), (112, 49323), (225, 49599),

Gene: Lilpickle_67 Start: 44531, Stop: 44941, Start Num: 82
Candidate Starts for Lilpickle_67:
(Start: 82 @44531 has 139 MA's), (150, 44672), (168, 44720), (184, 44768), (218, 44861), (225, 44903),

Gene: Lilpickle_72 Start: 46795, Stop: 47169, Start Num: 88
Candidate Starts for Lilpickle_72:
(Start: 88 @46795 has 105 MA's), (Start: 92 @46801 has 45 MA's), (130, 46873), (150, 46933), (217, 47101),

Gene: Lilpickle_79 Start: 49172, Stop: 49507, Start Num: 93
Candidate Starts for Lilpickle_79:
(18, 48920), (Start: 86 @49157 has 28 MA's), (Start: 93 @49172 has 112 MA's), (112, 49208), (225, 49487),

Gene: LittleE_136 Start: 72806, Stop: 73159, Start Num: 84
Candidate Starts for LittleE_136:
(Start: 84 @72806 has 37 MA's), (Start: 88 @72815 has 105 MA's),

Gene: LittleE_118 Start: 65723, Stop: 66046, Start Num: 81
Candidate Starts for LittleE_118:
(Start: 81 @65723 has 31 MA's), (102, 65762), (139, 65828), (149, 65849), (150, 65852), (159, 65879), (214, 66032),

Gene: Livelaughbron_75 Start: 48379, Stop: 48747, Start Num: 92

Candidate Starts for Livelaughbron_75:
(Start: 88 @48373 has 105 MA's), (Start: 92 @48379 has 45 MA's), (130, 48451), (150, 48511), (217, 48679),

Gene: Livelaughbron_82 Start: 50750, Stop: 51082, Start Num: 93
Candidate Starts for Livelaughbron_82:
(18, 50498), (Start: 86 @50735 has 28 MA's), (Start: 93 @50750 has 112 MA's), (112, 50786), (225, 51062),

Gene: Livelaughbron_70 Start: 46109, Stop: 46519, Start Num: 82
Candidate Starts for Livelaughbron_70:
(Start: 82 @46109 has 139 MA's), (150, 46250), (168, 46298), (184, 46346), (218, 46439), (225, 46481),

Gene: LiyuLake_42 Start: 35720, Stop: 36043, Start Num: 88
Candidate Starts for LiyuLake_42:
(Start: 42 @35612 has 3 MA's), (Start: 44 @35624 has 10 MA's), (Start: 48 @35633 has 43 MA's), (49, 35636), (Start: 88 @35720 has 105 MA's), (102, 35738), (Start: 114 @35756 has 1 MA's), (120, 35765), (174, 35882), (227, 36020),

Gene: Loadrie_44 Start: 35379, Stop: 35804, Start Num: 44
Candidate Starts for Loadrie_44:
(Start: 44 @35379 has 10 MA's), (Start: 48 @35388 has 43 MA's), (Start: 88 @35475 has 105 MA's), (102, 35493), (120, 35520), (121, 35523), (154, 35598), (158, 35610), (213, 35718), (227, 35781),

Gene: Lolly9_42 Start: 35541, Stop: 35864, Start Num: 88
Candidate Starts for Lolly9_42:
(Start: 42 @35436 has 3 MA's), (Start: 48 @35457 has 43 MA's), (Start: 88 @35541 has 105 MA's), (102, 35559), (Start: 114 @35577 has 1 MA's), (120, 35586), (174, 35703), (227, 35841),

Gene: Loviatar_52 Start: 36204, Stop: 36644, Start Num: 59
Candidate Starts for Loviatar_52:
(Start: 59 @36204 has 40 MA's), (79, 36252), (150, 36390), (175, 36453), (178, 36465), (195, 36507), (219, 36576),

Gene: Lucky2013_128 Start: 69682, Stop: 70035, Start Num: 84
Candidate Starts for Lucky2013_128:
(Start: 84 @69682 has 37 MA's), (Start: 88 @69691 has 105 MA's), (215, 69961), (225, 70012),

Gene: Lucky2013_110 Start: 61874, Stop: 62194, Start Num: 81
Candidate Starts for Lucky2013_110:
(Start: 81 @61874 has 31 MA's), (102, 61913), (154, 62012), (173, 62069), (185, 62105), (196, 62135), (214, 62180),

Gene: Lumos_42 Start: 35643, Stop: 36050, Start Num: 48
Candidate Starts for Lumos_42:
(Start: 42 @35622 has 3 MA's), (Start: 44 @35634 has 10 MA's), (Start: 48 @35643 has 43 MA's), (Start: 88 @35727 has 105 MA's), (102, 35745), (Start: 114 @35763 has 1 MA's), (120, 35772), (174, 35889), (227, 36027),

Gene: Lupine_106 Start: 57058, Stop: 56648, Start Num: 75
Candidate Starts for Lupine_106:
(Start: 75 @57058 has 7 MA's), (99, 57016), (132, 56956), (153, 56896), (171, 56854), (211, 56752),

Gene: Lyell_106 Start: 55834, Stop: 55397, Start Num: 59
Candidate Starts for Lyell_106:
(4, 56371), (7, 56248), (10, 56197), (19, 56005), (40, 55885), (Start: 59 @55834 has 40 MA's), (Start: 66 @55810 has 3 MA's), (77, 55789), (132, 55693), (136, 55681), (137, 55678), (152, 55636), (164, 55606), (175, 55573),

Gene: Lynnae_45 Start: 35432, Stop: 35761, Start Num: 88
Candidate Starts for Lynnae_45:
(Start: 44 @35336 has 10 MA's), (Start: 48 @35345 has 43 MA's), (Start: 88 @35432 has 105 MA's), (102, 35450), (120, 35477), (121, 35480), (154, 35555), (158, 35567), (213, 35675), (227, 35738),

Gene: MAckerman_43 Start: 34117, Stop: 34446, Start Num: 88
Candidate Starts for MAckerman_43:
(Start: 42 @34009 has 3 MA's), (Start: 48 @34030 has 43 MA's), (76, 34096), (Start: 88 @34117 has 105 MA's), (102, 34135), (124, 34174), (131, 34186), (154, 34243), (186, 34303), (227, 34423),

Gene: MISSy_74 Start: 47301, Stop: 47675, Start Num: 88
Candidate Starts for MISSy_74:
(Start: 88 @47301 has 105 MA's), (Start: 92 @47307 has 45 MA's), (130, 47379), (150, 47439), (217, 47607),

Gene: MISSy_81 Start: 49663, Stop: 50013, Start Num: 86
Candidate Starts for MISSy_81:
(18, 49426), (Start: 86 @49663 has 28 MA's), (Start: 93 @49678 has 112 MA's), (112, 49714), (225, 49993),

Gene: MISSy_69 Start: 45034, Stop: 45447, Start Num: 82
Candidate Starts for MISSy_69:
(25, 44860), (Start: 82 @45034 has 139 MA's), (150, 45175), (168, 45223), (184, 45271), (218, 45364), (233, 45427),

Gene: MPhalcon_69 Start: 45027, Stop: 45440, Start Num: 82
Candidate Starts for MPhalcon_69:
(25, 44853), (Start: 82 @45027 has 139 MA's), (150, 45168), (168, 45216), (184, 45264), (218, 45357), (233, 45420),

Gene: MPhalcon_74 Start: 47294, Stop: 47668, Start Num: 88
Candidate Starts for MPhalcon_74:
(Start: 88 @47294 has 105 MA's), (Start: 92 @47300 has 45 MA's), (130, 47372), (150, 47432), (217, 47600),

Gene: MPhalcon_81 Start: 49671, Stop: 50006, Start Num: 93
Candidate Starts for MPhalcon_81:
(18, 49419), (Start: 86 @49656 has 28 MA's), (Start: 93 @49671 has 112 MA's), (112, 49707), (225, 49986),

Gene: MadamMonkfish_68 Start: 44255, Stop: 44665, Start Num: 82
Candidate Starts for MadamMonkfish_68:
(25, 44081), (Start: 82 @44255 has 139 MA's), (150, 44396), (168, 44444), (184, 44492), (218, 44585), (225, 44627),

Gene: MadamMonkfish_80 Start: 48896, Stop: 49234, Start Num: 93

Candidate Starts for MadamMonkfish_80:
(18, 48644), (Start: 86 @48881 has 28 MA's), (Start: 93 @48896 has 112 MA's), (112, 48932), (225, 49214),

Gene: MadamMonkfish_73 Start: 46525, Stop: 46893, Start Num: 92
Candidate Starts for MadamMonkfish_73:
(Start: 88 @46519 has 105 MA's), (Start: 92 @46525 has 45 MA's), (130, 46597), (150, 46657), (217, 46825),

Gene: Madruga_58 Start: 42688, Stop: 43056, Start Num: 82
Candidate Starts for Madruga_58:
(Start: 82 @42688 has 139 MA's), (154, 42817), (157, 42826), (194, 42922), (205, 42949),

Gene: Manda_74 Start: 48378, Stop: 48755, Start Num: 88
Candidate Starts for Manda_74:
(Start: 88 @48378 has 105 MA's), (Start: 92 @48384 has 45 MA's), (130, 48456), (150, 48516), (217, 48687),

Gene: Manda_68 Start: 45536, Stop: 45946, Start Num: 82
Candidate Starts for Manda_68:
(Start: 82 @45536 has 139 MA's), (150, 45677), (168, 45725), (184, 45773), (218, 45866), (225, 45908),

Gene: Manda_81 Start: 50758, Stop: 51093, Start Num: 93
Candidate Starts for Manda_81:
(18, 50506), (Start: 86 @50743 has 28 MA's), (Start: 93 @50758 has 112 MA's), (112, 50794), (225, 51073),

Gene: Margaret_67 Start: 43929, Stop: 44381, Start Num: 56
Candidate Starts for Margaret_67:
(Start: 56 @43929 has 4 MA's), (Start: 82 @43968 has 139 MA's), (89, 43980), (105, 44016), (115, 44031), (133, 44073), (139, 44091), (154, 44133), (159, 44148), (161, 44154), (212, 44274), (219, 44298), (222, 44316), (235, 44361),

Gene: Marleymoo_119 Start: 70106, Stop: 70465, Start Num: 84
Candidate Starts for Marleymoo_119:
(67, 70079), (Start: 84 @70106 has 37 MA's), (Start: 88 @70115 has 105 MA's), (154, 70247), (159, 70262),

Gene: Marshmallow_71 Start: 48077, Stop: 48448, Start Num: 92
Candidate Starts for Marshmallow_71:
(Start: 88 @48071 has 105 MA's), (Start: 92 @48077 has 45 MA's), (130, 48149), (150, 48209), (217, 48380),

Gene: Marshmallow_78 Start: 50436, Stop: 50783, Start Num: 86
Candidate Starts for Marshmallow_78:
(18, 50199), (Start: 86 @50436 has 28 MA's), (Start: 93 @50451 has 112 MA's), (112, 50487), (225, 50763),

Gene: Marshmallow_66 Start: 45804, Stop: 46214, Start Num: 82
Candidate Starts for Marshmallow_66:
(Start: 82 @45804 has 139 MA's), (150, 45945), (168, 45993), (184, 46041), (218, 46134), (225, 46176),

Gene: Maxxinista_82 Start: 49547, Stop: 49879, Start Num: 93
Candidate Starts for Maxxinista_82:
(18, 49295), (Start: 86 @49532 has 28 MA's), (Start: 93 @49547 has 112 MA's), (112, 49583), (225, 49859),

Gene: Maxxinista_70 Start: 44906, Stop: 45316, Start Num: 82
Candidate Starts for Maxxinista_70:
(Start: 82 @44906 has 139 MA's), (150, 45047), (168, 45095), (184, 45143), (218, 45236), (225, 45278),

Gene: Maxxinista_75 Start: 47176, Stop: 47544, Start Num: 92
Candidate Starts for Maxxinista_75:
(Start: 88 @47170 has 105 MA's), (Start: 92 @47176 has 45 MA's), (130, 47248), (150, 47308), (217, 47476),

Gene: MiaZeal_133 Start: 70821, Stop: 71174, Start Num: 84
Candidate Starts for MiaZeal_133:
(Start: 84 @70821 has 37 MA's), (Start: 88 @70830 has 105 MA's), (215, 71100), (225, 71151),

Gene: MiaZeal_113 Start: 62505, Stop: 62825, Start Num: 81
Candidate Starts for MiaZeal_113:
(Start: 81 @62505 has 31 MA's), (102, 62544), (154, 62643), (173, 62700), (185, 62736), (196, 62766), (214, 62811),

Gene: Miley16_45 Start: 35347, Stop: 35772, Start Num: 44
Candidate Starts for Miley16_45:
(Start: 44 @35347 has 10 MA's), (Start: 48 @35356 has 43 MA's), (Start: 88 @35443 has 105 MA's), (102, 35461), (120, 35488), (121, 35491), (154, 35566), (158, 35578), (213, 35686), (227, 35749),

Gene: Mindy_72 Start: 46383, Stop: 46760, Start Num: 88
Candidate Starts for Mindy_72:
(Start: 88 @46383 has 105 MA's), (Start: 92 @46389 has 45 MA's), (130, 46461), (150, 46521), (217, 46692),

Gene: Mindy_79 Start: 48763, Stop: 49095, Start Num: 93
Candidate Starts for Mindy_79:
(18, 48511), (Start: 86 @48748 has 28 MA's), (Start: 93 @48763 has 112 MA's), (112, 48799), (225, 49075),

Gene: Mindy_67 Start: 44119, Stop: 44529, Start Num: 82
Candidate Starts for Mindy_67:
(25, 43945), (Start: 82 @44119 has 139 MA's), (132, 44215), (150, 44260), (168, 44308), (184, 44356), (218, 44449), (225, 44491),

Gene: Minerva_133 Start: 72481, Stop: 72840, Start Num: 84
Candidate Starts for Minerva_133:
(67, 72454), (Start: 84 @72481 has 37 MA's), (Start: 88 @72490 has 105 MA's), (154, 72622), (159, 72637), (215, 72766), (217, 72772),

Gene: Minerva_116 Start: 65898, Stop: 66218, Start Num: 81
Candidate Starts for Minerva_116:
(Start: 81 @65898 has 31 MA's), (102, 65937), (173, 66093), (185, 66129), (196, 66159), (214, 66204),

