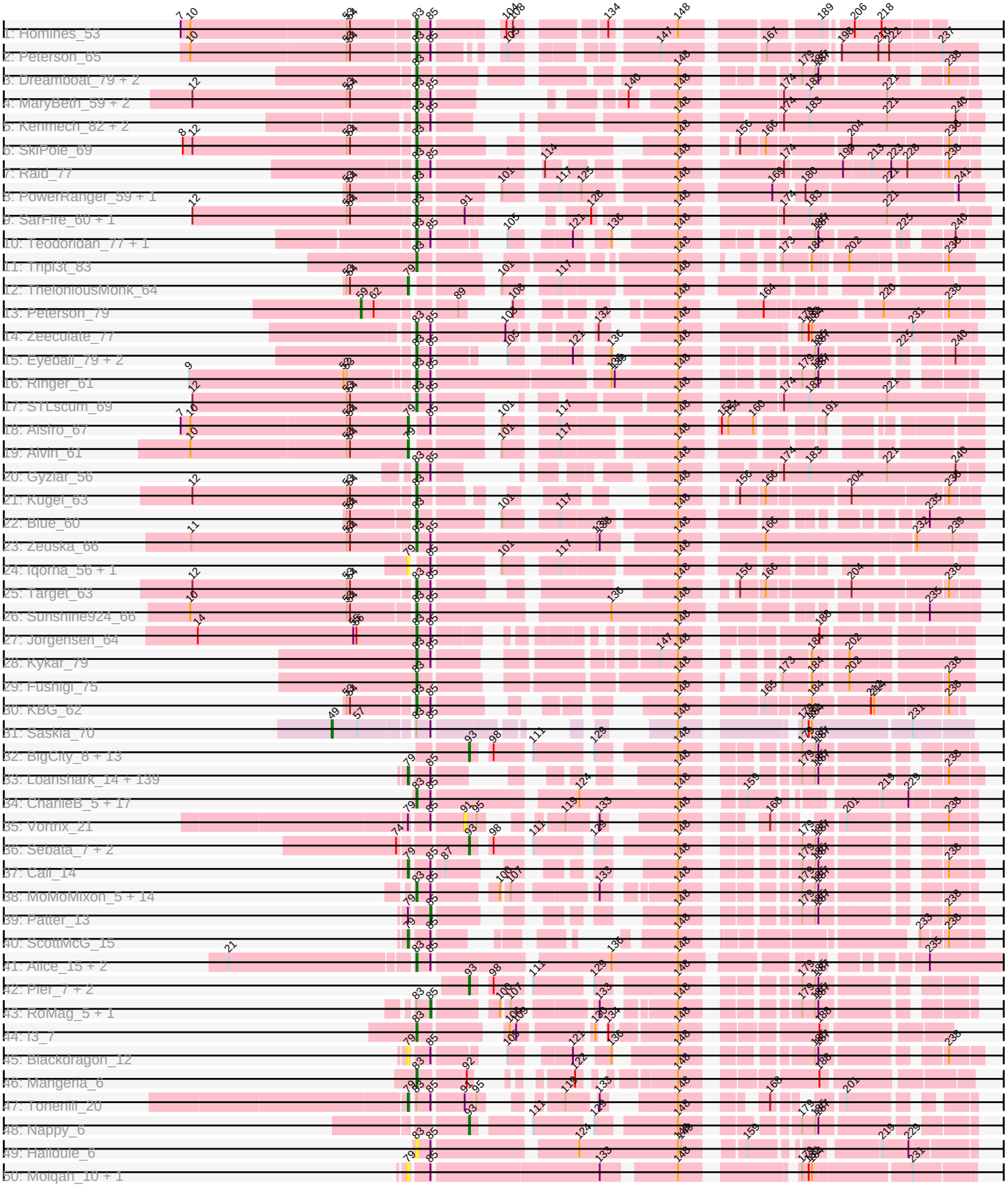
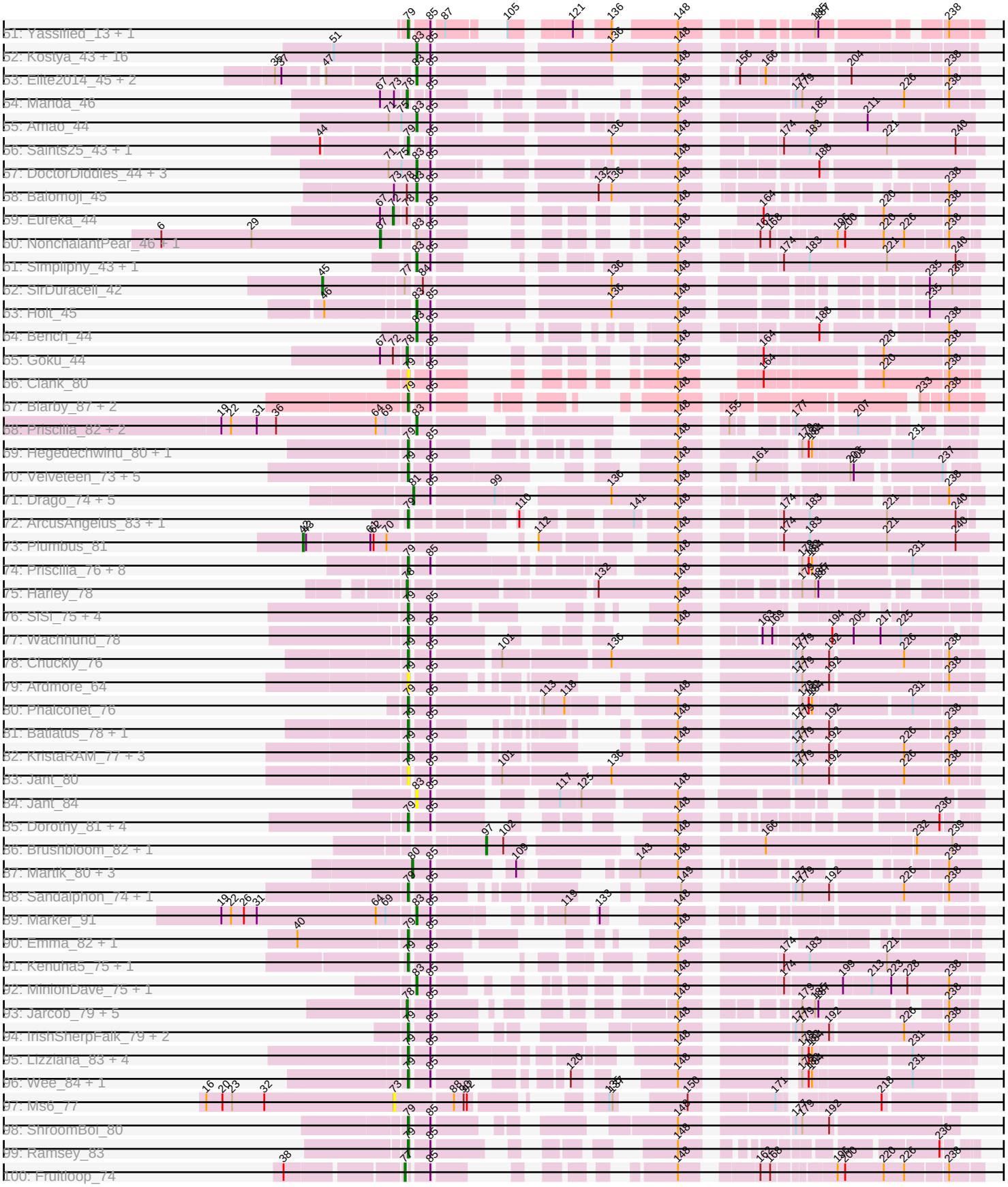
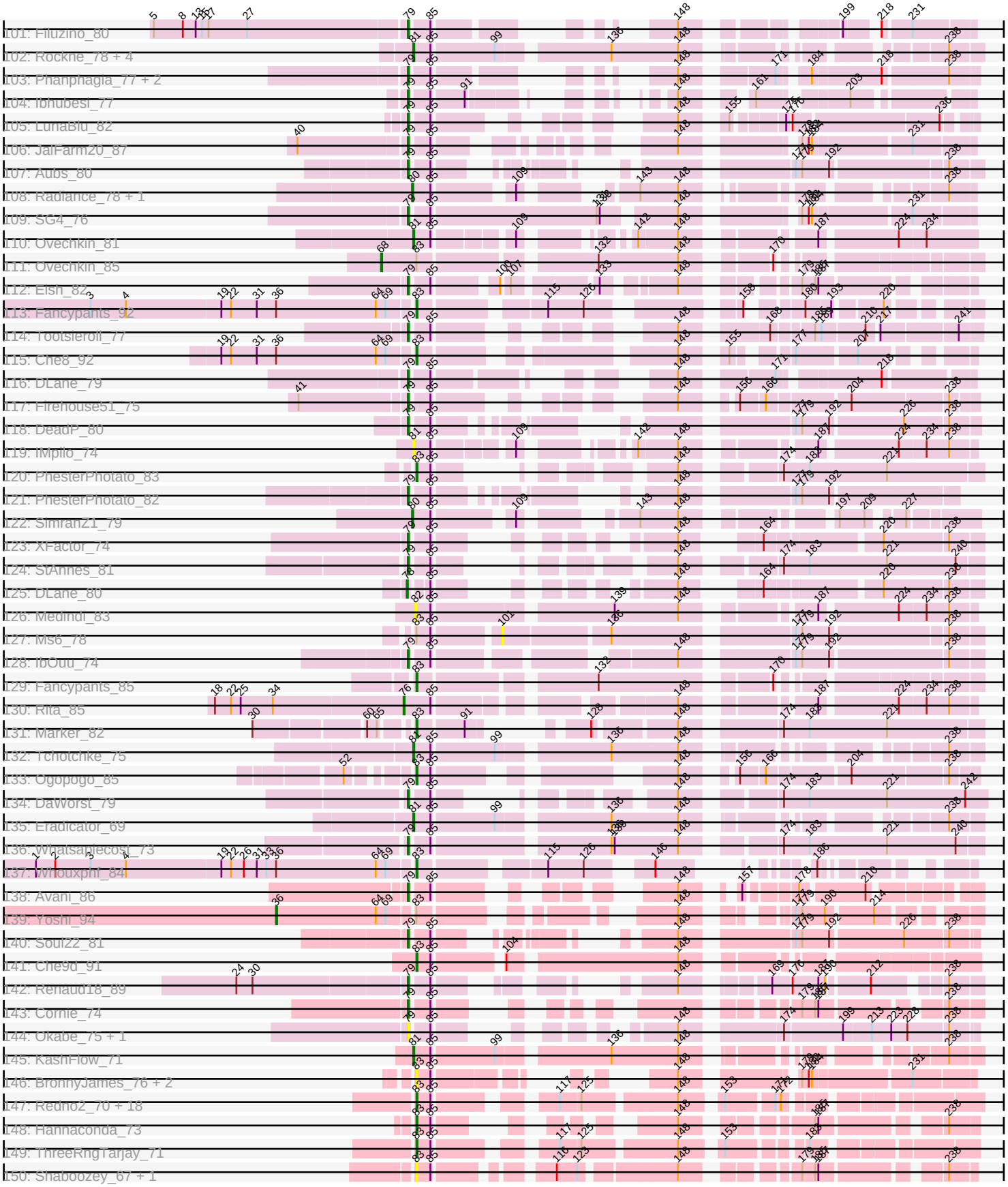
Pham 347081


1: Homines_53
2: Peterson_65
3: Dreamboat_79 + 2
4: MaryBeth_59 + 2
5: Kenmech_82 + 2
6: SkiPole_69
7: Raid_77
8: PowerRanger_59 + 1
9: SanFire_60 + 1
10: Teodoridan_77 + 1
11: Tripl3t_83
12: TheloniousMonk_64
13: Peterson_79
14: Zeeculate_77
15: Eyeball_79 + 2
16: Ringer_61
17: STLscum_69
18: Alsiro_67
19: Alvin_61
20: Gyzlar_56
21: Kugel_63
22: Blue_60
23: Zeuska_66
24: Iqorna_56 + 1
25: Target_63
26: Sunshine924_66
27: Jorgensen_64
28: Kykar_79
29: Fushigi_75
30: KBG_62
31: Saskia_70
32: BigCity_8 + 13
33: Loanshark_14 + 139
34: CharlieB_5 + 17
35: Vortrix_21
36: Sebata_7 + 2
37: Call_14
38: MoMoMixon_5 + 14
39: Patter_13
40: ScottMcG_15
41: Alice_15 + 2
42: Pier_7 + 2
43: RoMag_5 + 1
44: I3_7
45: Blackdragon_12
46: Mangeria_6
47: Tonehill_20
48: Nappy_6
49: Halldude_6
50: Molqan_10 + 1