Gene: MiniLon_42 Start: 35458, Stop: 35865, Start Num: 48
Candidate Starts for MiniLon_42:
(Start: 42 @35437 has 3 MA's), (Start: 48 @35458 has 43 MA's), (Start: 88 @35542 has 105 MA's), (102, 35560), (Start: 114 @35578 has 1 MA's), (120, 35587), (174, 35704), (227, 35842),

Gene: MiniMac_42 Start: 35455, Stop: 35862, Start Num: 48
Candidate Starts for MiniMac_42:
(Start: 42 @35434 has 3 MA's), (Start: 48 @35455 has 43 MA's), (Start: 88 @35539 has 105 MA's), (102, 35557), (Start: 114 @35575 has 1 MA's), (120, 35584), (174, 35701), (227, 35839),

Gene: Miniwave_63 Start: 44572, Stop: 44982, Start Num: 82
Candidate Starts for Miniwave_63:
(Start: 82 @44572 has 139 MA's), (150, 44713), (168, 44761), (184, 44809), (218, 44902), (225, 44944),

Gene: Miniwave_68 Start: 46836, Stop: 47213, Start Num: 88
Candidate Starts for Miniwave_68:
(Start: 88 @46836 has 105 MA's), (Start: 92 @46842 has 45 MA's), (130, 46914), (150, 46974), (217, 47145),

Gene: Miniwave_75 Start: 49216, Stop: 49551, Start Num: 93
Candidate Starts for Miniwave_75:
(18, 48964), (Start: 86 @49201 has 28 MA's), (Start: 93 @49216 has 112 MA's), (112, 49252), (177, 49393), (197, 49432), (211, 49468), (212, 49471), (218, 49489), (225, 49531),

Gene: Misfit_81 Start: 50690, Stop: 51025, Start Num: 93
Candidate Starts for Misfit_81:
(18, 50438), (Start: 86 @50675 has 28 MA's), (Start: 93 @50690 has 112 MA's), (112, 50726), (225, 51005),

Gene: Misfit_69 Start: 46046, Stop: 46459, Start Num: 82
Candidate Starts for Misfit_69:
(25, 45872), (Start: 82 @46046 has 139 MA's), (150, 46187), (168, 46235), (184, 46283), (218, 46376), (233, 46439),

Gene: Misfit_74 Start: 48313, Stop: 48687, Start Num: 88
Candidate Starts for Misfit_74:
(Start: 88 @48313 has 105 MA's), (Start: 92 @48319 has 45 MA's), (130, 48391), (150, 48451), (217, 48619),

Gene: Mistmere_103 Start: 54853, Stop: 54416, Start Num: 59
Candidate Starts for Mistmere_103:
(11, 55114), (Start: 59 @54853 has 40 MA's), (77, 54808), (132, 54709), (136, 54697), (150, 54658), (164, 54622), (167, 54613),

Gene: MkaliMitinis3_45 Start: 35358, Stop: 35774, Start Num: 48
Candidate Starts for MkaliMitinis3_45:
(Start: 44 @35349 has 10 MA's), (Start: 48 @35358 has 43 MA's), (Start: 88 @35445 has 105 MA's), (102, 35463), (120, 35490), (121, 35493), (154, 35568), (158, 35580), (213, 35688), (227, 35751),

Gene: Moldemort_76 Start: 47395, Stop: 47772, Start Num: 88
Candidate Starts for Moldemort_76:

(Start: 88 @47395 has 105 MA's), (Start: 92 @47401 has 45 MA's), (130, 47473), (150, 47533), (217, 47704),

Gene: Moldemort_71 Start: 45128, Stop: 45538, Start Num: 82
Candidate Starts for Moldemort_71:
(25, 44954), (Start: 82 @45128 has 139 MA's), (132, 45224), (150, 45269), (168, 45317), (184, 45365), (218, 45458), (225, 45500),

Gene: Moldemort_83 Start: 49775, Stop: 50107, Start Num: 93
Candidate Starts for Moldemort_83:
(18, 49523), (Start: 86 @49760 has 28 MA's), (Start: 93 @49775 has 112 MA's), (112, 49811), (225, 50087),

Gene: Molivier_45 Start: 35440, Stop: 35769, Start Num: 88
Candidate Starts for Molivier_45:
(Start: 44 @35344 has 10 MA's), (Start: 48 @35353 has 43 MA's), (Start: 88 @35440 has 105 MA's), (102, 35458), (120, 35485), (121, 35488), (154, 35563), (158, 35575), (213, 35683), (227, 35746),

Gene: MollyToe_63 Start: 43876, Stop: 44289, Start Num: 82
Candidate Starts for MollyToe_63:
(25, 43702), (Start: 82 @43876 has 139 MA's), (150, 44017), (166, 44059), (203, 44167), (218, 44206), (233, 44269),

Gene: MollyToe_68 Start: 46152, Stop: 46514, Start Num: 92
Candidate Starts for MollyToe_68:
(Start: 88 @46146 has 105 MA's), (Start: 92 @46152 has 45 MA's), (130, 46224), (217, 46446),

Gene: MollyToe_75 Start: 48517, Stop: 48852, Start Num: 93
Candidate Starts for MollyToe_75:
(18, 48265), (Start: 86 @48502 has 28 MA's), (Start: 93 @48517 has 112 MA's), (112, 48553), (136, 48607), (197, 48733), (211, 48769), (212, 48772), (218, 48790), (225, 48832),

Gene: Moostard_42 Start: 35732, Stop: 36055, Start Num: 88
Candidate Starts for Moostard_42:
(Start: 42 @35627 has 3 MA's), (Start: 44 @35639 has 10 MA's), (Start: 48 @35648 has 43 MA's), (Start: 88 @35732 has 105 MA's), (102, 35750), (Start: 114 @35768 has 1 MA's), (120, 35777), (174, 35894), (227, 36032),

Gene: Mosby_76 Start: 48973, Stop: 49308, Start Num: 93
Candidate Starts for Mosby_76:
(18, 48721), (Start: 86 @48958 has 28 MA's), (Start: 93 @48973 has 112 MA's), (112, 49009), (225, 49288),

Gene: Mosby_64 Start: 44329, Stop: 44742, Start Num: 82
Candidate Starts for Mosby_64:
(25, 44155), (Start: 82 @44329 has 139 MA's), (150, 44470), (168, 44518), (184, 44566), (218, 44659), (233, 44722),

Gene: Mosby_69 Start: 46596, Stop: 46970, Start Num: 88
Candidate Starts for Mosby_69:
(Start: 88 @46596 has 105 MA's), (Start: 92 @46602 has 45 MA's), (130, 46674), (150, 46734), (217, 46902),

Gene: MsGreen_42 Start: 35625, Stop: 36053, Start Num: 42
Candidate Starts for MsGreen_42:
(Start: 42 @35625 has 3 MA's), (Start: 44 @35637 has 10 MA's), (Start: 48 @35646 has 43 MA's), (Start: 88 @35730 has 105 MA's), (102, 35748), (Start: 114 @35766 has 1 MA's), (120, 35775), (174, 35892), (227, 36030),

Gene: Murica_76 Start: 48251, Stop: 48619, Start Num: 92
Candidate Starts for Murica_76:
(Start: 88 @48245 has 105 MA's), (Start: 92 @48251 has 45 MA's), (130, 48323), (150, 48383), (217, 48551),

Gene: Murica_71 Start: 45981, Stop: 46391, Start Num: 82
Candidate Starts for Murica_71:
(Start: 82 @45981 has 139 MA's), (150, 46122), (168, 46170), (184, 46218), (218, 46311), (225, 46353),

Gene: Murica_83 Start: 50622, Stop: 50954, Start Num: 93
Candidate Starts for Murica_83:
(Start: 86 @50607 has 28 MA's), (Start: 93 @50622 has 112 MA's), (112, 50658), (225, 50934),

Gene: Murphy_68 Start: 45418, Stop: 45828, Start Num: 82
Candidate Starts for Murphy_68:
(Start: 82 @45418 has 139 MA's), (150, 45559), (168, 45607), (184, 45655), (218, 45748), (225, 45790),

Gene: Murphy_80 Start: 50059, Stop: 50391, Start Num: 93
Candidate Starts for Murphy_80:
(18, 49807), (Start: 86 @50044 has 28 MA's), (Start: 93 @50059 has 112 MA's), (112, 50095), (225, 50371),

Gene: Murphy_73 Start: 47688, Stop: 48056, Start Num: 92
Candidate Starts for Murphy_73:
(Start: 88 @47682 has 105 MA's), (Start: 92 @47688 has 45 MA's), (130, 47760), (150, 47820), (217, 47988),

Gene: Musetta_105 Start: 56187, Stop: 55750, Start Num: 59
Candidate Starts for Musetta_105:
(1, 56811), (2, 56784), (3, 56763), (5, 56715), (7, 56601), (10, 56550), (19, 56358), (40, 56238), (Start: 59 @56187 has 40 MA's), (Start: 66 @56163 has 3 MA's), (77, 56142), (132, 56046), (136, 56034), (137, 56031), (152, 55989), (164, 55959), (175, 55926),

Gene: Myrale_73 Start: 47936, Stop: 48313, Start Num: 88
Candidate Starts for Myrale_73:
(Start: 88 @47936 has 105 MA's), (Start: 92 @47942 has 45 MA's), (130, 48014), (150, 48074), (217, 48245),

Gene: Myrale_80 Start: 50316, Stop: 50651, Start Num: 93
Candidate Starts for Myrale_80:
(18, 50064), (Start: 86 @50301 has 28 MA's), (Start: 93 @50316 has 112 MA's), (112, 50352), (177, 50493), (197, 50532), (211, 50568), (212, 50571), (218, 50589), (225, 50631),

Gene: Myrale_68 Start: 45669, Stop: 46079, Start Num: 82
Candidate Starts for Myrale_68:

(Start: 82 @45669 has 139 MA's), (150, 45810), (168, 45858), (184, 45906), (218, 45999), (225, 46041),

Gene: Nala_75 Start: 47812, Stop: 48177, Start Num: 92
Candidate Starts for Nala_75:
(Start: 88 @47806 has 105 MA's), (Start: 92 @47812 has 45 MA's), (130, 47884), (150, 47938), (217, 48109),

Gene: Nala_70 Start: 45539, Stop: 45952, Start Num: 82
Candidate Starts for Nala_70:
(25, 45365), (Start: 82 @45539 has 139 MA's), (150, 45680), (168, 45728), (184, 45776), (218, 45869), (233, 45932),

Gene: Nala_82 Start: 50180, Stop: 50515, Start Num: 93
Candidate Starts for Nala_82:
(6, 49610), (9, 49727), (18, 49928), (Start: 86 @50165 has 28 MA's), (Start: 93 @50180 has 112 MA's), (112, 50216), (225, 50495),

Gene: Necrophoxinus_109 Start: 56843, Stop: 56406, Start Num: 59
Candidate Starts for Necrophoxinus_109:
(Start: 59 @56843 has 40 MA's), (Start: 66 @56819 has 3 MA's), (77, 56798), (132, 56702), (136, 56690), (137, 56687), (152, 56645), (164, 56615), (175, 56582),

Gene: Nekros_136 Start: 74272, Stop: 74625, Start Num: 84
Candidate Starts for Nekros_136:
(Start: 84 @74272 has 37 MA's), (Start: 88 @74281 has 105 MA's), (215, 74551),

Gene: Nekros_115 Start: 65028, Stop: 65351, Start Num: 81
Candidate Starts for Nekros_115:
(Start: 81 @65028 has 31 MA's), (102, 65067), (139, 65133), (149, 65154), (150, 65157), (159, 65184), (214, 65337),

Gene: NelitzaMV_66 Start: 44618, Stop: 45028, Start Num: 82
Candidate Starts for NelitzaMV_66:
(Start: 82 @44618 has 139 MA's), (150, 44759), (168, 44807), (184, 44855), (218, 44948), (225, 44990),

Gene: NelitzaMV_78 Start: 49247, Stop: 49597, Start Num: 86
Candidate Starts for NelitzaMV_78:
(18, 49010), (Start: 86 @49247 has 28 MA's), (Start: 93 @49262 has 112 MA's), (112, 49298), (225, 49577),

Gene: NelitzaMV_71 Start: 46888, Stop: 47259, Start Num: 92
Candidate Starts for NelitzaMV_71:
(Start: 88 @46882 has 105 MA's), (Start: 92 @46888 has 45 MA's), (130, 46960), (150, 47020), (217, 47191),

Gene: Netyap_45 Start: 35356, Stop: 35772, Start Num: 48
Candidate Starts for Netyap_45:
(Start: 44 @35347 has 10 MA's), (Start: 48 @35356 has 43 MA's), (Start: 88 @35443 has 105 MA's), (102, 35461), (120, 35488), (121, 35491), (154, 35566), (158, 35578), (213, 35686), (227, 35749),

Gene: Neville_54 Start: 37372, Stop: 37770, Start Num: 64

Candidate Starts for Neville_54:
(Start: 64 @37372 has 4 MA's), (79, 37402), (99, 37438), (101, 37441), (104, 37447), (113, 37471), (157, 37558), (169, 37579), (179, 37603), (218, 37678), (222, 37702), (239, 37756), (240, 37762),

Gene: Neville_46 Start: 34837, Stop: 35271, Start Num: 66
Candidate Starts for Neville_46:
(Start: 66 @34837 has 3 MA's), (Start: 73 @34849 has 1 MA's), (Start: 85 @34867 has 3 MA's), (99, 34900), (136, 34981), (160, 35050), (218, 35149), (221, 35167), (223, 35182), (225, 35191), (229, 35206),

Gene: Nibley_106 Start: 61896, Stop: 62219, Start Num: 81
Candidate Starts for Nibley_106:
(Start: 81 @61896 has 31 MA's), (102, 61935), (139, 62001), (149, 62022), (150, 62025), (159, 62052), (214, 62205),

Gene: Nibley_130 Start: 70806, Stop: 71159, Start Num: 84
Candidate Starts for Nibley_130:
(Start: 84 @70806 has 37 MA's), (Start: 88 @70815 has 105 MA's), (154, 70941), (215, 71085),

Gene: NiceHouse_173 Start: 98723, Stop: 99082, Start Num: 87
Candidate Starts for NiceHouse_173:
(62, 98672), (Start: 87 @98723 has 1 MA's), (102, 98753), (149, 98870), (165, 98912), (227, 99053),

Gene: NiceHouse_172 Start: 98331, Stop: 98723, Start Num: 70
Candidate Starts for NiceHouse_172:
(Start: 70 @98331 has 1 MA's), (Start: 93 @98373 has 112 MA's), (95, 98376), (128, 98448),