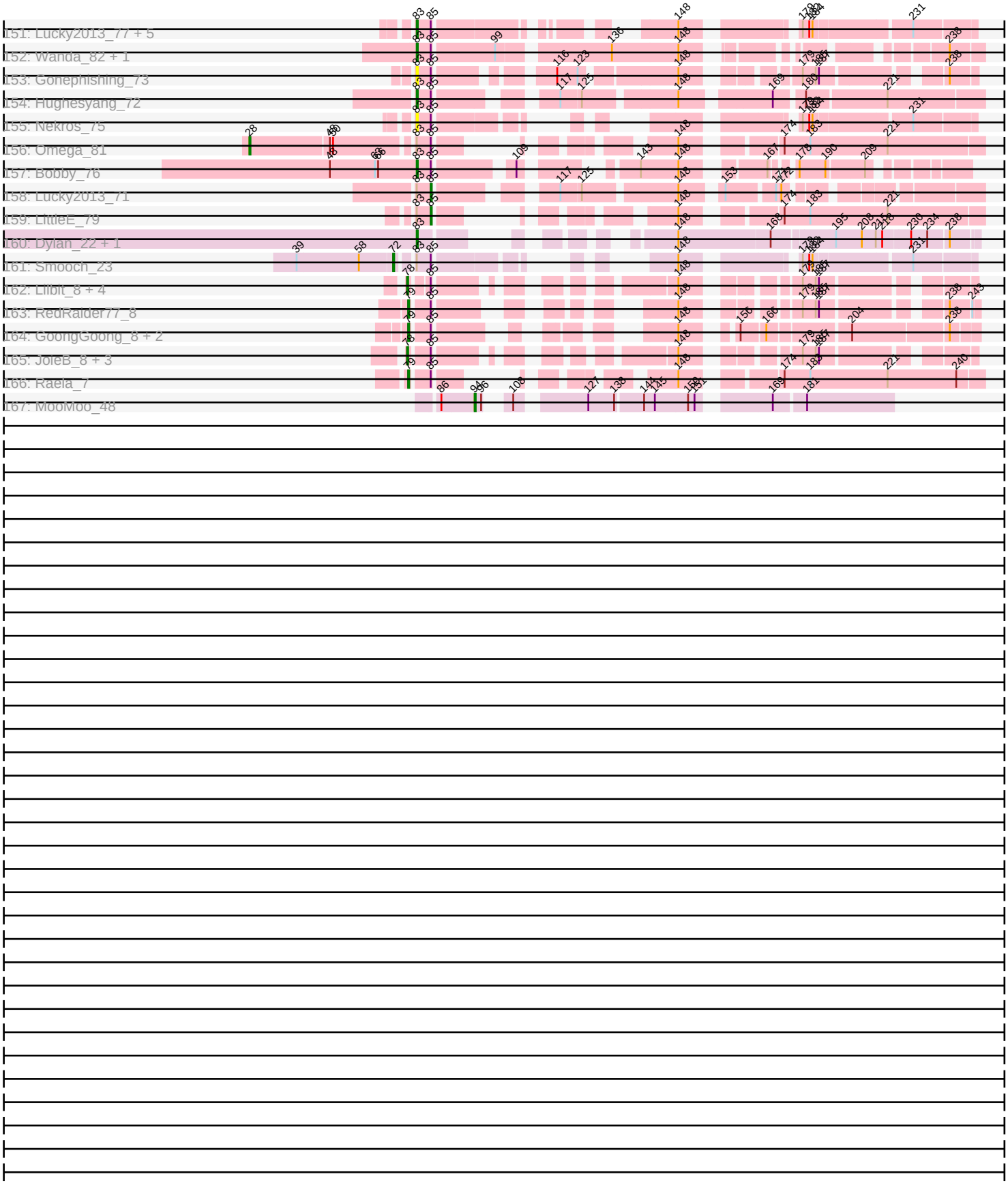
Pham 347081


51: Yassified_13 + 1
52: Kostya_43 + 16
53: Elite2014_45 + 2
54: Manda_46
55: Amao_44
56: Saints25_43 + 1
57: DoctorDiddles_44 + 3
58: Balomoji_45
59: Eureka_44
60: NonchalantPear_46 + 1
61: Simpliphy_43 + 1
62: SirDuracell_42
63: Holt_45
64: Bench_44
65: Goku_44
66: Clank_80
67: Blarby_87 + 2
68: Priscilla_82 + 2
69: Hegedechwinu_80 + 1
70: Velveteen_73 + 5
71: Drago_74 + 5
72: ArcusAngelus_83 + 1
73: Plumbus_81
74: Priscilla_76 + 8
75: Harley_78
76: SISI_75 + 4
77: Wachhund_78
78: Chuckly_76
79: Ardmore_64
80: Phalconet_76
81: Batiatus_78 + 1
82: KristaRAM_77 + 3
83: Jant_80
84: Jant_84
85: Dorothy_81 + 4
86: Brushbloom_82 + 1
87: Mantik_80 + 3
88: Sandalphon_74 + 1
89: Marker_91
90: Emma_82 + 1
91: Kenuna5_75 + 1
92: MinionDave_75 + 1
93: Jarcob_79 + 5
94: IrishSherpFalk_79 + 2
95: Lizziana_83 + 4
96: Wee_84 + 1
97: MS6_77
98: ShroomBoi_80
99: Ramsey_83
100: Fruitloop_74

Pham 347081



Pham 347081


151: Lucky2013_77 + 5
152: Wanda_82 + 1
153: Gonephishing_73
154: Hughesyang_72
155: Nekros_75
156: Omega_81
157: Bobby_76
158: Lucky2013_71
159: LittleE_79
160: Dylan_22 + 1
161: Smooch_23
162: Llibit_8 + 4
163: RedRaider77_8
164: GoongGoong_8 + 2
165: JoieB_8 + 3
166: Raela_7
167: MooMoo_48

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

Pham 347081 Report

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

Pham number 347081 has 496 members, 40 are drafts.

Phages represented in each track:
• Track 1 : Homines_53
• Track 2 : Peterson_65
• Track 3 : Dreamboat_79, Jasper_78, PherrisBueller_78
• Track 4 : MaryBeth_59, Corvo_62, MetalQZJ_58
• Track 5 : Kenmech_82, Abbyshoes_80, Dussy_79
• Track 6 : SkiPole_69
• Track 7 : Raid_77
• Track 8 : PowerRanger_59, Euphoria_59
• Track 9 : SarFire_60, Thor_60
• Track 10 : Teodoridan_77, Ajay_76
• Track 11 : Tripl3t_83
• Track 12 : TheloniousMonk_64
• Track 13 : Peterson_79
• Track 14 : Zeeculate_77
• Track 15 : Eyeball_79, KSSJEB_78, Puppet_76
• Track 16 : Ringer_61
• Track 17 : STLscum_69
• Track 18 : Alsfro_67
• Track 19 : Alvin_61
• Track 20 : Gyzlar_56
• Track 21 : Kugel_63
• Track 22 : Blue_60
• Track 23 : Zeuska_66
• Track 24 : Iqorha_56, Inyanga_56
• Track 25 : Target_63
• Track 26 : Sunshine924_66
• Track 27 : Jorgensen_64
• Track 28 : Kykar_79
• Track 29 : Fushigi_75
• Track 30 : KBG_62
• Track 31 : Saskia_70
• Track 32 : BigCity_8, InterFolia_8, EggyFarm_8, GoldenSnow_8, LordLeafolot_8, LolaVinca_8, DTDevon_8, PharkleMinkus_8, Tyke_8, Dandelion_7, FrayBell_8, Drazdys_8, Grasshills_8, Specks_8
• Track 33 : Loanshark_14, Pinkcreek_9, Teardrop_13, StubbySaigey_13, BananaFence_14, YemiJoy2021_14, Spec_13, SVoro_14, Rahel_13, Essence_13, LifeSavor_14, Belieber_12, Ewok_14, Kboogie_13, EmmaElysia_13, Bonray_14,

Dietrick_12, Ablatia_13, Jessibeth14_14, NedWong_14, Trinitium_13, Phlegm_14, ZygoTaiga_15, Delilah_14, Janiyra_13, Gizmo_15, Gamgam_13, Pivoine_13, McWolfish_14, Capablanca_14, ChickenPhender_13, Adlitam_13, ErnieJ_17, PurduePete_14, Rizal_13, Labradorite_13, Naija_13, FoxtrotP1_15, Khaleesi_14, Bowman_15, Derek_14, Caravan_16, ValleyTerrace_13, Shifa_10, Shelob_17, OrediggerDelux_15, Bipolarisk_14, Morizzled23_13, Amataga_13, InigoMontoya_14, DrPhinkDaddy_14, Sprinklers_13, Turret_13, Darko_13, Zalkecks_15, Wally_13, Bread_14, Ava3_15, Jaygup_13, Alice_12, Tortoise16_12, BobaPhatt_13, Basquiat_13, Matsumoto_13, Bezza_11, McGee_13, Shrimp_14, CindyLou_13, SilverDipper_13, Shnickers_13, ArcherS7_13, JPickles_13, BackyardAgain_12, CharlieB_15, TinyTim_14, Megamind_14, Atlantean_13, Napoleon13_13, ET08_12, ChaylaJr_13, EmToTheThree_17, Rabinovish_12, Jedediah_13, Erdmann_14, LRRHood_14, Pleione_15, HyRo_11, Quasimodo_13, SrishMeg2525_14, Ghost_14, Norm_14, Latch_13, Chomp_13, Littleton_14, Issimir_14, Zeenon_16, Maby2021_14, Daffodil_15, FudgeTart_14, Breeniome_14, Phox_14, Substance289_12, Dessert_14, EasyJones_13, Fixie_12, Ngannou_13, Babyland_13, Roots515_14, Chargie21_13, YoungMoneyMata_13, Delylah_16, ParkTD_14, Catera_13, MikeLiesIn_15, Asterius_15, Audrick_14, Blackbrain_13, JustHall_13, Melpomini_13, Willis_14, Stubby_14, GlutenPhree_13, Guwapp_13, Jemmno_12, BadAgartude_14, Fludd_13, SmallFry_13, Phusco_13, Izajani_14, Burrough_14, Yucca_13, Momo_13, Salacia_15, Gabriel_14, ShiaLabeouf_13, Bangla1971_13, Lee7_15, Flabslab_13, Cactojaque_12, Ading_13
• Track 34 : CharlieB_5, LRRHood_6, Ronan_6, Blackdragon_5, Shaqnato_6, Koguma_6, Grungle_6, Phox_6, Cali_6, Bigswole_5, Yassified_6, Lethe_6, Lukilu_6, Sprinklers_6, Duckfeet_6, IkeLoa_6, ET08_5, BeanWater_5
• Track 35 : Vortrix_21
• Track 36 : Sebata_7, JayJay_7, LinStu_7
• Track 37 : Cali_14
• Track 38 : MoMoMixon_5, Jezreel_6, ScottMcG_5, Nidhogg_5, Pio_6, Mikro_6, Bxz1_6, JulietS_6, Astraea_6, NoodleTree_6, Spud_6, Sauce_5, DirtMonster_6, Naval22_6, QBert_6
• Track 39 : Patter_13
• Track 40 : ScottMcG_15
• Track 41 : Alice_15, Bezza_14, Flabslab_16
• Track 42 : Pier_7, NuevoMundo_7, StephanieG_7
• Track 43 : RoMag_5, Kamryn_6
• Track 44 : I3_7
• Track 45 : Blackdragon_12
• Track 46 : Mangeria_6
• Track 47 : Tonenili_20
• Track 48 : Nappy_6
• Track 49 : Halldule_6
• Track 50 : Moiqah_10, Moby_10
• Track 51 : Yassified_13, Duckfeet_14
• Track 52 : Kostya_43, FireRed_45, Nimrod_45, xkcd_46, Misfit_44, Terminus_44, Petra64142_47, BugsBunny_43, PhatBacter_45, Palpatine_45, Livelaughbron_46, Phaux_44, Murica_44, BigBubba_43, HufflyPuff_44, Greep_46, Policronamos_45
• Track 53 : Elite2014_45, Lilpickle_45, ChosenOne_46
• Track 54 : Manda_46
• Track 55 : Amao_44
• Track 56 : Saints25_43, Highbury_43
• Track 57 : DoctorDiddles_44, Pat3_42, ChotaBhai_44, BaboJay_42
• Track 58 : Balomoji_45

• Track 59 : Eureka_44
• Track 60 : NonchalantPear_46, Ukulele_42
• Track 61 : Simpliphy_43, Petruchio_60
• Track 62 : SirDuracell_42
• Track 63 : Holt_45
• Track 64 : Bench_44
• Track 65 : Goku_44
• Track 66 : Clank_80
• Track 67 : Blarby_87, Zapner_87, Jabbawokkie_88
• Track 68 : Priscilla_82, Koella_74, NormanBulbieJr_80
• Track 69 : Hegedechwinu_80, Crumble_76
• Track 70 : Velveteen_73, BigPhil_72, Sarma624_77, Brookers_73, Cerasum_72, Coco12_75
• Track 71 : Drago_74, Enby_78, DirtMcgirt_76, Lorde_77, Lucia_76, UncleRicky_76
• Track 72 : ArcusAngelus_83, Chevrolet_86
• Track 73 : Plumbus_81
• Track 74 : Priscilla_76, NormanBulbieJr_75, Cabrinians_78, FreddyB_88, Koella_70, SwagPigglett_82, Brocalys_71, LastJedi_70, BobaPhett_81
• Track 75 : Harley_78
• Track 76 : SiSi_75, Girr_75, Ruby_73, MisterCuddles_76, Veteran_71
• Track 77 : Wachhund_78
• Track 78 : Chuckly_76
• Track 79 : Ardmore_64
• Track 80 : Phalconet_76
• Track 81 : Batiatus_78, Tweety_79
• Track 82 : KristaRAM_77, Nitzel_73, Bobi_85, Krakatau_74
• Track 83 : Jant_80
• Track 84 : Jant_84
• Track 85 : Dorothy_81, RedBird_81, Sassafras_81, Inventum_78, SuperGrey_79
• Track 86 : Brushbloom_82, Cheesepuff_86
• Track 87 : Martik_80, Pippy_75, Blexus_75, Leozinho_78
• Track 88 : Sandalphon_74, Minnie_76
• Track 89 : Marker_91
• Track 90 : Emma_82, Mantra_76
• Track 91 : Kenuha5_75, Gandalph_77
• Track 92 : MinionDave_75, CaptainTrips_79
• Track 93 : Jarcob_79, Clifton_72, Philus_82, James_80, OlympiaSaint_79, DRBy19_83
• Track 94 : IrishSherpFalk_79, WillSterrel_78, Bubbles123_74
• Track 95 : Lizziana_83, Saal_78, Gorge_80, Flathead_78, Donkeykong_83
• Track 96 : Wee_84, Taj_85
• Track 97 : Ms6_77
• Track 98 : ShroomBoi_80
• Track 99 : Ramsey_83
• Track 100 : Fruitloop_74
• Track 101 : Filuzino_80
• Track 102 : Rockne_78, Phatniss_74, Boomer_81, Llij_73, PMC_74
• Track 103 : Phanphagia_77, Shauna1_78, Kingsley_82
• Track 104 : Ibhubesi_77
• Track 105 : LunaBlu_82
• Track 106 : JalFarm20_87
• Track 107 : Aubs_80
• Track 108 : Radiance_78, Dante_78

• Track 109 : SG4_76
• Track 110 : Ovechkin_81
• Track 111 : Ovechkin_85
• Track 112 : Eish_82
• Track 113 : Fancypants_92
• Track 114 : Tootsieroll_77
• Track 115 : Che8_92
• Track 116 : DLane_79
• Track 117 : Firehouse51_75
• Track 118 : DeadP_80
• Track 119 : IMpilo_74
• Track 120 : PhesterPhotato_83
• Track 121 : PhesterPhotato_82
• Track 122 : SimranZ1_79
• Track 123 : XFactor_74
• Track 124 : StAnnes_81
• Track 125 : DLane_80
• Track 126 : Medindi_83
• Track 127 : Ms6_78
• Track 128 : IbOuu_74
• Track 129 : Fancypants_85
• Track 130 : Rita_85
• Track 131 : Marker_82
• Track 132 : Tchotchke_75
• Track 133 : Ogopogo_85
• Track 134 : DaWorst_79
• Track 135 : Eradicator_69
• Track 136 : Whatsapiecost_73
• Track 137 : Whouxphf_84
• Track 138 : Avani_86
• Track 139 : Yoshi_94
• Track 140 : Soul22_81
• Track 141 : Che9d_91
• Track 142 : Renaud18_89
• Track 143 : Cornie_74
• Track 144 : Okabe_75, Mwanjiwa_82
• Track 145 : KashFlow_71
• Track 146 : BronnyJames_76, Shaboozey_75, Nibley_69
• Track 147 : Redno2_70, DmpstrDiver_73, Zelink_71, Schatzie_68, Phoebus_76, Dallas_72, Odette_72, Halley_75, Kalah2_68, Ejimix_73, Squint_74, JuicyJay_72, HokkenD_66, Porcelain_73, Superphikiman_71, MiaZeal_74, Beem_73, NihilNomen_74, Ariel_73
• Track 148 : Hannaconda_73
• Track 149 : ThreeRngTarjay_71
• Track 150 : Shaboozey_67, BronnyJames_68
• Track 151 : Lucky2013_77, Squint_80, Porcelain_79, MiaZeal_80, Superphikiman_77, Ariel_79
• Track 152 : Wanda_82, Klein_78
• Track 153 : Gonephishing_73
• Track 154 : Hughesyang_72
• Track 155 : Nekros_75
• Track 156 : Omega_81
• Track 157 : Bobby_76