Gene: Nicholas_42 Start: 35730, Stop: 36053, Start Num: 88
Candidate Starts for Nicholas_42:
(Start: 42 @35625 has 3 MA's), (Start: 44 @35637 has 10 MA's), (Start: 48 @35646 has 43 MA's), (Start: 88 @35730 has 105 MA's), (102, 35748), (Start: 114 @35766 has 1 MA's), (120, 35775), (174, 35892), (227, 36030),

Gene: Nicholasp3_45 Start: 35348, Stop: 35773, Start Num: 44
Candidate Starts for Nicholasp3_45:
(Start: 44 @35348 has 10 MA's), (Start: 48 @35357 has 43 MA's), (Start: 88 @35444 has 105 MA's), (102, 35462), (120, 35489), (121, 35492), (154, 35567), (158, 35579), (213, 35687), (227, 35750),

Gene: NihilNomen_136 Start: 73340, Stop: 73699, Start Num: 84
Candidate Starts for NihilNomen_136:
(67, 73313), (Start: 84 @73340 has 37 MA's), (Start: 88 @73349 has 105 MA's), (154, 73481), (159, 73496),

Gene: NihilNomen_120 Start: 66563, Stop: 66883, Start Num: 81
Candidate Starts for NihilNomen_120:
(Start: 81 @66563 has 31 MA's), (102, 66602), (154, 66701), (173, 66758), (185, 66794), (196, 66824), (214, 66869),

Gene: Nimrod_74 Start: 48509, Stop: 48880, Start Num: 92
Candidate Starts for Nimrod_74:
(Start: 88 @48503 has 105 MA's), (Start: 92 @48509 has 45 MA's), (130, 48581), (150, 48641), (217, 48812),

Gene: Nimrod_69 Start: 46236, Stop: 46649, Start Num: 82
Candidate Starts for Nimrod_69:
(25, 46062), (Start: 82 @46236 has 139 MA's), (150, 46377), (168, 46425), (184, 46473), (218, 46566), (233, 46629),

Gene: Nimrod_81 Start: 50883, Stop: 51218, Start Num: 93
Candidate Starts for Nimrod_81:
(6, 50313), (9, 50430), (18, 50631), (Start: 86 @50868 has 28 MA's), (Start: 93 @50883 has 112 MA's), (112, 50919), (225, 51198),

Gene: NoSleep_74 Start: 47140, Stop: 47514, Start Num: 88
Candidate Starts for NoSleep_74:
(Start: 88 @47140 has 105 MA's), (Start: 92 @47146 has 45 MA's), (130, 47218), (150, 47278), (217, 47446),

Gene: NoSleep_69 Start: 44876, Stop: 45286, Start Num: 82
Candidate Starts for NoSleep_69:
(Start: 82 @44876 has 139 MA's), (150, 45017), (168, 45065), (184, 45113), (218, 45206), (225, 45248),

Gene: NoSleep_81 Start: 49517, Stop: 49852, Start Num: 93
Candidate Starts for NoSleep_81:
(18, 49265), (Start: 86 @49502 has 28 MA's), (Start: 93 @49517 has 112 MA's), (112, 49553), (225, 49832),

Gene: NonchalantPear_80 Start: 49370, Stop: 49708, Start Num: 93
Candidate Starts for NonchalantPear_80:
(18, 49118), (Start: 86 @49355 has 28 MA's), (Start: 93 @49370 has 112 MA's), (112, 49406), (225, 49688),

Gene: NonchalantPear_68 Start: 44726, Stop: 45136, Start Num: 82
Candidate Starts for NonchalantPear_68:
(25, 44552), (Start: 82 @44726 has 139 MA's), (150, 44867), (168, 44915), (184, 44963), (218, 45056), (225, 45098),

Gene: NonchalantPear_73 Start: 46996, Stop: 47367, Start Num: 92
Candidate Starts for NonchalantPear_73:
(Start: 88 @46990 has 105 MA's), (Start: 92 @46996 has 45 MA's), (130, 47068), (150, 47128), (217, 47299),

Gene: Octobien14_47 Start: 34822, Stop: 35292, Start Num: 35
Candidate Starts for Octobien14_47:
(22, 34765), (24, 34783), (Start: 35 @34822 has 1 MA's), (61, 34867), (67, 34879), (119, 34957), (171, 35053), (225, 35221),

Gene: Odette_138 Start: 74911, Stop: 75270, Start Num: 84
Candidate Starts for Odette_138:
(67, 74884), (Start: 84 @74911 has 37 MA's), (Start: 88 @74920 has 105 MA's), (154, 75052), (159, 75067), (215, 75196), (217, 75202),

Gene: Odette_120 Start: 66457, Stop: 66777, Start Num: 81
Candidate Starts for Odette_120:

(Start: 81 @66457 has 31 MA's), (102, 66496), (154, 66595), (173, 66652), (185, 66688), (196, 66718), (214, 66763),

Gene: OhShagHennessy_42 Start: 33983, Stop: 34399, Start Num: 48
Candidate Starts for OhShagHennessy_42:
(Start: 42 @33962 has 3 MA's), (Start: 48 @33983 has 43 MA's), (76, 34049), (Start: 88 @34070 has 105 MA's), (102, 34088), (124, 34127), (131, 34139), (154, 34196), (186, 34256), (227, 34376),

Gene: OlinDD_107 Start: 58261, Stop: 57875, Start Num: 57
Candidate Starts for OlinDD_107:
(27, 58354), (36, 58318), (45, 58285), (55, 58264), (Start: 57 @58261 has 7 MA's), (Start: 93 @58180 has 112 MA's), (109, 58162), (136, 58108), (145, 58084), (170, 58012), (181, 57976), (191, 57958),

Gene: Omega_143 Start: 74487, Stop: 74840, Start Num: 84
Candidate Starts for Omega_143:
(Start: 84 @74487 has 37 MA's), (Start: 88 @74496 has 105 MA's),

Gene: Omega_124 Start: 66872, Stop: 67195, Start Num: 81
Candidate Starts for Omega_124:
(Start: 81 @66872 has 31 MA's), (102, 66911), (139, 66977), (149, 66998), (150, 67001), (159, 67028), (214, 67181),

Gene: OrionPax_67 Start: 44624, Stop: 45034, Start Num: 82
Candidate Starts for OrionPax_67:
(Start: 82 @44624 has 139 MA's), (150, 44765), (168, 44813), (184, 44861), (218, 44954), (225, 44996),

Gene: OrionPax_72 Start: 46894, Stop: 47265, Start Num: 92
Candidate Starts for OrionPax_72:
(Start: 88 @46888 has 105 MA's), (Start: 92 @46894 has 45 MA's), (130, 46966), (150, 47026), (187, 47125), (217, 47197),

Gene: OrionPax_79 Start: 49268, Stop: 49603, Start Num: 93
Candidate Starts for OrionPax_79:
(18, 49016), (Start: 86 @49253 has 28 MA's), (Start: 93 @49268 has 112 MA's), (112, 49304), (225, 49583),

Gene: OverPar_45 Start: 35388, Stop: 35804, Start Num: 48
Candidate Starts for OverPar_45:
(Start: 44 @35379 has 10 MA's), (Start: 48 @35388 has 43 MA's), (Start: 88 @35475 has 105 MA's), (102, 35493), (120, 35520), (121, 35523), (154, 35598), (158, 35610), (213, 35718), (227, 35781),

Gene: PYPDinur_41 Start: 34231, Stop: 34560, Start Num: 88
Candidate Starts for PYPDinur_41:
(Start: 42 @34126 has 3 MA's), (Start: 44 @34138 has 10 MA's), (Start: 47 @34141 has 5 MA's), (Start: 88 @34231 has 105 MA's), (102, 34249), (120, 34276), (121, 34279), (154, 34354), (158, 34366), (213, 34474), (227, 34537), (232, 34552),

Gene: PaddyBaddy_73 Start: 46900, Stop: 47268, Start Num: 92
Candidate Starts for PaddyBaddy_73:
(Start: 88 @46894 has 105 MA's), (Start: 92 @46900 has 45 MA's), (130, 46972), (150, 47032), (217, 47200),

Gene: PaddyBaddy_68 Start: 44630, Stop: 45040, Start Num: 82
Candidate Starts for PaddyBaddy_68:
(Start: 82 @44630 has 139 MA's), (150, 44771), (168, 44819), (184, 44867), (218, 44960), (225, 45002),

Gene: PaddyBaddy_80 Start: 49271, Stop: 49603, Start Num: 93
Candidate Starts for PaddyBaddy_80:
(18, 49019), (Start: 86 @49256 has 28 MA's), (Start: 93 @49271 has 112 MA's), (112, 49307), (225, 49583),

Gene: Palpatine_82 Start: 50649, Stop: 50981, Start Num: 93
Candidate Starts for Palpatine_82:
(18, 50397), (Start: 86 @50634 has 28 MA's), (Start: 93 @50649 has 112 MA's), (112, 50685), (225, 50961),

Gene: Palpatine_75 Start: 48272, Stop: 48646, Start Num: 88
Candidate Starts for Palpatine_75:
(Start: 88 @48272 has 105 MA's), (Start: 92 @48278 has 45 MA's), (130, 48350), (150, 48410), (217, 48578),

Gene: Palpatine_70 Start: 46008, Stop: 46418, Start Num: 82
Candidate Starts for Palpatine_70:
(Start: 82 @46008 has 139 MA's), (150, 46149), (168, 46197), (184, 46245), (218, 46338), (225, 46380),

Gene: Paperbeatsrock_67 Start: 45250, Stop: 45660, Start Num: 82
Candidate Starts for Paperbeatsrock_67:
(Start: 82 @45250 has 139 MA's), (150, 45391), (168, 45439), (184, 45487), (218, 45580), (225, 45622),

Gene: Paperbeatsrock_72 Start: 47514, Stop: 47891, Start Num: 88
Candidate Starts for Paperbeatsrock_72:
(Start: 88 @47514 has 105 MA's), (Start: 92 @47520 has 45 MA's), (130, 47592), (150, 47652), (217, 47823),

Gene: Paperbeatsrock_79 Start: 49894, Stop: 50229, Start Num: 93
Candidate Starts for Paperbeatsrock_79:
(18, 49642), (Start: 86 @49879 has 28 MA's), (Start: 93 @49894 has 112 MA's), (112, 49930), (177, 50071), (197, 50110), (211, 50146), (212, 50149), (218, 50167), (225, 50209),

Gene: Pat3_78 Start: 48426, Stop: 48761, Start Num: 93
Candidate Starts for Pat3_78:
(18, 48174), (Start: 86 @48411 has 28 MA's), (Start: 93 @48426 has 112 MA's), (112, 48462), (136, 48516), (197, 48642), (211, 48678), (212, 48681), (218, 48699), (225, 48741),

Gene: Pat3_71 Start: 46046, Stop: 46423, Start Num: 88
Candidate Starts for Pat3_71:
(Start: 88 @46046 has 105 MA's), (Start: 92 @46052 has 45 MA's), (130, 46124), (150, 46184), (187, 46283), (217, 46355),

Gene: Pat3_66 Start: 43773, Stop: 44186, Start Num: 82
Candidate Starts for Pat3_66:

(25, 43599), (Start: 82 @43773 has 139 MA's), (150, 43914), (166, 43956), (203, 44064), (218, 44103), (230, 44160),

Gene: Patience_60 Start: 43583, Stop: 43951, Start Num: 82
Candidate Starts for Patience_60:
(Start: 82 @43583 has 139 MA's), (95, 43604), (154, 43712), (157, 43721), (194, 43817), (205, 43844), (222, 43901),

Gene: PauloDiaboli_327 Start: 168500, Stop: 168892, Start Num: 91
Candidate Starts for PauloDiaboli_327:
(Start: 91 @168500 has 3 MA's), (107, 168533), (126, 168563), (139, 168599), (197, 168755), (201, 168767), (211, 168794), (212, 168797), (232, 168878),

Gene: Pavlo_108 Start: 57864, Stop: 57499, Start Num: 60
Candidate Starts for Pavlo_108:
(39, 57915), (Start: 60 @57864 has 6 MA's), (Start: 93 @57795 has 112 MA's), (133, 57735), (136, 57726), (145, 57702), (150, 57687), (207, 57537), (212, 57528),

Gene: Pavlo_109 Start: 58271, Stop: 57861, Start Num: 75
Candidate Starts for Pavlo_109:
(Start: 75 @58271 has 7 MA's), (99, 58229), (132, 58169), (153, 58109), (171, 58067), (211, 57965),

Gene: Peregrin_20 Start: 5906, Stop: 5532, Start Num: 86
Candidate Starts for Peregrin_20:
(Start: 86 @5906 has 28 MA's), (150, 5762), (155, 5747), (231, 5555), (233, 5552),

Gene: Peregrin_226 Start: 113095, Stop: 113481, Start Num: 78
Candidate Starts for Peregrin_226:
(Start: 78 @113095 has 4 MA's), (122, 113182), (144, 113239), (147, 113245), (215, 113392), (228, 113452), (232, 113461),

Gene: Peregrin_24 Start: 6762, Stop: 6388, Start Num: 80
Candidate Starts for Peregrin_24:
(Start: 80 @6762 has 3 MA's), (106, 6708), (141, 6633), (154, 6597), (155, 6594), (182, 6534),

Gene: Peregrin_203 Start: 105124, Stop: 105477, Start Num: 82
Candidate Starts for Peregrin_203:
(Start: 82 @105124 has 139 MA's), (149, 105265), (206, 105373), (215, 105391),

Gene: Peregrin_19 Start: 5539, Stop: 5195, Start Num: 86
Candidate Starts for Peregrin_19:
(Start: 86 @5539 has 28 MA's), (203, 5299),

Gene: Petra64142_84 Start: 51113, Stop: 51448, Start Num: 93
Candidate Starts for Petra64142_84:
(18, 50861), (Start: 86 @51098 has 28 MA's), (Start: 93 @51113 has 112 MA's), (112, 51149), (225, 51428),

Gene: Petra64142_72 Start: 46472, Stop: 46885, Start Num: 82
Candidate Starts for Petra64142_72:
(25, 46298), (Start: 82 @46472 has 139 MA's), (150, 46613), (166, 46655), (203, 46763), (218, 46802), (233, 46865),

Gene: Petra64142_77 Start: 48748, Stop: 49110, Start Num: 92
Candidate Starts for Petra64142_77:
(Start: 88 @48742 has 105 MA's), (Start: 92 @48748 has 45 MA's), (130, 48820), (217, 49042),

Gene: Phaja_71 Start: 47340, Stop: 47717, Start Num: 88
Candidate Starts for Phaja_71:
(Start: 88 @47340 has 105 MA's), (Start: 92 @47346 has 45 MA's), (130, 47418), (150, 47478), (217, 47649),

Gene: Phaja_78 Start: 49720, Stop: 50055, Start Num: 93
Candidate Starts for Phaja_78:
(18, 49468), (Start: 86 @49705 has 28 MA's), (Start: 93 @49720 has 112 MA's), (112, 49756), (177, 49897), (197, 49936), (211, 49972), (212, 49975), (218, 49993), (225, 50035),

Gene: Phaja_66 Start: 45076, Stop: 45486, Start Num: 82
Candidate Starts for Phaja_66:
(Start: 82 @45076 has 139 MA's), (150, 45217), (168, 45265), (184, 45313), (218, 45406), (225, 45448),

Gene: Pharsalus_65 Start: 45050, Stop: 45460, Start Num: 82
Candidate Starts for Pharsalus_65:
(Start: 82 @45050 has 139 MA's), (150, 45191), (168, 45239), (184, 45287), (218, 45380), (225, 45422),

Gene: Pharsalus_70 Start: 47314, Stop: 47691, Start Num: 88
Candidate Starts for Pharsalus_70:
(Start: 88 @47314 has 105 MA's), (Start: 92 @47320 has 45 MA's), (130, 47392), (150, 47452), (217, 47623),

Gene: Pharsalus_77 Start: 49694, Stop: 50029, Start Num: 93
Candidate Starts for Pharsalus_77:
(18, 49442), (Start: 86 @49679 has 28 MA's), (Start: 93 @49694 has 112 MA's), (112, 49730), (177, 49871), (197, 49910), (211, 49946), (212, 49949), (218, 49967), (225, 50009),

Gene: PhatBacter_72 Start: 46025, Stop: 46435, Start Num: 82
Candidate Starts for PhatBacter_72:
(Start: 82 @46025 has 139 MA's), (150, 46166), (168, 46214), (184, 46262), (218, 46355), (225, 46397),

Gene: PhatBacter_77 Start: 48289, Stop: 48663, Start Num: 88
Candidate Starts for PhatBacter_77:
(Start: 88 @48289 has 105 MA's), (Start: 92 @48295 has 45 MA's), (130, 48367), (150, 48427), (217, 48595),

Gene: PhatBacter_84 Start: 50666, Stop: 51001, Start Num: 93
Candidate Starts for PhatBacter_84:
(6, 50096), (9, 50213), (18, 50414), (Start: 86 @50651 has 28 MA's), (Start: 93 @50666 has 112 MA's), (112, 50702), (225, 50981),

Gene: Phaux_70 Start: 46020, Stop: 46430, Start Num: 82
Candidate Starts for Phaux_70:
(Start: 82 @46020 has 139 MA's), (150, 46161), (168, 46209), (184, 46257), (218, 46350), (225, 46392),

Gene: Phaux_75 Start: 48284, Stop: 48658, Start Num: 88
Candidate Starts for Phaux_75:
(Start: 88 @48284 has 105 MA's), (Start: 92 @48290 has 45 MA's), (130, 48362), (150, 48422), (217, 48590),

Gene: Phaux_82 Start: 50661, Stop: 50996, Start Num: 93
Candidate Starts for Phaux_82:
(18, 50409), (Start: 86 @50646 has 28 MA's), (Start: 93 @50661 has 112 MA's), (112, 50697), (136, 50751), (197, 50877), (211, 50913), (212, 50916), (218, 50934), (225, 50976),

Gene: PhillyPhilly_105 Start: 56853, Stop: 56488, Start Num: 60
Candidate Starts for PhillyPhilly_105:
(39, 56904), (Start: 60 @56853 has 6 MA's), (Start: 93 @56784 has 112 MA's), (133, 56724), (136, 56715), (145, 56691), (150, 56676), (207, 56526), (212, 56517),

Gene: PhillyPhilly_106 Start: 57260, Stop: 56850, Start Num: 75
Candidate Starts for PhillyPhilly_106:
(Start: 75 @57260 has 7 MA's), (99, 57218), (132, 57158), (153, 57098), (171, 57056), (211, 56954),

Gene: Phoebus_119 Start: 68421, Stop: 68741, Start Num: 81
Candidate Starts for Phoebus_119:
(Start: 81 @68421 has 31 MA's), (102, 68460), (154, 68559), (173, 68616), (185, 68652), (196, 68682), (214, 68727),

Gene: Phoebus_135 Start: 75234, Stop: 75593, Start Num: 84
Candidate Starts for Phoebus_135:
(67, 75207), (Start: 84 @75234 has 37 MA's), (Start: 88 @75243 has 105 MA's), (154, 75375), (159, 75390), (215, 75519), (217, 75525),

Gene: Phrux_70 Start: 46880, Stop: 47254, Start Num: 88
Candidate Starts for Phrux_70:
(Start: 88 @46880 has 105 MA's), (Start: 92 @46886 has 45 MA's), (130, 46958), (150, 47018), (217, 47186),

Gene: Phrux_77 Start: 49257, Stop: 49589, Start Num: 93
Candidate Starts for Phrux_77:
(18, 49005), (Start: 86 @49242 has 28 MA's), (Start: 93 @49257 has 112 MA's), (112, 49293), (225, 49569),

Gene: Phrux_65 Start: 44616, Stop: 45026, Start Num: 82
Candidate Starts for Phrux_65:
(Start: 82 @44616 has 139 MA's), (150, 44757), (168, 44805), (184, 44853), (218, 44946), (225, 44988),

Gene: Pioneer3_107 Start: 58059, Stop: 57673, Start Num: 57
Candidate Starts for Pioneer3_107:
(27, 58152), (36, 58116), (45, 58083), (55, 58062), (Start: 57 @58059 has 7 MA's), (Start: 93 @57978 has 112 MA's), (109, 57960), (136, 57906), (145, 57882), (170, 57810), (181, 57774), (191, 57756),

Gene: Platte_106 Start: 57843, Stop: 57457, Start Num: 57
Candidate Starts for Platte_106:

(27, 57936), (36, 57900), (45, 57867), (55, 57846), (Start: 57 @57843 has 7 MA's), (Start: 93 @57762 has 112 MA's), (109, 57744), (136, 57690), (145, 57666), (170, 57594), (181, 57558), (191, 57540),

Gene: Policronamos_71 Start: 46020, Stop: 46430, Start Num: 82
Candidate Starts for Policronamos_71:
(Start: 82 @46020 has 139 MA's), (150, 46161), (168, 46209), (184, 46257), (218, 46350), (225, 46392),

Gene: Policronamos_76 Start: 48284, Stop: 48658, Start Num: 88
Candidate Starts for Policronamos_76:
(Start: 88 @48284 has 105 MA's), (Start: 92 @48290 has 45 MA's), (130, 48362), (150, 48422), (217, 48590),

Gene: Policronamos_83 Start: 50661, Stop: 50996, Start Num: 93
Candidate Starts for Policronamos_83:
(18, 50409), (Start: 86 @50646 has 28 MA's), (Start: 93 @50661 has 112 MA's), (112, 50697), (136, 50751), (197, 50877), (211, 50913), (212, 50916), (218, 50934), (225, 50976),

Gene: PondAmelia_52 Start: 35004, Stop: 35447, Start Num: 59
Candidate Starts for PondAmelia_52:
(Start: 59 @35004 has 40 MA's), (79, 35052), (150, 35190), (175, 35253), (183, 35280), (195, 35310), (219, 35379),

Gene: Porcelain_113 Start: 62820, Stop: 63140, Start Num: 81
Candidate Starts for Porcelain_113:
(Start: 81 @62820 has 31 MA's), (102, 62859), (154, 62958), (173, 63015), (185, 63051), (196, 63081), (214, 63126),

Gene: Porcelain_131 Start: 70628, Stop: 70981, Start Num: 84
Candidate Starts for Porcelain_131:
(Start: 84 @70628 has 37 MA's), (Start: 88 @70637 has 105 MA's), (215, 70907), (225, 70958),

Gene: Porky_67 Start: 44446, Stop: 44856, Start Num: 82
Candidate Starts for Porky_67:
(25, 44272), (Start: 82 @44446 has 139 MA's), (150, 44587), (168, 44635), (184, 44683), (218, 44776), (225, 44818),

Gene: Porky_72 Start: 46716, Stop: 47084, Start Num: 92
Candidate Starts for Porky_72:
(Start: 88 @46710 has 105 MA's), (Start: 92 @46716 has 45 MA's), (130, 46788), (150, 46848), (217, 47016),

Gene: Porky_79 Start: 49072, Stop: 49419, Start Num: 86
Candidate Starts for Porky_79:
(Start: 86 @49072 has 28 MA's), (Start: 93 @49087 has 112 MA's), (112, 49123), (225, 49399),

Gene: Pound_108 Start: 64917, Stop: 65237, Start Num: 81
Candidate Starts for Pound_108:
(Start: 81 @64917 has 31 MA's), (102, 64956), (173, 65112), (185, 65148), (196, 65178), (214, 65223),

Gene: Ptowny_65 Start: 43912, Stop: 44322, Start Num: 82
Candidate Starts for Ptowny_65:

(Start: 82 @43912 has 139 MA's), (150, 44053), (168, 44101), (184, 44149), (218, 44242), (225, 44284),

Gene: Ptowny_77 Start: 48556, Stop: 48891, Start Num: 93
Candidate Starts for Ptowny_77:
(18, 48304), (Start: 86 @48541 has 28 MA's), (Start: 93 @48556 has 112 MA's), (112, 48592), (225, 48871),

Gene: Ptowny_70 Start: 46176, Stop: 46553, Start Num: 88
Candidate Starts for Ptowny_70:
(Start: 88 @46176 has 105 MA's), (Start: 92 @46182 has 45 MA's), (130, 46254), (150, 46314), (217, 46485),

Gene: Pumpkin_83 Start: 50315, Stop: 50647, Start Num: 93
Candidate Starts for Pumpkin_83:
(6, 49745), (9, 49862), (18, 50063), (Start: 86 @50300 has 28 MA's), (Start: 93 @50315 has 112 MA's), (112, 50351), (225, 50627),

Gene: Pumpkin_76 Start: 47944, Stop: 48312, Start Num: 92
Candidate Starts for Pumpkin_76:
(Start: 88 @47938 has 105 MA's), (Start: 92 @47944 has 45 MA's), (130, 48016), (150, 48076), (217, 48244),

Gene: Pumpkin_71 Start: 45674, Stop: 46084, Start Num: 82
Candidate Starts for Pumpkin_71:
(Start: 82 @45674 has 139 MA's), (150, 45815), (168, 45863), (184, 45911), (218, 46004), (225, 46046),

Gene: Quallification_69 Start: 45658, Stop: 46068, Start Num: 82
Candidate Starts for Quallification_69:
(Start: 82 @45658 has 139 MA's), (150, 45799), (168, 45847), (184, 45895), (218, 45988), (225, 46030),

Gene: Quallification_74 Start: 47922, Stop: 48299, Start Num: 88
Candidate Starts for Quallification_74:
(Start: 88 @47922 has 105 MA's), (Start: 92 @47928 has 45 MA's), (130, 48000), (150, 48060), (217, 48231),

Gene: Quallification_81 Start: 50302, Stop: 50637, Start Num: 93
Candidate Starts for Quallification_81:
(18, 50050), (Start: 86 @50287 has 28 MA's), (Start: 93 @50302 has 112 MA's), (112, 50338), (177, 50479), (197, 50518), (211, 50554), (212, 50557), (218, 50575), (225, 50617),

Gene: Quby_43 Start: 34125, Stop: 34448, Start Num: 88
Candidate Starts for Quby_43:
(Start: 42 @34020 has 3 MA's), (Start: 44 @34032 has 10 MA's), (Start: 47 @34035 has 5 MA's), (52, 34050), (Start: 88 @34125 has 105 MA's), (102, 34143), (120, 34170), (121, 34173), (154, 34251), (193, 34314), (218, 34377), (227, 34425),

Gene: Quenya_51 Start: 35296, Stop: 35745, Start Num: 59
Candidate Starts for Quenya_51:
(28, 35191), (29, 35203), (Start: 59 @35296 has 40 MA's), (133, 35434), (145, 35467), (156, 35500), (178, 35557), (202, 35608),

Gene: Rabbitrun_55 Start: 37898, Stop: 38293, Start Num: 64
Candidate Starts for Rabbitrun_55:
(39, 37826), (41, 37832), (53, 37865), (Start: 59 @37880 has 40 MA's), (Start: 64 @37898 has 4 MA's), (89, 37943), (96, 37958), (101, 37970), (206, 38183), (220, 38213), (239, 38282),

Gene: Rabbitrun_47 Start: 35261, Stop: 35668, Start Num: 66
Candidate Starts for Rabbitrun_47:
(Start: 66 @35261 has 3 MA's), (Start: 73 @35273 has 1 MA's), (Start: 85 @35291 has 3 MA's), (99, 35324), (138, 35405), (159, 35465), (218, 35570), (222, 35594),

Gene: Rakim_69 Start: 45127, Stop: 45537, Start Num: 82
Candidate Starts for Rakim_69:
(Start: 82 @45127 has 139 MA's), (150, 45268), (168, 45316), (184, 45364), (218, 45457), (225, 45499),

Gene: Rakim_81 Start: 49771, Stop: 50103, Start Num: 93
Candidate Starts for Rakim_81:
(18, 49519), (Start: 86 @49756 has 28 MA's), (Start: 93 @49771 has 112 MA's), (112, 49807), (225, 50083),

Gene: Rakim_74 Start: 47394, Stop: 47768, Start Num: 88
Candidate Starts for Rakim_74:
(Start: 88 @47394 has 105 MA's), (Start: 92 @47400 has 45 MA's), (130, 47472), (150, 47532), (187, 47628), (217, 47700),

Gene: RanchParmCat_67 Start: 44221, Stop: 44673, Start Num: 56
Candidate Starts for RanchParmCat_67:
(20, 44083), (Start: 56 @44221 has 4 MA's), (Start: 82 @44260 has 139 MA's), (89, 44272), (105, 44308), (115, 44323), (133, 44365), (139, 44383), (154, 44425), (159, 44440), (161, 44446), (212, 44566), (219, 44590), (222, 44608), (235, 44653),