• Track 158 : Lucky2013_71
• Track 159 : LittleE_79
• Track 160 : Dylan_22, Zakhe101_23
• Track 161 : Smooch_23
• Track 162 : Lilbit_8, FeliMaine_8, Pringar_7, Beelzebub_9, Clarkson_8
• Track 163 : RedRaider77_8
• Track 164 : GoongGoong_8, MosMoris_9, Gattaca_9
• Track 165 : JoieB_8, Huphlepuff_7, LittleLaf_7, Corazon_7
• Track 166 : Raela_7
• Track 167 : MooMoo_48

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

The start number called the most often in the published annotations is 79, it was called in 234 of the 456 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ablatia_13, Ading_13, Adlitam_13, Alice_12, Alsfro_67, Alvin_61, Amataga_13, ArcherS7_13, ArcusAngelus_83, Ardmore_64, Asterius_15, Atlantean_13, Aubs_80, Audrick_14, Ava3_15, Avani_86, Babyland_13, BackyardAgain_12, BadAgartude_14, BananaFence_14, Bangla1971_13, Basquiat_13, Batiatus_78, Belieber_12, Bezza_11, BigPhil_72, Bipolarisk_14, Blackbrain_13, Blackdragon_12, Blarby_87, BobaPhatt_13, BobaPhett_81, Bobi_85, Bonray_14, Bowman_15, Bread_14, Breeniome_14, Brocalys_71, Brookers_73, Bubbles123_74, Burrough_14, Cabrinians_78, Cactojaque_12, Cali_14, Capablanca_14, Caravan_16, Catera_13, Cerasum_72, Chargie21_13, CharlieB_15, ChaylaJr_13, Chevrolet_86, ChickenPhender_13, Chomp_13, Chuckly_76, CindyLou_13, Clank_80, Coco12_75, Cornie_74, Crumble_76, DLane_79, DaWorst_79, Daffodil_15, Darko_13, DeadP_80, Delilah_14, Delylah_16, Derek_14, Dessert_14, Dietrick_12, Donkeykong_83, Dorothy_81, DrPhinkDaddy_14, Duckfeet_14, ET08_12, EasyJones_13, Eish_82, EmToTheThree_17, EmmaElysia_13, Emma_82, Erdmann_14, ErnieJ_17, Essence_13, Ewok_14, Filuzino_80, Firehouse51_75, Fixie_12, Flabslab_13, Flathead_78, Fludd_13, FoxtrotP1_15, FreddyB_88, FudgeTart_14, Gabriel_14, Gamgam_13, Gandalph_77, Gattaca_9, Ghost_14, Girr_75, Gizmo_15, GlutenPhree_13, GoongGoong_8, Gorge_80, Guwapp_13, Hegedechwinu_80, Highbury_43, HyRo_11, IbOuu_74, Ibhubesi_77, InigoMontoya_14, Inventum_78, Inyanga_56, Iqorha_56, IrishSherpFalk_79, Issimir_14, Izajani_14, JPickles_13, Jabbawokkie_88, JalFarm20_87, Janiyra_13, Jant_80, Jaygup_13, Jedediah_13, Jemmno_12, Jessibeth14_14, JustHall_13, Kboogie_13, Kenuha5_75, Khaleesi_14, Kingsley_82, Koella_70, Krakatau_74, KristaRAM_77, LRRHood_14, Labradorite_13, LastJedi_70, Latch_13, Lee7_15, LifeSavor_14, Littleton_14, Lizziana_83, Loanshark_14, LunaBlu_82, Maby2021_14, Mantra_76, Matsumoto_13, McGee_13, McWolfish_14, Megamind_14, Melpomini_13, MikeLiesIn_15, Minnie_76, MisterCuddles_76, Moby_10, Moiqah_10, Momo_13, Morizzled23_13, MosMoris_9, Mwanjiwa_82, Naija_13, Napoleon13_13, NedWong_14, Ngannou_13, Nitzel_73, Norm_14, NormanBulbieJr_75, Okabe_75, OrediggerDelux_15, ParkTD_14, Phalconet_76, Phanphagia_77, PhesterPhotato_82, Phlegm_14, Phox_14, Phusco_13, Pinkcreek_9, Pivoine_13, Pleione_15, Priscilla_76, PurduePete_14, Quasimodo_13, Rabinovish_12, Raela_7, Rahel_13, Ramsey_83, RedBird_81, RedRaider77_8, Renaud18_89, Rizal_13, Roots515_14, Ruby_73, SG4_76,

SVoro_14, Saal_78, Saints25_43, Salacia_15, Sandalphon_74, Sarma624_77, Sassafras_81, ScottMcG_15, Shauna1_78, Shelob_17, ShiaLabeouf_13, Shifa_10, Shnickers_13, Shrimp_14, ShroomBoi_80, SiSi_75, SilverDipper_13, SmallFry_13, Soul22_81, Spec_13, Sprinklers_13, SrishMeg2525_14, StAnnes_81, StubbySaigey_13, Stubby_14, Substance289_12, SuperGrey_79, SwagPigglett_82, Taj_85, Teardrop_13, TheloniousMonk_64, TinyTim_14, Tonenili_20, Tootsieroll_77, Tortoise16_12, Trinitium_13, Turret_13, Tweety_79, ValleyTerrace_13, Velveteen_73, Veteran_71, Wachhund_78, Wally_13, Wee_84, Whatsapiecost_73, WillSterrel_78, Willis_14, XFactor_74, Yassified_13, YemiJoy2021_14, YoungMoneyMata_13, Yucca_13, Zalkecks_15, Zapner_87, Zeenon_16, ZygoTaiga_15,

Genes that have the "Most Annotated" start but do not call it:
• Patter_13, Vortrix_21,