Gene: Rearden_132 Start: 71022, Stop: 71375, Start Num: 84
Candidate Starts for Rearden_132:
(Start: 84 @71022 has 37 MA's), (Start: 88 @71031 has 105 MA's), (215, 71301), (225, 71352),

Gene: Rearden_107 Start: 62553, Stop: 62873, Start Num: 81
Candidate Starts for Rearden_107:
(Start: 81 @62553 has 31 MA's), (102, 62592), (154, 62691), (173, 62748), (185, 62784), (196, 62814), (214, 62859),

Gene: Red305_42 Start: 35730, Stop: 36053, Start Num: 88
Candidate Starts for Red305_42:
(Start: 42 @35625 has 3 MA's), (Start: 44 @35637 has 10 MA's), (Start: 48 @35646 has 43 MA's), (Start: 88 @35730 has 105 MA's), (102, 35748), (Start: 114 @35766 has 1 MA's), (120, 35775), (174, 35892), (227, 36030),

Gene: Redno2_126 Start: 70622, Stop: 70981, Start Num: 84
Candidate Starts for Redno2_126:
(67, 70595), (Start: 84 @70622 has 37 MA's), (Start: 88 @70631 has 105 MA's), (154, 70763), (159, 70778), (215, 70907), (217, 70913),

Gene: Redno2_112 Start: 64353, Stop: 64673, Start Num: 81

Candidate Starts for Redno2_112:
(Start: 81 @64353 has 31 MA's), (102, 64392), (154, 64491), (173, 64548), (185, 64584), (196, 64614), (214, 64659),

Gene: Rimmer_69 Start: 45366, Stop: 45779, Start Num: 82
Candidate Starts for Rimmer_69:
(25, 45192), (Start: 82 @45366 has 139 MA's), (150, 45507), (166, 45549), (203, 45657), (218, 45696), (233, 45759),

Gene: Rimmer_81 Start: 50007, Stop: 50342, Start Num: 93
Candidate Starts for Rimmer_81:
(18, 49755), (Start: 86 @49992 has 28 MA's), (Start: 93 @50007 has 112 MA's), (112, 50043), (136, 50097), (197, 50223), (211, 50259), (212, 50262), (218, 50280), (225, 50322),

Gene: Rimmer_74 Start: 47642, Stop: 48004, Start Num: 92
Candidate Starts for Rimmer_74:
(Start: 88 @47636 has 105 MA's), (Start: 92 @47642 has 45 MA's), (130, 47714), (217, 47936),

Gene: RiverMonster_68 Start: 45194, Stop: 45604, Start Num: 82
Candidate Starts for RiverMonster_68:
(Start: 82 @45194 has 139 MA's), (150, 45335), (168, 45383), (184, 45431), (218, 45524), (225, 45566),

Gene: RiverMonster_80 Start: 49835, Stop: 50167, Start Num: 93
Candidate Starts for RiverMonster_80:
(18, 49583), (Start: 86 @49820 has 28 MA's), (Start: 93 @49835 has 112 MA's), (112, 49871), (225, 50147),

Gene: RiverMonster_73 Start: 47458, Stop: 47832, Start Num: 88
Candidate Starts for RiverMonster_73:
(Start: 88 @47458 has 105 MA's), (Start: 92 @47464 has 45 MA's), (130, 47536), (150, 47596), (217, 47764),

Gene: Roman_110 Start: 58320, Stop: 57910, Start Num: 75
Candidate Starts for Roman_110:
(Start: 75 @58320 has 7 MA's), (99, 58278), (132, 58218), (153, 58158), (171, 58116), (211, 58014),

Gene: Roman_109 Start: 57913, Stop: 57548, Start Num: 60
Candidate Starts for Roman_109:
(39, 57964), (Start: 60 @57913 has 6 MA's), (Start: 93 @57844 has 112 MA's), (133, 57784), (136, 57775), (145, 57751), (150, 57736), (207, 57586), (212, 57577),

Gene: Rona_48 Start: 34834, Stop: 35277, Start Num: 59
Candidate Starts for Rona_48:
(Start: 59 @34834 has 40 MA's), (132, 34969), (133, 34972), (156, 35038), (178, 35095), (202, 35146), (220, 35197),

Gene: Rose5_42 Start: 34025, Stop: 34441, Start Num: 48
Candidate Starts for Rose5_42:
(Start: 42 @34004 has 3 MA's), (Start: 48 @34025 has 43 MA's), (76, 34091), (Start: 88 @34112 has 105 MA's), (102, 34130), (124, 34169), (131, 34181), (154, 34238), (186, 34298), (227, 34418),

Gene: Rossetti_46 Start: 36009, Stop: 36320, Start Num: 102

Candidate Starts for Rossetti_46:
(Start: 44 @35895 has 10 MA's), (Start: 48 @35904 has 43 MA's), (Start: 88 @35991 has 105 MA's), (102, 36009), (120, 36036), (121, 36039), (154, 36114), (158, 36126), (213, 36234), (227, 36297),

Gene: Rumpelstiltskin_45 Start: 35623, Stop: 36039, Start Num: 48
Candidate Starts for Rumpelstiltskin_45:
(Start: 44 @35614 has 10 MA's), (Start: 48 @35623 has 43 MA's), (Start: 88 @35710 has 105 MA's), (102, 35728), (120, 35755), (121, 35758), (154, 35833), (158, 35845), (213, 35953), (218, 35968), (227, 36016),

Gene: RunningBrook_108 Start: 56887, Stop: 56450, Start Num: 59
Candidate Starts for RunningBrook_108:
(Start: 59 @56887 has 40 MA's), (Start: 66 @56863 has 3 MA's), (77, 56842), (132, 56746), (136, 56734), (137, 56731), (152, 56689), (164, 56659), (175, 56626),

Gene: Saints25_72 Start: 46868, Stop: 47242, Start Num: 88
Candidate Starts for Saints25_72:
(Start: 88 @46868 has 105 MA's), (Start: 92 @46874 has 45 MA's), (130, 46946), (150, 47006), (217, 47174),

Gene: Saints25_79 Start: 49245, Stop: 49580, Start Num: 93
Candidate Starts for Saints25_79:
(18, 48993), (Start: 86 @49230 has 28 MA's), (Start: 93 @49245 has 112 MA's), (112, 49281), (225, 49560),

Gene: Saints25_67 Start: 44604, Stop: 45014, Start Num: 82
Candidate Starts for Saints25_67:
(Start: 82 @44604 has 139 MA's), (150, 44745), (168, 44793), (184, 44841), (218, 44934), (225, 44976),

Gene: Samty_42 Start: 35731, Stop: 36054, Start Num: 88
Candidate Starts for Samty_42:
(Start: 42 @35626 has 3 MA's), (Start: 44 @35638 has 10 MA's), (Start: 48 @35647 has 43 MA's), (Start: 88 @35731 has 105 MA's), (102, 35749), (Start: 114 @35767 has 1 MA's), (120, 35776), (174, 35893), (227, 36031),

Gene: SanaSana_53 Start: 35511, Stop: 35948, Start Num: 59
Candidate Starts for SanaSana_53:
(Start: 59 @35511 has 40 MA's), (79, 35559), (136, 35658), (137, 35661), (150, 35697), (175, 35760), (178, 35772), (195, 35811),

Gene: Saradis_110 Start: 57287, Stop: 56877, Start Num: 75
Candidate Starts for Saradis_110:
(Start: 75 @57287 has 7 MA's), (99, 57245), (132, 57185), (153, 57125), (171, 57083), (211, 56981),

Gene: Saradis_109 Start: 56880, Stop: 56515, Start Num: 60
Candidate Starts for Saradis_109:
(39, 56931), (Start: 60 @56880 has 6 MA's), (Start: 93 @56811 has 112 MA's), (133, 56751), (136, 56742), (145, 56718), (150, 56703), (207, 56553), (212, 56544),

Gene: Sarshaun_45 Start: 35477, Stop: 35806, Start Num: 88
Candidate Starts for Sarshaun_45:

(Start: 44 @35381 has 10 MA's), (Start: 48 @35390 has 43 MA's), (Start: 88 @35477 has 105 MA's), (102, 35495), (120, 35522), (121, 35525), (154, 35600), (158, 35612), (213, 35720), (227, 35783),

Gene: Sassay_68 Start: 45564, Stop: 45932, Start Num: 92
Candidate Starts for Sassay_68:
(Start: 88 @45558 has 105 MA's), (Start: 92 @45564 has 45 MA's), (130, 45636), (150, 45696), (217, 45864),

Gene: Sassay_63 Start: 43291, Stop: 43704, Start Num: 82
Candidate Starts for Sassay_63:
(25, 43117), (Start: 82 @43291 has 139 MA's), (150, 43432), (166, 43474), (203, 43582), (218, 43621), (233, 43684),

Gene: Sassay_75 Start: 47920, Stop: 48270, Start Num: 86
Candidate Starts for Sassay_75:
(18, 47683), (Start: 86 @47920 has 28 MA's), (Start: 93 @47935 has 112 MA's), (112, 47971), (177, 48112), (197, 48151), (211, 48187), (212, 48190), (218, 48208), (225, 48250),

Gene: Schatzie_113 Start: 65339, Stop: 65659, Start Num: 81
Candidate Starts for Schatzie_113:
(Start: 81 @65339 has 31 MA's), (102, 65378), (154, 65477), (173, 65534), (185, 65570), (196, 65600), (214, 65645),

Gene: Schatzie_130 Start: 73330, Stop: 73689, Start Num: 84
Candidate Starts for Schatzie_130:
(67, 73303), (Start: 84 @73330 has 37 MA's), (Start: 88 @73339 has 105 MA's), (154, 73471), (159, 73486), (215, 73615), (217, 73621),

Gene: Sephiroth_46 Start: 34293, Stop: 34826, Start Num: 33
Candidate Starts for Sephiroth_46:
(15, 34167), (16, 34176), (Start: 33 @34293 has 3 MA's), (Start: 35 @34305 has 1 MA's), (99, 34464), (171, 34617), (179, 34644), (186, 34659), (201, 34695),

Gene: Shaboozey_134 Start: 71250, Stop: 71603, Start Num: 84
Candidate Starts for Shaboozey_134:
(Start: 84 @71250 has 37 MA's), (Start: 88 @71259 has 105 MA's), (154, 71385), (215, 71529),

Gene: Shaboozey_111 Start: 62340, Stop: 62663, Start Num: 81
Candidate Starts for Shaboozey_111:
(Start: 81 @62340 has 31 MA's), (102, 62379), (139, 62445), (149, 62466), (150, 62469), (159, 62496), (214, 62649),

Gene: ShamWow_68 Start: 45513, Stop: 45923, Start Num: 82
Candidate Starts for ShamWow_68:
(25, 45339), (Start: 82 @45513 has 139 MA's), (132, 45609), (150, 45654), (168, 45702), (184, 45750), (218, 45843), (225, 45885),

Gene: ShamWow_73 Start: 47777, Stop: 48154, Start Num: 88
Candidate Starts for ShamWow_73:
(Start: 88 @47777 has 105 MA's), (Start: 92 @47783 has 45 MA's), (130, 47855), (150, 47915), (217, 48086),

Gene: ShamWow_80 Start: 50157, Stop: 50489, Start Num: 93

Candidate Starts for ShamWow_80:
(18, 49905), (Start: 86 @50142 has 28 MA's), (Start: 93 @50157 has 112 MA's), (112, 50193), (225, 50469),

Gene: Sharkboy_49 Start: 34933, Stop: 35376, Start Num: 59
Candidate Starts for Sharkboy_49:
(Start: 59 @34933 has 40 MA's), (132, 35068), (133, 35071), (156, 35137), (178, 35194), (202, 35245), (220, 35296),

Gene: Sheng711_43 Start: 34231, Stop: 34560, Start Num: 88
Candidate Starts for Sheng711_43:
(Start: 42 @34126 has 3 MA's), (Start: 44 @34138 has 10 MA's), (Start: 47 @34141 has 5 MA's), (Start: 88 @34231 has 105 MA's), (102, 34249), (120, 34276), (121, 34279), (154, 34354), (158, 34366), (213, 34474), (227, 34537), (232, 34552),

Gene: ShereKhan_72 Start: 47846, Stop: 48223, Start Num: 88
Candidate Starts for ShereKhan_72:
(Start: 88 @47846 has 105 MA's), (Start: 92 @47852 has 45 MA's), (130, 47924), (150, 47984), (217, 48155),

Gene: ShereKhan_78 Start: 50227, Stop: 50562, Start Num: 93
Candidate Starts for ShereKhan_78:
(18, 49975), (Start: 86 @50212 has 28 MA's), (Start: 93 @50227 has 112 MA's), (112, 50263), (177, 50404), (197, 50443), (211, 50479), (212, 50482), (218, 50500), (225, 50542),

Gene: ShereKhan_67 Start: 45582, Stop: 45992, Start Num: 82
Candidate Starts for ShereKhan_67:
(Start: 82 @45582 has 139 MA's), (150, 45723), (168, 45771), (184, 45819), (218, 45912), (225, 45954),

Gene: Shroomer_112 Start: 56444, Stop: 56007, Start Num: 59
Candidate Starts for Shroomer_112:
(Start: 59 @56444 has 40 MA's), (Start: 66 @56420 has 3 MA's), (77, 56399), (132, 56303), (136, 56291), (137, 56288), (152, 56246), (164, 56216), (175, 56183),

Gene: Silverleaf_42 Start: 34025, Stop: 34441, Start Num: 48
Candidate Starts for Silverleaf_42:
(Start: 42 @34004 has 3 MA's), (Start: 48 @34025 has 43 MA's), (76, 34091), (Start: 88 @34112 has 105 MA's), (102, 34130), (124, 34169), (131, 34181), (154, 34238), (186, 34298), (227, 34418),

Gene: Simpliphy_79 Start: 49235, Stop: 49570, Start Num: 93
Candidate Starts for Simpliphy_79:
(18, 48983), (Start: 86 @49220 has 28 MA's), (Start: 93 @49235 has 112 MA's), (112, 49271), (225, 49550),

Gene: Simpliphy_72 Start: 46864, Stop: 47232, Start Num: 92
Candidate Starts for Simpliphy_72:
(Start: 88 @46858 has 105 MA's), (Start: 92 @46864 has 45 MA's), (130, 46936), (150, 46996), (217, 47164),

Gene: Simpliphy_67 Start: 44594, Stop: 45004, Start Num: 82
Candidate Starts for Simpliphy_67:

(Start: 82 @44594 has 139 MA's), (150, 44735), (168, 44783), (184, 44831), (218, 44924), (225, 44966),

Gene: SirDuracell_67 Start: 43865, Stop: 44278, Start Num: 82
Candidate Starts for SirDuracell_67:
(25, 43691), (Start: 82 @43865 has 139 MA's), (150, 44006), (166, 44048), (203, 44156), (218, 44195), (233, 44258),

Gene: SirDuracell_79 Start: 48521, Stop: 48856, Start Num: 93
Candidate Starts for SirDuracell_79:
(18, 48269), (Start: 86 @48506 has 28 MA's), (Start: 93 @48521 has 112 MA's), (112, 48557), (136, 48611), (197, 48737), (211, 48773), (212, 48776), (218, 48794), (225, 48836),

Gene: SirDuracell_72 Start: 46147, Stop: 46518, Start Num: 92
Candidate Starts for SirDuracell_72:
(Start: 88 @46141 has 105 MA's), (Start: 92 @46147 has 45 MA's), (130, 46219), (150, 46279), (187, 46378), (217, 46450),

Gene: Snenia_42 Start: 35731, Stop: 36054, Start Num: 88
Candidate Starts for Snenia_42:
(Start: 42 @35626 has 3 MA's), (Start: 44 @35638 has 10 MA's), (Start: 48 @35647 has 43 MA's), (Start: 88 @35731 has 105 MA's), (102, 35749), (Start: 114 @35767 has 1 MA's), (120, 35776), (174, 35893), (227, 36031),

Gene: SoJulia_46 Start: 35703, Stop: 36032, Start Num: 88
Candidate Starts for SoJulia_46:
(Start: 44 @35607 has 10 MA's), (Start: 48 @35616 has 43 MA's), (Start: 88 @35703 has 105 MA's), (102, 35721), (120, 35748), (121, 35751), (154, 35826), (158, 35838), (213, 35946), (227, 36009),

Gene: Soap141_45 Start: 35477, Stop: 35806, Start Num: 88
Candidate Starts for Soap141_45:
(Start: 44 @35381 has 10 MA's), (Start: 48 @35390 has 43 MA's), (Start: 88 @35477 has 105 MA's), (102, 35495), (120, 35522), (121, 35525), (154, 35600), (158, 35612), (213, 35720), (227, 35783),

Gene: Solimine_110 Start: 58195, Stop: 57785, Start Num: 75
Candidate Starts for Solimine_110:
(Start: 75 @58195 has 7 MA's), (99, 58153), (132, 58093), (153, 58033), (171, 57991), (211, 57889),

Gene: Solimine_109 Start: 57788, Stop: 57423, Start Num: 60
Candidate Starts for Solimine_109:
(39, 57839), (Start: 60 @57788 has 6 MA's), (133, 57659), (136, 57650), (145, 57626), (150, 57611), (171, 57557), (212, 57452),

Gene: SophKB_70 Start: 46533, Stop: 46910, Start Num: 88
Candidate Starts for SophKB_70:
(Start: 88 @46533 has 105 MA's), (Start: 92 @46539 has 45 MA's), (130, 46611), (150, 46671), (217, 46842),

Gene: SophKB_77 Start: 48913, Stop: 49248, Start Num: 93
Candidate Starts for SophKB_77:
(18, 48661), (Start: 86 @48898 has 28 MA's), (Start: 93 @48913 has 112 MA's), (112, 48949), (177, 49090), (197, 49129), (211, 49165), (212, 49168), (218, 49186), (225, 49228),

Gene: SophKB_65 Start: 44269, Stop: 44679, Start Num: 82
Candidate Starts for SophKB_65:
(Start: 82 @44269 has 139 MA's), (150, 44410), (168, 44458), (184, 44506), (218, 44599), (225, 44641),

Gene: Sotrice96_69 Start: 45272, Stop: 45682, Start Num: 82
Candidate Starts for Sotrice96_69:
(Start: 82 @45272 has 139 MA's), (150, 45413), (168, 45461), (184, 45509), (218, 45602), (225, 45644),

Gene: Sotrice96_74 Start: 47536, Stop: 47913, Start Num: 88
Candidate Starts for Sotrice96_74:
(Start: 88 @47536 has 105 MA's), (Start: 92 @47542 has 45 MA's), (130, 47614), (150, 47674), (217, 47845),

Gene: Sotrice96_81 Start: 49916, Stop: 50251, Start Num: 93
Candidate Starts for Sotrice96_81:
(18, 49664), (Start: 86 @49901 has 28 MA's), (Start: 93 @49916 has 112 MA's), (112, 49952), (225, 50231),

Gene: Spooks_26 Start: 18379, Stop: 17993, Start Num: 65
Candidate Starts for Spooks_26:
(50, 18403), (Start: 65 @18379 has 2 MA's), (96, 18319), (105, 18298), (119, 18277), (133, 18241), (169, 18154), (204, 18064), (206, 18058),

Gene: Squint_111 Start: 62624, Stop: 62944, Start Num: 81
Candidate Starts for Squint_111:
(Start: 81 @62624 has 31 MA's), (102, 62663), (154, 62762), (173, 62819), (185, 62855), (196, 62885), (214, 62930),

Gene: Squint_131 Start: 70888, Stop: 71241, Start Num: 84
Candidate Starts for Squint_131:
(Start: 84 @70888 has 37 MA's), (Start: 88 @70897 has 105 MA's), (215, 71167), (225, 71218),

Gene: Stank_83 Start: 50159, Stop: 50509, Start Num: 86
Candidate Starts for Stank_83:
(18, 49922), (Start: 86 @50159 has 28 MA's), (Start: 93 @50174 has 112 MA's), (112, 50210), (225, 50489),

Gene: Stank_71 Start: 45527, Stop: 45937, Start Num: 82
Candidate Starts for Stank_71:
(25, 45353), (Start: 82 @45527 has 139 MA's), (132, 45623), (150, 45668), (168, 45716), (184, 45764), (218, 45857), (225, 45899),

Gene: Stank_76 Start: 47794, Stop: 48171, Start Num: 88
Candidate Starts for Stank_76:
(Start: 88 @47794 has 105 MA's), (Start: 92 @47800 has 45 MA's), (130, 47872), (150, 47932), (217, 48103),

Gene: Stark_69 Start: 45077, Stop: 45487, Start Num: 82
Candidate Starts for Stark_69:
(Start: 82 @45077 has 139 MA's), (150, 45218), (168, 45266), (184, 45314), (218, 45407), (225, 45449),

Gene: Stark_81 Start: 49718, Stop: 50050, Start Num: 93
Candidate Starts for Stark_81:
(18, 49466), (Start: 86 @49703 has 28 MA's), (Start: 93 @49718 has 112 MA's), (112, 49754), (225, 50030),

Gene: Stark_74 Start: 47341, Stop: 47715, Start Num: 88
Candidate Starts for Stark_74:
(Start: 88 @47341 has 105 MA's), (Start: 92 @47347 has 45 MA's), (130, 47419), (150, 47479), (217, 47647),

Gene: SteakFry_110 Start: 56575, Stop: 56138, Start Num: 59
Candidate Starts for SteakFry_110:
(Start: 59 @56575 has 40 MA's), (Start: 66 @56551 has 3 MA's), (77, 56530), (132, 56434), (136, 56422), (137, 56419), (152, 56377), (164, 56347), (175, 56314),

Gene: StellaBean_71 Start: 47107, Stop: 47478, Start Num: 92
Candidate Starts for StellaBean_71:
(Start: 88 @47101 has 105 MA's), (Start: 92 @47107 has 45 MA's), (130, 47179), (150, 47239), (217, 47410),

Gene: StellaBean_78 Start: 49481, Stop: 49813, Start Num: 93
Candidate Starts for StellaBean_78:
(18, 49229), (Start: 86 @49466 has 28 MA's), (Start: 93 @49481 has 112 MA's), (112, 49517), (225, 49793),

Gene: StellaBean_66 Start: 44837, Stop: 45247, Start Num: 82
Candidate Starts for StellaBean_66:
(Start: 82 @44837 has 139 MA's), (150, 44978), (168, 45026), (184, 45074), (218, 45167), (225, 45209),

Gene: Stellammi_89 Start: 46045, Stop: 46407, Start Num: 85
Candidate Starts for Stellammi_89:
(30, 45898), (Start: 82 @46042 has 139 MA's), (Start: 85 @46045 has 3 MA's), (136, 46141), (154, 46186), (172, 46225), (186, 46255), (207, 46294),

Gene: StevieWelch_107 Start: 56127, Stop: 55690, Start Num: 59
Candidate Starts for StevieWelch_107:
(19, 56298), (46, 56160), (Start: 59 @56127 has 40 MA's), (Start: 66 @56103 has 3 MA's), (77, 56082), (132, 55986), (136, 55974), (164, 55899),

Gene: StolenFromERC_83 Start: 49956, Stop: 50291, Start Num: 93
Candidate Starts for StolenFromERC_83:
(18, 49704), (Start: 86 @49941 has 28 MA's), (Start: 93 @49956 has 112 MA's), (112, 49992), (225, 50271),

Gene: StolenFromERC_76 Start: 47576, Stop: 47953, Start Num: 88
Candidate Starts for StolenFromERC_76:
(Start: 88 @47576 has 105 MA's), (Start: 92 @47582 has 45 MA's), (130, 47654), (150, 47714), (217, 47885),

Gene: StolenFromERC_71 Start: 45309, Stop: 45719, Start Num: 82
Candidate Starts for StolenFromERC_71:

(25, 45135), (Start: 82 @45309 has 139 MA's), (150, 45450), (168, 45498), (184, 45546), (218, 45639), (225, 45681),

Gene: Stoor_51 Start: 35304, Stop: 35735, Start Num: 59
Candidate Starts for Stoor_51:
(Start: 59 @35304 has 40 MA's), (79, 35352), (136, 35451), (137, 35454), (150, 35490), (175, 35553), (178, 35565), (195, 35598), (221, 35679),

Gene: StormChicken_70 Start: 45973, Stop: 46386, Start Num: 82
Candidate Starts for StormChicken_70:
(25, 45799), (Start: 82 @45973 has 139 MA's), (150, 46114), (166, 46156), (203, 46264), (218, 46303), (233, 46366),

Gene: StormChicken_82 Start: 50599, Stop: 50949, Start Num: 86
Candidate Starts for StormChicken_82:
(18, 50362), (Start: 86 @50599 has 28 MA's), (Start: 93 @50614 has 112 MA's), (112, 50650), (177, 50791), (197, 50830), (211, 50866), (212, 50869), (218, 50887), (225, 50929),

Gene: StormChicken_75 Start: 48243, Stop: 48611, Start Num: 88
Candidate Starts for StormChicken_75:
(Start: 88 @48243 has 105 MA's), (Start: 92 @48249 has 45 MA's), (130, 48321), (217, 48543),

Gene: Stromboli_51 Start: 35169, Stop: 35606, Start Num: 59
Candidate Starts for Stromboli_51:
(Start: 59 @35169 has 40 MA's), (79, 35217), (136, 35316), (137, 35319), (150, 35355), (175, 35418), (178, 35430), (195, 35469),

Gene: Success_26 Start: 17594, Stop: 17208, Start Num: 65
Candidate Starts for Success_26:
(27, 17702), (50, 17618), (Start: 65 @17594 has 2 MA's), (96, 17534), (119, 17492), (133, 17456), (170, 17366), (204, 17279), (206, 17273),

Gene: SuperSonics_59 Start: 42729, Stop: 43097, Start Num: 82
Candidate Starts for SuperSonics_59:
(Start: 82 @42729 has 139 MA's), (95, 42750), (154, 42858), (157, 42867), (194, 42963), (205, 42990),

Gene: Superphikiman_131 Start: 70104, Stop: 70457, Start Num: 84
Candidate Starts for Superphikiman_131:
(Start: 84 @70104 has 37 MA's), (Start: 88 @70113 has 105 MA's), (215, 70383),

Gene: Superphikiman_110 Start: 61715, Stop: 62035, Start Num: 81
Candidate Starts for Superphikiman_110:
(Start: 81 @61715 has 31 MA's), (102, 61754), (154, 61853), (173, 61910), (185, 61946), (196, 61976), (214, 62021),

Gene: Syleon_46 Start: 34218, Stop: 34751, Start Num: 33
Candidate Starts for Syleon_46:
(15, 34092), (16, 34101), (Start: 33 @34218 has 3 MA's), (Start: 35 @34230 has 1 MA's), (99, 34389), (148, 34491), (171, 34542), (186, 34584), (201, 34620),

Gene: TBrady12_71 Start: 45011, Stop: 45421, Start Num: 82
Candidate Starts for TBrady12_71:

(25, 44837), (Start: 82 @45011 has 139 MA's), (150, 45152), (168, 45200), (184, 45248), (218, 45341), (225, 45383),

Gene: TBrady12_83 Start: 49655, Stop: 49990, Start Num: 93
Candidate Starts for TBrady12_83:
(18, 49403), (Start: 86 @49640 has 28 MA's), (Start: 93 @49655 has 112 MA's), (112, 49691), (225, 49970),

Gene: TBrady12_76 Start: 47275, Stop: 47652, Start Num: 88
Candidate Starts for TBrady12_76:
(Start: 88 @47275 has 105 MA's), (Start: 92 @47281 has 45 MA's), (130, 47353), (150, 47413), (217, 47584),

Gene: Tandem_107 Start: 58139, Stop: 57753, Start Num: 57
Candidate Starts for Tandem_107:
(27, 58232), (36, 58196), (45, 58163), (55, 58142), (Start: 57 @58139 has 7 MA's), (Start: 93 @58058 has 112 MA's), (109, 58040), (136, 57986), (145, 57962), (170, 57890), (181, 57854), (191, 57836),

Gene: Tarkin_67 Start: 45259, Stop: 45669, Start Num: 82
Candidate Starts for Tarkin_67:
(Start: 82 @45259 has 139 MA's), (150, 45400), (168, 45448), (184, 45496), (218, 45589), (225, 45631),

Gene: Tarkin_79 Start: 49903, Stop: 50238, Start Num: 93
Candidate Starts for Tarkin_79:
(18, 49651), (Start: 86 @49888 has 28 MA's), (Start: 93 @49903 has 112 MA's), (112, 49939), (177, 50080), (197, 50119), (211, 50155), (212, 50158), (218, 50176), (225, 50218),

Gene: Tarkin_72 Start: 47523, Stop: 47900, Start Num: 88
Candidate Starts for Tarkin_72:
(Start: 88 @47523 has 105 MA's), (Start: 92 @47529 has 45 MA's), (130, 47601), (150, 47661), (217, 47832),