Genes that do not have the "Most Annotated" start:
• Abbyshoes_80, Ajay_76, Alice_15, Amao_44, Ariel_73, Ariel_79, Astraea_6, BaboJay_42, Balomoji_45, BeanWater_5, Beelzebub_9, Beem_73, Bench_44, Bezza_14, BigBubba_43, BigCity_8, Bigswole_5, Blackdragon_5, Blexus_75, Blue_60, Bobby_76, Boomer_81, BronnyJames_68, BronnyJames_76, Brushbloom_82, BugsBunny_43, Bxz1_6, Cali_6, CaptainTrips_79, CharlieB_5, Che8_92, Che9d_91, Cheesepuff_86, ChosenOne_46, ChotaBhai_44, Clarkson_8, Clifton_72, Corazon_7, Corvo_62, DLane_80, DRBy19_83, DTDevon_8, Dallas_72, Dandelion_7, Dante_78, DirtMcgirt_76, DirtMonster_6, DmpstrDiver_73, DoctorDiddles_44, Drago_74, Drazdys_8, Dreamboat_79, Duckfeet_6, Dussy_79, Dylan_22, ET08_5, EggyFarm_8, Ejimix_73, Elite2014_45, Enby_78, Eradicator_69, Euphoria_59, Eureka_44, Eyeball_79, Fancypants_85, Fancypants_92, FeliMaine_8, FireRed_45, Flabslab_16, FrayBell_8, Fruitloop_74, Fushigi_75, Goku_44, GoldenSnow_8, Gonephishing_73, Grasshills_8, Greep_46, Grungle_6, Gyzlar_56, Halldule_6, Halley_75, Hannaconda_73, Harley_78, HokkenD_66, Holt_45, Homines_53, HufflyPuff_44, Hughesyang_72, Huphlepuff_7, I3_7, IMpilo_74, IkeLoa_6, InterFolia_8, James_80, Jant_84, Jarcob_79, Jasper_78, JayJay_7, Jezreel_6, JoieB_8, Jorgensen_64, JuicyJay_72, JulietS_6, KBG_62, KSSJEB_78, Kalah2_68, Kamryn_6, KashFlow_71, Kenmech_82, Klein_78, Koella_74, Koguma_6, Kostya_43, Kugel_63, Kykar_79, LRRHood_6, Leozinho_78, Lethe_6, Lilbit_8, Lilpickle_45, LinStu_7, LittleE_79, LittleLaf_7, Livelaughbron_46, Llij_73, LolaVinca_8, LordLeafolot_8, Lorde_77, Lucia_76, Lucky2013_71, Lucky2013_77, Lukilu_6, Manda_46, Mangeria_6, Marker_82, Marker_91, Martik_80, MaryBeth_59, Medindi_83, MetalQZJ_58, MiaZeal_74, MiaZeal_80, Mikro_6, MinionDave_75, Misfit_44, MoMoMixon_5, MooMoo_48, Ms6_77, Ms6_78, Murica_44, Nappy_6, Naval22_6, Nekros_75, Nibley_69, Nidhogg_5, NihilNomen_74, Nimrod_45, NonchalantPear_46, NoodleTree_6, NormanBulbieJr_80, NuevoMundo_7, Odette_72, Ogopogo_85, OlympiaSaint_79, Omega_81, Ovechkin_81, Ovechkin_85, PMC_74, Palpatine_45, Pat3_42, Peterson_65, Peterson_79, Petra64142_47, Petruchio_60, PharkleMinkus_8, PhatBacter_45, Phatniss_74, Phaux_44, PherrisBueller_78, PhesterPhotato_83, Philus_82, Phoebus_76, Phox_6, Pier_7, Pio_6, Pippy_75, Plumbus_81, Policronamos_45, Porcelain_73, Porcelain_79, PowerRanger_59, Pringar_7, Priscilla_82, Puppet_76, QBert_6, Radiance_78, Raid_77, Redno2_70, Ringer_61, Rita_85, RoMag_5, Rockne_78, Ronan_6, STLscum_69, SarFire_60, Saskia_70, Sauce_5, Schatzie_68, ScottMcG_5, Sebata_7, Shaboozey_67, Shaboozey_75, Shaqnato_6, Simpliphy_43, SimranZ1_79, SirDuracell_42, SkiPole_69, Smooch_23, Specks_8, Sprinklers_6, Spud_6, Squint_74, Squint_80, StephanieG_7, Sunshine924_66, Superphikiman_71,

Superphikiman_77, Target_63, Tchotchke_75, Teodoridan_77, Terminus_44, Thor_60, ThreeRngTarjay_71, Tripl3t_83, Tyke_8, Ukulele_42, UncleRicky_76, Wanda_82, Whouxphf_84, Yassified_6, Yoshi_94, Zakhe101_23, Zeeculate_77, Zelink_71, Zeuska_66, xkcd_46,

Summary by start number:

Start 28:
• Found in 1 of 496 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 456
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Omega_81 (J),

Start 36:
• Found in 7 of 496 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 456
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Yoshi_94 (F2),

Start 42:
• Found in 1 of 496 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 456
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Plumbus_81 (F1),

Start 45:
• Found in 1 of 496 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 456
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SirDuracell_42 (E),

Start 49:
• Found in 1 of 496 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 456
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Saskia_70 (A11),

Start 59:
• Found in 1 of 496 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 456
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Peterson_79 (A1),

Start 67:
• Found in 5 of 496 (1.0%) of genes in pham
• Manual Annotations of this start: 2 of 456
• Called 40.0% of time when present
• Phage (with cluster) where this start called: NonchalantPear_46 (E), Ukulele_42 (E),

Start 68:
• Found in 1 of 496 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 456
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Ovechkin_85 (F1),

Start 72:
• Found in 3 of 496 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 456
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Eureka_44 (E), Smooch_23 (O),

Start 73:
• Found in 3 of 496 (0.6%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Ms6_77 (F1),

Start 76:
• Found in 1 of 496 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 456
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rita_85 (F1),

Start 77:
• Found in 2 of 496 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 456
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Fruitloop_74 (F1),

Start 78:
• Found in 21 of 496 (4.2%) of genes in pham
• Manual Annotations of this start: 19 of 456
• Called 90.5% of time when present
• Phage (with cluster) where this start called: Beelzebub_9 (S), Clarkson_8 (S), Clifton_72 (F1), Corazon_7 (S), DLane_80 (F1), DRBy19_83 (F1), FeliMaine_8 (S), Goku_44 (E), Harley_78 (F1), Huphlepuff_7 (S), James_80 (F1), Jarcob_79 (F1), JoieB_8 (S), Lilbit_8 (S), LittleLaf_7 (S), Manda_46 (E), OlympiaSaint_79 (F1), Philus_82 (F1), Pringar_7 (S),

Start 79:
• Found in 250 of 496 (50.4%) of genes in pham
• Manual Annotations of this start: 234 of 456
• Called 99.2% of time when present
• Phage (with cluster) where this start called: Ablatia_13 (C1), Ading_13 (C1), Adlitam_13 (C1), Alice_12 (C1), Alsfro_67 (A1), Alvin_61 (A1), Amataga_13 (C1), ArcherS7_13 (C1), ArcusAngelus_83 (F1), Ardmore_64 (F1), Asterius_15 (C1), Atlantean_13 (C1), Aubs_80 (F1), Audrick_14 (C1), Ava3_15 (C1), Avani_86 (F2), Babyland_13 (C1), BackyardAgain_12 (C1), BadAgartude_14 (C1), BananaFence_14 (C1), Bangla1971_13 (C1), Basquiat_13 (C1), Batiatus_78 (F1), Belieber_12 (C1), Bezza_11 (C1), BigPhil_72 (F1), Bipolarisk_14 (C1), Blackbrain_13 (C1), Blackdragon_12 (C1), Blarby_87 (F), BobaPhatt_13 (C1), BobaPhett_81 (F1), Bobi_85 (F1), Bonray_14 (C1), Bowman_15 (C1), Bread_14 (C1), Breeniome_14 (C1), Brocalys_71 (F1), Brookers_73 (F1), Bubbles123_74 (F1), Burrough_14 (C1), Cabrinians_78 (F1), Cactojaque_12 (C1), Cali_14 (C1), Capablanca_14 (C1), Caravan_16 (C1), Catera_13 (C1), Cerasum_72 (F1), Chargie21_13 (C1), CharlieB_15 (C1), ChaylaJr_13 (C1), Chevrolet_86 (F1), ChickenPhender_13 (C1),