Gene: TeamEdward_75 Start: 48243, Stop: 48605, Start Num: 88
Candidate Starts for TeamEdward_75:
(Start: 88 @48243 has 105 MA's), (Start: 92 @48249 has 45 MA's), (150, 48369), (187, 48465),

Gene: TeamEdward_70 Start: 45967, Stop: 46380, Start Num: 82
Candidate Starts for TeamEdward_70:
(25, 45793), (Start: 82 @45967 has 139 MA's), (150, 46108), (166, 46150), (203, 46258), (218, 46297), (233, 46360),

Gene: TeamEdward_82 Start: 50608, Stop: 50943, Start Num: 93
Candidate Starts for TeamEdward_82:
(18, 50356), (Start: 86 @50593 has 28 MA's), (Start: 93 @50608 has 112 MA's), (112, 50644), (136, 50698), (197, 50824), (211, 50860), (212, 50863), (218, 50881), (225, 50923),

Gene: TeardropMSU_76 Start: 48888, Stop: 49238, Start Num: 86
Candidate Starts for TeardropMSU_76:
(18, 48651), (Start: 86 @48888 has 28 MA's), (Start: 93 @48903 has 112 MA's), (112, 48939), (177, 49080), (197, 49119), (211, 49155), (212, 49158), (218, 49176), (225, 49218),

Gene: TeardropMSU_69 Start: 46523, Stop: 46900, Start Num: 88

Candidate Starts for TeardropMSU_69:
(Start: 88 @46523 has 105 MA's), (Start: 92 @46529 has 45 MA's), (130, 46601), (150, 46661), (217, 46832),

Gene: TeardropMSU_64 Start: 44259, Stop: 44669, Start Num: 82
Candidate Starts for TeardropMSU_64:
(Start: 82 @44259 has 139 MA's), (150, 44400), (168, 44448), (184, 44496), (218, 44589), (225, 44631),

Gene: Teaspoon_74 Start: 47423, Stop: 47794, Start Num: 92
Candidate Starts for Teaspoon_74:
(Start: 88 @47417 has 105 MA's), (Start: 92 @47423 has 45 MA's), (130, 47495), (150, 47555), (217, 47726),

Gene: Teaspoon_81 Start: 49797, Stop: 50132, Start Num: 93
Candidate Starts for Teaspoon_81:
(18, 49545), (Start: 86 @49782 has 28 MA's), (Start: 93 @49797 has 112 MA's), (112, 49833), (225, 50112),

Gene: Teaspoon_69 Start: 45153, Stop: 45563, Start Num: 82
Candidate Starts for Teaspoon_69:
(25, 44979), (Start: 82 @45153 has 139 MA's), (150, 45294), (168, 45342), (184, 45390), (218, 45483), (225, 45525),

Gene: Terminus_83 Start: 50690, Stop: 51025, Start Num: 93
Candidate Starts for Terminus_83:
(18, 50438), (Start: 86 @50675 has 28 MA's), (Start: 93 @50690 has 112 MA's), (112, 50726), (225, 51005),

Gene: Terminus_76 Start: 48319, Stop: 48687, Start Num: 92
Candidate Starts for Terminus_76:
(Start: 88 @48313 has 105 MA's), (Start: 92 @48319 has 45 MA's), (130, 48391), (150, 48451), (217, 48619),

Gene: Terminus_71 Start: 46046, Stop: 46459, Start Num: 82
Candidate Starts for Terminus_71:
(25, 45872), (Start: 82 @46046 has 139 MA's), (150, 46187), (168, 46235), (184, 46283), (218, 46376), (233, 46439),

Gene: Thibault_99 Start: 60528, Stop: 60848, Start Num: 81
Candidate Starts for Thibault_99:
(Start: 81 @60528 has 31 MA's), (102, 60567), (173, 60723), (185, 60759), (196, 60789), (214, 60834),

Gene: Thibault_119 Start: 70544, Stop: 70903, Start Num: 84
Candidate Starts for Thibault_119:
(67, 70517), (Start: 84 @70544 has 37 MA's), (Start: 88 @70553 has 105 MA's), (154, 70685), (159, 70700), (217, 70835),

Gene: Thimble_69 Start: 44491, Stop: 44901, Start Num: 82
Candidate Starts for Thimble_69:
(25, 44317), (Start: 82 @44491 has 139 MA's), (150, 44632), (168, 44680), (184, 44728), (218, 44821), (225, 44863),

Gene: Thimble_81 Start: 49138, Stop: 49470, Start Num: 93
Candidate Starts for Thimble_81:
(6, 48568), (9, 48685), (18, 48886), (Start: 86 @49123 has 28 MA's), (Start: 93 @49138 has 112 MA's), (112, 49174), (225, 49450),

Gene: Thimble_74 Start: 46764, Stop: 47135, Start Num: 92
Candidate Starts for Thimble_74:
(Start: 88 @46758 has 105 MA's), (Start: 92 @46764 has 45 MA's), (130, 46836), (150, 46896), (217, 47067),

Gene: ThreeRngTarjay_130 Start: 73825, Stop: 74184, Start Num: 84
Candidate Starts for ThreeRngTarjay_130:
(67, 73798), (Start: 84 @73825 has 37 MA's), (Start: 88 @73834 has 105 MA's), (154, 73966), (159, 73981), (215, 74110), (217, 74116),

Gene: Thresher_75 Start: 48406, Stop: 48774, Start Num: 92
Candidate Starts for Thresher_75:
(Start: 88 @48400 has 105 MA's), (Start: 92 @48406 has 45 MA's), (130, 48478), (150, 48538), (217, 48706),

Gene: Thresher_70 Start: 46136, Stop: 46546, Start Num: 82
Candidate Starts for Thresher_70:
(Start: 82 @46136 has 139 MA's), (150, 46277), (168, 46325), (184, 46373), (218, 46466), (225, 46508),

Gene: Thresher_82 Start: 50777, Stop: 51109, Start Num: 93
Candidate Starts for Thresher_82:
(18, 50525), (Start: 86 @50762 has 28 MA's), (Start: 93 @50777 has 112 MA's), (112, 50813), (225, 51089),

Gene: Tomaszewski_75 Start: 49066, Stop: 49401, Start Num: 93
Candidate Starts for Tomaszewski_75:
(18, 48814), (Start: 86 @49051 has 28 MA's), (Start: 93 @49066 has 112 MA's), (112, 49102), (225, 49381),

Gene: Tomaszewski_68 Start: 46695, Stop: 47063, Start Num: 88
Candidate Starts for Tomaszewski_68:
(Start: 88 @46695 has 105 MA's), (Start: 92 @46701 has 45 MA's), (163, 46857), (212, 46980), (227, 47046),

Gene: Tomaszewski_63 Start: 44425, Stop: 44838, Start Num: 82
Candidate Starts for Tomaszewski_63:
(25, 44251), (Start: 82 @44425 has 139 MA's), (150, 44566), (166, 44608), (203, 44716), (218, 44755), (233, 44818),

Gene: Toto_66 Start: 45513, Stop: 45923, Start Num: 82
Candidate Starts for Toto_66:
(25, 45339), (Start: 82 @45513 has 139 MA's), (132, 45609), (150, 45654), (168, 45702), (184, 45750), (218, 45843), (225, 45885),

Gene: Toto_71 Start: 47777, Stop: 48154, Start Num: 88
Candidate Starts for Toto_71:

(Start: 88 @47777 has 105 MA's), (Start: 92 @47783 has 45 MA's), (130, 47855), (150, 47915), (217, 48086),

Gene: Toto_78 Start: 50157, Stop: 50489, Start Num: 93
Candidate Starts for Toto_78:
(18, 49905), (Start: 86 @50142 has 28 MA's), (Start: 93 @50157 has 112 MA's), (112, 50193), (225, 50469),

Gene: Tourach_44 Start: 35371, Stop: 35784, Start Num: 48
Candidate Starts for Tourach_44:
(Start: 44 @35362 has 10 MA's), (Start: 48 @35371 has 43 MA's), (Start: 88 @35458 has 105 MA's), (102, 35476), (120, 35503), (121, 35506), (154, 35581), (227, 35761),

Gene: Traaww1_64 Start: 44694, Stop: 45104, Start Num: 82
Candidate Starts for Traaww1_64:
(25, 44520), (Start: 82 @44694 has 139 MA's), (132, 44790), (150, 44835), (168, 44883), (184, 44931), (218, 45024), (225, 45066),

Gene: Traaww1_69 Start: 46961, Stop: 47338, Start Num: 88
Candidate Starts for Traaww1_69:
(Start: 88 @46961 has 105 MA's), (Start: 92 @46967 has 45 MA's), (130, 47039), (150, 47099), (217, 47270),

Gene: Traaww1_76 Start: 49341, Stop: 49673, Start Num: 93
Candidate Starts for Traaww1_76:
(18, 49089), (Start: 86 @49326 has 28 MA's), (Start: 93 @49341 has 112 MA's), (112, 49377), (225, 49653),

Gene: Trax_45 Start: 35143, Stop: 35541, Start Num: 66
Candidate Starts for Trax_45:
(Start: 66 @35143 has 3 MA's), (Start: 73 @35155 has 1 MA's), (Start: 85 @35173 has 3 MA's), (99, 35206), (138, 35287), (159, 35347), (187, 35398), (222, 35476), (228, 35503), (238, 35524),

Gene: Trax_53 Start: 37657, Stop: 38055, Start Num: 64
Candidate Starts for Trax_53:
(Start: 64 @37657 has 4 MA's), (79, 37687), (99, 37723), (101, 37726), (104, 37732), (113, 37756), (157, 37843), (169, 37864), (179, 37888), (218, 37963), (222, 37987), (239, 38041), (240, 38047),

Gene: TriFive_42 Start: 35730, Stop: 36053, Start Num: 88
Candidate Starts for TriFive_42:
(Start: 42 @35625 has 3 MA's), (Start: 44 @35637 has 10 MA's), (Start: 48 @35646 has 43 MA's), (Start: 88 @35730 has 105 MA's), (102, 35748), (Start: 114 @35766 has 1 MA's), (120, 35775), (174, 35892), (227, 36030),

Gene: Trina_236 Start: 121948, Stop: 122328, Start Num: 71
Candidate Starts for Trina_236:
(Start: 71 @121948 has 1 MA's), (Start: 83 @121969 has 1 MA's), (94, 121990), (134, 122074), (149, 122116), (154, 122131), (220, 122263), (235, 122323),

Gene: Trina_234 Start: 121206, Stop: 121604, Start Num: 86
Candidate Starts for Trina_234:
(Start: 70 @121179 has 1 MA's), (Start: 82 @121200 has 139 MA's), (Start: 86 @121206 has 28 MA's), (90, 121215), (96, 121227), (108, 121254), (140, 121335), (154, 121374), (188, 121449), (212,

121500), (215, 121509), (220, 121527), (225, 121560), (226, 121563),

Gene: Tuco_69 Start: 46021, Stop: 46431, Start Num: 82
Candidate Starts for Tuco_69:
(Start: 82 @46021 has 139 MA's), (150, 46162), (168, 46210), (184, 46258), (218, 46351), (225, 46393),

Gene: Tuco_74 Start: 48285, Stop: 48662, Start Num: 88
Candidate Starts for Tuco_74:
(Start: 88 @48285 has 105 MA's), (Start: 92 @48291 has 45 MA's), (130, 48363), (150, 48423), (217, 48594),

Gene: Tuco_81 Start: 50665, Stop: 50997, Start Num: 93
Candidate Starts for Tuco_81:
(18, 50413), (Start: 86 @50650 has 28 MA's), (Start: 93 @50665 has 112 MA's), (112, 50701), (225, 50977),

Gene: Tyson_42 Start: 34026, Stop: 34442, Start Num: 48
Candidate Starts for Tyson_42:
(Start: 42 @34005 has 3 MA's), (Start: 48 @34026 has 43 MA's), (76, 34092), (Start: 88 @34113 has 105 MA's), (102, 34131), (124, 34170), (131, 34182), (154, 34239), (186, 34299), (216, 34365), (227, 34419),

Gene: UPIE_43 Start: 34009, Stop: 34425, Start Num: 48
Candidate Starts for UPIE_43:
(Start: 42 @33988 has 3 MA's), (Start: 48 @34009 has 43 MA's), (76, 34075), (Start: 88 @34096 has 105 MA's), (102, 34114), (124, 34153), (131, 34165), (154, 34222), (186, 34282), (227, 34402),

Gene: Ukulele_68 Start: 46671, Stop: 47045, Start Num: 88
Candidate Starts for Ukulele_68:
(Start: 88 @46671 has 105 MA's), (Start: 92 @46677 has 45 MA's), (130, 46749), (150, 46809), (217, 46977),

Gene: Ukulele_63 Start: 44407, Stop: 44817, Start Num: 82
Candidate Starts for Ukulele_63:
(Start: 82 @44407 has 139 MA's), (150, 44548), (168, 44596), (184, 44644), (218, 44737), (225, 44779),

Gene: Ukulele_75 Start: 49048, Stop: 49383, Start Num: 93
Candidate Starts for Ukulele_75:
(18, 48796), (Start: 86 @49033 has 28 MA's), (Start: 93 @49048 has 112 MA's), (112, 49084), (225, 49363),

Gene: Underpass_45 Start: 35357, Stop: 35773, Start Num: 48
Candidate Starts for Underpass_45:
(Start: 44 @35348 has 10 MA's), (Start: 48 @35357 has 43 MA's), (Start: 88 @35444 has 105 MA's), (102, 35462), (120, 35489), (121, 35492), (154, 35567), (158, 35579), (213, 35687), (227, 35750),

Gene: Uterion_111 Start: 57717, Stop: 57307, Start Num: 75
Candidate Starts for Uterion_111:
(Start: 75 @57717 has 7 MA's), (99, 57675), (132, 57615), (153, 57555), (171, 57513), (211, 57411),

Gene: Uterion_110 Start: 57310, Stop: 56945, Start Num: 60

Candidate Starts for Uterion_110:
(39, 57361), (Start: 60 @57310 has 6 MA's), (Start: 93 @57241 has 112 MA's), (133, 57181), (136, 57172), (145, 57148), (150, 57133), (207, 56983), (212, 56974),

Gene: VanLee_135 Start: 73104, Stop: 72706, Start Num: 63
Candidate Starts for VanLee_135:
(Start: 63 @73104 has 2 MA's), (119, 73008), (198, 72846),

Gene: Vetrix_45 Start: 35363, Stop: 35779, Start Num: 48
Candidate Starts for Vetrix_45:
(Start: 44 @35354 has 10 MA's), (Start: 48 @35363 has 43 MA's), (Start: 88 @35450 has 105 MA's), (102, 35468), (120, 35495), (121, 35498), (154, 35573), (158, 35585), (213, 35693), (227, 35756),

Gene: WalkingDead_53 Start: 35918, Stop: 36355, Start Num: 59
Candidate Starts for WalkingDead_53:
(Start: 59 @35918 has 40 MA's), (79, 35966), (136, 36065), (137, 36068), (150, 36104), (175, 36167), (178, 36179), (195, 36218), (221, 36299),

Gene: Wamburgrxpress_43 Start: 34024, Stop: 34440, Start Num: 48
Candidate Starts for Wamburgrxpress_43:
(Start: 42 @34003 has 3 MA's), (Start: 48 @34024 has 43 MA's), (76, 34090), (Start: 88 @34111 has 105 MA's), (102, 34129), (124, 34168), (131, 34180), (154, 34237), (186, 34297), (227, 34417),

Gene: Wanda_133 Start: 70960, Stop: 71319, Start Num: 84
Candidate Starts for Wanda_133:
(67, 70933), (Start: 84 @70960 has 37 MA's), (Start: 88 @70969 has 105 MA's), (154, 71101), (159, 71116), (215, 71245), (217, 71251),

Gene: Weasels2_210 Start: 108355, Stop: 108705, Start Num: 83
Candidate Starts for Weasels2_210:
(Start: 83 @108355 has 1 MA's), (127, 108442), (149, 108496), (150, 108499), (187, 108562), (192, 108574), (194, 108580), (232, 108688),

Gene: Weasels2_208 Start: 107565, Stop: 107978, Start Num: 78
Candidate Starts for Weasels2_208:
(Start: 78 @107565 has 4 MA's), (127, 107664), (150, 107721), (170, 107766), (185, 107805), (215, 107880),

Gene: Weasels2_18 Start: 5542, Stop: 5186, Start Num: 86
Candidate Starts for Weasels2_18:
(Start: 86 @5542 has 28 MA's), (117, 5473), (125, 5455), (225, 5224), (229, 5209), (234, 5200),

Gene: Weasels2_237 Start: 116136, Stop: 116522, Start Num: 78
Candidate Starts for Weasels2_237:
(Start: 75 @116130 has 7 MA's), (Start: 78 @116136 has 4 MA's), (147, 116286), (215, 116433), (228, 116493),

Gene: Weasels2_22 Start: 6969, Stop: 6571, Start Num: 80
Candidate Starts for Weasels2_22:
(Start: 80 @6969 has 3 MA's), (95, 6942), (129, 6867), (159, 6786), (189, 6723), (203, 6690), (219, 6657),

Gene: Welcome_109 Start: 56727, Stop: 56290, Start Num: 59

Candidate Starts for Welcome_109:
(Start: 59 @56727 has 40 MA's), (Start: 66 @56703 has 3 MA's), (77, 56682), (132, 56586), (136, 56574), (137, 56571), (152, 56529), (164, 56499), (175, 56466),

Gene: Whirlwind_43 Start: 35405, Stop: 35812, Start Num: 48
Candidate Starts for Whirlwind_43:
(Start: 42 @35384 has 3 MA's), (Start: 44 @35396 has 10 MA's), (Start: 48 @35405 has 43 MA's), (Start: 88 @35489 has 105 MA's), (102, 35507), (Start: 114 @35525 has 1 MA's), (120, 35534), (174, 35651), (227, 35789),

Gene: Wiggin_82 Start: 49742, Stop: 50074, Start Num: 93
Candidate Starts for Wiggin_82:
(18, 49490), (Start: 86 @49727 has 28 MA's), (Start: 93 @49742 has 112 MA's), (112, 49778), (225, 50054),

Gene: Wiggin_70 Start: 45095, Stop: 45505, Start Num: 82
Candidate Starts for Wiggin_70:
(25, 44921), (Start: 82 @45095 has 139 MA's), (132, 45191), (150, 45236), (168, 45284), (184, 45332), (218, 45425), (225, 45467),

Gene: Wiggin_75 Start: 47368, Stop: 47739, Start Num: 92
Candidate Starts for Wiggin_75:
(Start: 88 @47362 has 105 MA's), (Start: 92 @47368 has 45 MA's), (130, 47440), (150, 47500), (217, 47671),

Gene: Wigglewiggle_45 Start: 35380, Stop: 35805, Start Num: 44
Candidate Starts for Wigglewiggle_45:
(Start: 44 @35380 has 10 MA's), (Start: 48 @35389 has 43 MA's), (Start: 88 @35476 has 105 MA's), (102, 35494), (120, 35521), (121, 35524), (154, 35599), (158, 35611), (213, 35719), (227, 35782),

Gene: Wilder_45 Start: 35362, Stop: 35778, Start Num: 48
Candidate Starts for Wilder_45:
(Start: 44 @35353 has 10 MA's), (Start: 48 @35362 has 43 MA's), (Start: 88 @35449 has 105 MA's), (102, 35467), (120, 35494), (121, 35497), (154, 35572), (158, 35584), (213, 35692), (227, 35755),

Gene: Willez_75 Start: 47920, Stop: 48270, Start Num: 86
Candidate Starts for Willez_75:
(18, 47683), (Start: 86 @47920 has 28 MA's), (Start: 93 @47935 has 112 MA's), (112, 47971), (177, 48112), (197, 48151), (211, 48187), (212, 48190), (218, 48208), (225, 48250),

Gene: Willez_68 Start: 45564, Stop: 45932, Start Num: 92
Candidate Starts for Willez_68:
(Start: 88 @45558 has 105 MA's), (Start: 92 @45564 has 45 MA's), (130, 45636), (150, 45696), (217, 45864),

Gene: Willez_63 Start: 43291, Stop: 43704, Start Num: 82
Candidate Starts for Willez_63:
(25, 43117), (Start: 82 @43291 has 139 MA's), (150, 43432), (166, 43474), (203, 43582), (218, 43621), (233, 43684),

Gene: Winky_45 Start: 35347, Stop: 35772, Start Num: 44
Candidate Starts for Winky_45:

(Start: 44 @35347 has 10 MA's), (Start: 48 @35356 has 43 MA's), (Start: 88 @35443 has 105 MA's), (102, 35461), (120, 35488), (121, 35491), (154, 35566), (158, 35578), (213, 35686), (227, 35749),

Gene: Wolfstar_113 Start: 59574, Stop: 59188, Start Num: 57
Candidate Starts for Wolfstar_113:
(32, 59646), (43, 59601), (Start: 57 @59574 has 7 MA's), (98, 59481), (118, 59442), (136, 59409), (145, 59385), (150, 59373), (186, 59277),

Gene: Wyatt2_43 Start: 34025, Stop: 34441, Start Num: 48
Candidate Starts for Wyatt2_43:
(Start: 42 @34004 has 3 MA's), (Start: 48 @34025 has 43 MA's), (76, 34091), (Start: 88 @34112 has 105 MA's), (102, 34130), (124, 34169), (131, 34181), (154, 34238), (186, 34298), (227, 34418),

Gene: Xandras_72 Start: 46773, Stop: 47147, Start Num: 88
Candidate Starts for Xandras_72:
(Start: 88 @46773 has 105 MA's), (Start: 92 @46779 has 45 MA's), (130, 46851), (150, 46911), (217, 47079),

Gene: Xandras_79 Start: 49150, Stop: 49482, Start Num: 93
Candidate Starts for Xandras_79:
(6, 48580), (9, 48697), (18, 48898), (Start: 86 @49135 has 28 MA's), (Start: 93 @49150 has 112 MA's), (112, 49186), (225, 49462),

Gene: Xandras_67 Start: 44506, Stop: 44916, Start Num: 82
Candidate Starts for Xandras_67:
(Start: 82 @44506 has 139 MA's), (150, 44647), (168, 44695), (184, 44743), (218, 44836), (225, 44878),

Gene: Xiaokay_107 Start: 63424, Stop: 63744, Start Num: 81
Candidate Starts for Xiaokay_107:
(Start: 81 @63424 has 31 MA's), (102, 63463), (173, 63619), (183, 63649), (185, 63655), (196, 63685), (214, 63730),

Gene: Xiaokay_130 Start: 73215, Stop: 73574, Start Num: 84
Candidate Starts for Xiaokay_130:
(67, 73188), (Start: 84 @73215 has 37 MA's), (Start: 88 @73224 has 105 MA's), (154, 73356), (159, 73371), (217, 73506),

Gene: Yakult_64 Start: 44046, Stop: 44489, Start Num: 54
Candidate Starts for Yakult_64:
(Start: 54 @44046 has 2 MA's), (123, 44154), (133, 44181), (139, 44199), (154, 44241), (159, 44256), (161, 44262), (191, 44325), (212, 44382), (222, 44424),

Gene: YassJohnny_65 Start: 44464, Stop: 44877, Start Num: 82
Candidate Starts for YassJohnny_65:
(25, 44290), (Start: 82 @44464 has 139 MA's), (150, 44605), (166, 44647), (203, 44755), (218, 44794), (233, 44857),

Gene: YassJohnny_77 Start: 49090, Stop: 49440, Start Num: 86
Candidate Starts for YassJohnny_77:
(18, 48853), (Start: 86 @49090 has 28 MA's), (Start: 93 @49105 has 112 MA's), (112, 49141), (177, 49282), (197, 49321), (211, 49357), (212, 49360), (218, 49378), (225, 49420),

Gene: YassJohnny_70 Start: 46740, Stop: 47102, Start Num: 92
Candidate Starts for YassJohnny_70:
(Start: 88 @46734 has 105 MA's), (Start: 92 @46740 has 45 MA's), (163, 46896), (212, 47019), (227, 47085),

Gene: Yeet_109 Start: 64277, Stop: 64597, Start Num: 81
Candidate Starts for Yeet_109:
(Start: 81 @64277 has 31 MA's), (102, 64316), (154, 64415), (173, 64472), (185, 64508), (196, 64538), (214, 64583),

Gene: Yeet_128 Start: 73023, Stop: 73382, Start Num: 84
Candidate Starts for Yeet_128:
(67, 72996), (Start: 84 @73023 has 37 MA's), (Start: 88 @73032 has 105 MA's), (154, 73164), (159, 73179), (215, 73308), (217, 73314),

Gene: Youngblood_71 Start: 45976, Stop: 46386, Start Num: 82
Candidate Starts for Youngblood_71:
(25, 45802), (Start: 82 @45976 has 139 MA's), (150, 46117), (168, 46165), (184, 46213), (218, 46306), (225, 46348),

Gene: Youngblood_76 Start: 48246, Stop: 48614, Start Num: 92
Candidate Starts for Youngblood_76:
(Start: 88 @48240 has 105 MA's), (Start: 92 @48246 has 45 MA's), (130, 48318), (150, 48378), (217, 48546),

Gene: Youngblood_83 Start: 50617, Stop: 50952, Start Num: 93
Candidate Starts for Youngblood_83:
(18, 50365), (Start: 86 @50602 has 28 MA's), (Start: 93 @50617 has 112 MA's), (112, 50653), (225, 50932),

Gene: Yuma_105 Start: 55848, Stop: 55411, Start Num: 59
Candidate Starts for Yuma_105:
(Start: 59 @55848 has 40 MA's), (Start: 66 @55824 has 3 MA's), (77, 55803), (132, 55707), (136, 55695), (137, 55692), (152, 55650), (164, 55620), (175, 55587),

Gene: Zakai_45 Start: 35614, Stop: 36030, Start Num: 48
Candidate Starts for Zakai_45:
(Start: 44 @35605 has 10 MA's), (Start: 48 @35614 has 43 MA's), (Start: 88 @35701 has 105 MA's), (102, 35719), (120, 35746), (121, 35749), (154, 35824), (158, 35836), (213, 35944), (227, 36007),

Gene: Zaria_43 Start: 34040, Stop: 34456, Start Num: 48
Candidate Starts for Zaria_43:
(Start: 42 @34019 has 3 MA's), (Start: 48 @34040 has 43 MA's), (76, 34106), (Start: 88 @34127 has 105 MA's), (102, 34145), (124, 34184), (131, 34196), (154, 34253), (186, 34313), (227, 34433),

Gene: Zelink_129 Start: 73772, Stop: 74131, Start Num: 84
Candidate Starts for Zelink_129:
(67, 73745), (Start: 84 @73772 has 37 MA's), (Start: 88 @73781 has 105 MA's), (154, 73913), (159, 73928), (215, 74057), (217, 74063),

Gene: ZhongYanYuan_43 Start: 35304, Stop: 35633, Start Num: 88
Candidate Starts for ZhongYanYuan_43:

(Start: 44 @35208 has 10 MA's), (Start: 48 @35217 has 43 MA's), (Start: 88 @35304 has 105 MA's), (102, 35322), (120, 35349), (121, 35352), (154, 35430), (213, 35547), (227, 35610),

Gene: Zooman_10 Start: 4723, Stop: 5199, Start Num: 59
Candidate Starts for Zooman_10:
(Start: 59 @4723 has 40 MA's), (98, 4807), (116, 4834), (151, 4921), (157, 4939), (191, 5035), (199, 5056), (205, 5071), (215, 5095),

Gene: Zooman_323 Start: 180374, Stop: 180850, Start Num: 59
Candidate Starts for Zooman_323:
(Start: 59 @180374 has 40 MA's), (98, 180458), (116, 180485), (151, 180572), (157, 180590), (191, 180686), (199, 180707), (205, 180722), (215, 180746),

Gene: xkcd_83 Start: 50807, Stop: 51139, Start Num: 93
Candidate Starts for xkcd_83:
(Start: 86 @50792 has 28 MA's), (Start: 93 @50807 has 112 MA's), (112, 50843), (225, 51119),

Gene: xkcd_71 Start: 46166, Stop: 46576, Start Num: 82
Candidate Starts for xkcd_71:
(Start: 82 @46166 has 139 MA's), (150, 46307), (168, 46355), (184, 46403), (218, 46496), (225, 46538),

Gene: xkcd_76 Start: 48430, Stop: 48804, Start Num: 88
Candidate Starts for xkcd_76:
(Start: 88 @48430 has 105 MA's), (Start: 92 @48436 has 45 MA's), (130, 48508), (150, 48568), (217, 48736),