Chomp_13 (C1), Chuckly_76 (F1), CindyLou_13 (C1), Clank_80 (F), Coco12_75 (F1), Cornie_74 (F5), Crumble_76 (F1), DLane_79 (F1), DaWorst_79 (F1), Daffodil_15 (C1), Darko_13 (C1), DeadP_80 (F1), Delilah_14 (C1), Delylah_16 (C1), Derek_14 (C1), Dessert_14 (C1), Dietrick_12 (C1), Donkeykong_83 (F1), Dorothy_81 (F1), DrPhinkDaddy_14 (C1), Duckfeet_14 (C1), ET08_12 (C1), EasyJones_13 (C1), Eish_82 (F1), EmToTheThree_17 (C1), EmmaElysia_13 (C1), Emma_82 (F1), Erdmann_14 (C1), ErnieJ_17 (C1), Essence_13 (C1), Ewok_14 (C1), Filuzino_80 (F1), Firehouse51_75 (F1), Fixie_12 (C1), Flabslab_13 (C1), Flathead_78 (F1), Fludd_13 (C1), FoxtrotP1_15 (C1), FreddyB_88 (F1), FudgeTart_14 (C1), Gabriel_14 (C1), Gamgam_13 (C1), Gandalph_77 (F1), Gattaca_9 (S), Ghost_14 (C1), Girr_75 (F1), Gizmo_15 (C1), GlutenPhree_13 (C1), GoongGoong_8 (S), Gorge_80 (F1), Guwapp_13 (C1), Hegedechwinu_80 (F1), Highbury_43 (E), HyRo_11 (C1), IbOuu_74 (F1), Ibhubesi_77 (F1), InigoMontoya_14 (C1), Inventum_78 (F1), Inyanga_56 (A1), Iqorha_56 (A1), IrishSherpFalk_79 (F1), Issimir_14 (C1), Izajani_14 (C1), JPickles_13 (C1), Jabbawokkie_88 (F2), JalFarm20_87 (F1), Janiyra_13 (C1), Jant_80 (F1), Jaygup_13 (C1), Jedediah_13 (C1), Jemmno_12 (C1), Jessibeth14_14 (C1), JustHall_13 (C1), Kboogie_13 (C1), Kenuha5_75 (F1), Khaleesi_14 (C1), Kingsley_82 (F1), Koella_70 (F1), Krakatau_74 (F1), KristaRAM_77 (F1), LRRHood_14 (C1), Labradorite_13 (C1), LastJedi_70 (F1), Latch_13 (C1), Lee7_15 (C1), LifeSavor_14 (C1), Littleton_14 (C1), Lizziana_83 (F1), Loanshark_14 (C1), LunaBlu_82 (F1), Maby2021_14 (C1), Mantra_76 (F1), Matsumoto_13 (C1), McGee_13 (C1), McWolfish_14 (C1), Megamind_14 (C1), Melpomini_13 (C1), MikeLiesIn_15 (C1), Minnie_76 (F1), MisterCuddles_76 (F1), Moby_10 (C1), Moiqah_10 (C1), Momo_13 (C1), Morizzled23_13 (C1), MosMoris_9 (S), Mwanjiwa_82 (F1), Naija_13 (C1), Napoleon13_13 (C1), NedWong_14 (C1), Ngannou_13 (C1), Nitzel_73 (F1), Norm_14 (C1), NormanBulbieJr_75 (F1), Okabe_75 (F8), OrediggerDelux_15 (C1), ParkTD_14 (C1), Phalconet_76 (F1), Phanphagia_77 (F1), PhesterPhotato_82 (F1), Phlegm_14 (C1), Phox_14 (C1), Phusco_13 (C1), Pinkcreek_9 (C1), Pivoine_13 (C1), Pleione_15 (C1), Priscilla_76 (F1), PurduePete_14 (C1), Quasimodo_13 (C1), Rabinovish_12 (C1), Raela_7 (S), Rahel_13 (C1), Ramsey_83 (F1), RedBird_81 (F1), RedRaider77_8 (S), Renaud18_89 (F4), Rizal_13 (C1), Roots515_14 (C1), Ruby_73 (F1), SG4_76 (F1), SVoro_14 (C1), Saal_78 (F1), Saints25_43 (E), Salacia_15 (C1), Sandalphon_74 (F1), Sarma624_77 (F1), Sassafras_81 (F1), ScottMcG_15 (C1), Shauna1_78 (F1), Shelob_17 (C1), ShiaLabeouf_13 (C1), Shifa_10 (C1), Shnickers_13 (C1), Shrimp_14 (C1), ShroomBoi_80 (F1), SiSi_75 (F1), SilverDipper_13 (C1), SmallFry_13 (C1), Soul22_81 (F2), Spec_13 (C1), Sprinklers_13 (C1), SrishMeg2525_14 (C1), StAnnes_81 (F1), StubbySaigey_13 (C1), Stubby_14 (C1), Substance289_12 (C1), SuperGrey_79 (F1), SwagPigglett_82 (F1), Taj_85 (F1), Teardrop_13 (C1), TheloniousMonk_64 (A1), TinyTim_14 (C1), Tonenili_20 (C1), Tootsieroll_77 (F1), Tortoise16_12 (C1), Trinitium_13 (C1), Turret_13 (C1), Tweety_79 (F1), ValleyTerrace_13 (C1), Velveteen_73 (F1), Veteran_71 (F1), Wachhund_78 (F1), Wally_13 (C1), Wee_84 (F1), Whatsapiecost_73 (F1), WillSterrel_78 (F1), Willis_14 (C1), XFactor_74 (F1), Yassified_13 (C1), YemiJoy2021_14 (C1), YoungMoneyMata_13 (C1), Yucca_13 (C1), Zalkecks_15 (C1), Zapner_87 (F2), Zeenon_16 (C1), ZygoTaiga_15 (C1),

Start 80:
• Found in 7 of 496 (1.4%) of genes in pham
• Manual Annotations of this start: 7 of 456
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Blexus_75 (F1), Dante_78 (F1), Leozinho_78 (F1), Martik_80 (F1), Pippy_75 (F1), Radiance_78 (F1), SimranZ1_79

(F1),

Start 81:
• Found in 16 of 496 (3.2%) of genes in pham
• Manual Annotations of this start: 15 of 456
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Boomer_81 (F1), DirtMcgirt_76 (F1), Drago_74 (F1), Enby_78 (F1), Eradicator_69 (F1), IMpilo_74 (F1), KashFlow_71 (J), Llij_73 (F1), Lorde_77 (F1), Lucia_76 (F1), Ovechkin_81 (F1), PMC_74 (F1), Phatniss_74 (F1), Rockne_78 (F1), Tchotchke_75 (F1), UncleRicky_76 (F1),

Start 82:
• Found in 1 of 496 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Medindi_83 (F1),

Start 83:
• Found in 173 of 496 (34.9%) of genes in pham
• Manual Annotations of this start: 143 of 456
• Called 92.5% of time when present
• Phage (with cluster) where this start called: Abbyshoes_80 (A1), Ajay_76 (A1), Alice_15 (C1), Amao_44 (E), Ariel_73 (J), Ariel_79 (J), Astraea_6 (C1), BaboJay_42 (E), Balomoji_45 (E), BeanWater_5 (C1), Beem_73 (J), Bench_44 (E), Bezza_14 (C1), BigBubba_43 (E), Bigswole_5 (C1), Blackdragon_5 (C1), Blue_60 (A1), Bobby_76 (J), BronnyJames_68 (J), BronnyJames_76 (J), BugsBunny_43 (E), Bxz1_6 (C1), Cali_6 (C1), CaptainTrips_79 (F1), CharlieB_5 (C1), Che8_92 (F1), Che9d_91 (F2), ChosenOne_46 (E), ChotaBhai_44 (E), Corvo_62 (A1), Dallas_72 (J), DirtMonster_6 (C1), DmpstrDiver_73 (J), DoctorDiddles_44 (E), Dreamboat_79 (A1), Duckfeet_6 (C1), Dussy_79 (A1), Dylan_22 (O), ET08_5 (C1), Ejimix_73 (J), Elite2014_45 (E), Euphoria_59 (A1), Eyeball_79 (A1), Fancypants_85 (F1), Fancypants_92 (F1), FireRed_45 (E), Flabslab_16 (C1), Fushigi_75 (A1), Gonephishing_73 (J), Greep_46 (E), Grungle_6 (C1), Gyzlar_56 (A1), Halldule_6 (C1), Halley_75 (J), Hannaconda_73 (J), HokkenD_66 (J), Holt_45 (E), Homines_53 (A1), HufflyPuff_44 (E), Hughesyang_72 (J), I3_7 (C1), IkeLoa_6 (C1), Jant_84 (F1), Jasper_78 (A1), Jezreel_6 (C1), Jorgensen_64 (A1), JuicyJay_72 (J), JulietS_6 (C1), KBG_62 (A1), KSSJEB_78 (A1), Kalah2_68 (J), Kenmech_82 (A1), Klein_78 (J), Koella_74 (F1), Koguma_6 (C1), Kostya_43 (E), Kugel_63 (A1), Kykar_79 (A1), LRRHood_6 (C1), Lethe_6 (C1), Lilpickle_45 (E), Livelaughbron_46 (E), Lucky2013_77 (J), Lukilu_6 (C1), Mangeria_6 (C1), Marker_82 (F1), Marker_91 (F1), MaryBeth_59 (A1), MetalQZJ_58 (A1), MiaZeal_74 (J), MiaZeal_80 (J), Mikro_6 (C1), MinionDave_75 (F1), Misfit_44 (E), MoMoMixon_5 (C1), Murica_44 (E), Naval22_6 (C1), Nekros_75 (J), Nibley_69 (J), Nidhogg_5 (C1), NihilNomen_74 (J), Nimrod_45 (E), NoodleTree_6 (C1), NormanBulbieJr_80 (F1), Odette_72 (J), Ogopogo_85 (F1), Palpatine_45 (E), Pat3_42 (E), Peterson_65 (A1), Petra64142_47 (E), Petruchio_60 (A1), PhatBacter_45 (E), Phaux_44 (E), PherrisBueller_78 (A1), PhesterPhotato_83 (F1), Phoebus_76 (J), Phox_6 (C1), Pio_6 (C1), Policronamos_45 (E), Porcelain_73 (J), Porcelain_79 (J), PowerRanger_59 (A1), Priscilla_82 (F1), Puppet_76 (A1), QBert_6 (C1), Raid_77 (A1), Redno2_70 (J), Ringer_61 (A1), Ronan_6 (C1), STLscum_69 (A1), SarFire_60 (A1), Sauce_5 (C1), Schatzie_68 (J), ScottMcG_5 (C1), Shaboozey_67 (J), Shaboozey_75 (J), Shaqnato_6 (C1), Simpliphy_43 (E), SkiPole_69 (A1), Sprinklers_6 (C1), Spud_6 (C1), Squint_74 (J), Squint_80 (J), Sunshine924_66 (A1), Superphikiman_71 (J), Superphikiman_77 (J), Target_63 (A1),

Teodoridan_77 (A1), Terminus_44 (E), Thor_60 (A1), ThreeRngTarjay_71 (J), Tripl3t_83 (A1), Wanda_82 (J), Whouxphf_84 (F1), Yassified_6 (C1), Zakhe101_23 (O), Zeeculate_77 (A1), Zelink_71 (J), Zeuska_66 (A1), xkcd_46 (E),

Start 85:
• Found in 437 of 496 (88.1%) of genes in pham
• Manual Annotations of this start: 5 of 456
• Called 1.1% of time when present
• Phage (with cluster) where this start called: Kamryn_6 (C1), LittleE_79 (J), Lucky2013_71 (J), Patter_13 (C1), RoMag_5 (C1),

Start 91:
• Found in 6 of 496 (1.2%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Vortrix_21 (C1),

Start 93:
• Found in 21 of 496 (4.2%) of genes in pham
• Manual Annotations of this start: 17 of 456
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BigCity_8 (C1), DTDevon_8 (C1), Dandelion_7 (C1), Drazdys_8 (C1), EggyFarm_8 (C1), FrayBell_8 (C1), GoldenSnow_8 (C1), Grasshills_8 (C1), InterFolia_8 (C1), JayJay_7 (C1), LinStu_7 (C1), LolaVinca_8 (C1), LordLeafolot_8 (C1), Nappy_6 (C1), NuevoMundo_7 (C1), PharkleMinkus_8 (C1), Pier_7 (C1), Sebata_7 (C1), Specks_8 (C1), StephanieG_7 (C1), Tyke_8 (C1),

Start 94:
• Found in 1 of 496 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 456
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MooMoo_48 (singleton),

Start 97:
• Found in 2 of 496 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 456
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Brushbloom_82 (F1), Cheesepuff_86 (F1),

Start 101:
• Found in 11 of 496 (2.2%) of genes in pham
• No Manual Annotations of this start.
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Ms6_78 (F1),

Summary by clusters:

There are 14 clusters represented in this pham: F1, F2, E, F5, F, F8, F4, J, singleton, O, A1, S, A11, C1,

Info for manual annotations of cluster A1:

•Start number 59 was manually annotated 1 time for cluster A1.
•Start number 79 was manually annotated 3 times for cluster A1.
•Start number 83 was manually annotated 36 times for cluster A1.

Info for manual annotations of cluster A11:
•Start number 49 was manually annotated 1 time for cluster A11.

Info for manual annotations of cluster C1:
•Start number 79 was manually annotated 142 times for cluster C1.
•Start number 83 was manually annotated 36 times for cluster C1.
•Start number 85 was manually annotated 3 times for cluster C1.
•Start number 93 was manually annotated 17 times for cluster C1.

Info for manual annotations of cluster E:
•Start number 45 was manually annotated 1 time for cluster E.
•Start number 67 was manually annotated 2 times for cluster E.
•Start number 72 was manually annotated 1 time for cluster E.
•Start number 78 was manually annotated 2 times for cluster E.
•Start number 79 was manually annotated 2 times for cluster E.
•Start number 83 was manually annotated 25 times for cluster E.

Info for manual annotations of cluster F1:
•Start number 42 was manually annotated 1 time for cluster F1.
•Start number 68 was manually annotated 1 time for cluster F1.
•Start number 76 was manually annotated 1 time for cluster F1.
•Start number 77 was manually annotated 1 time for cluster F1.
•Start number 78 was manually annotated 8 times for cluster F1.
•Start number 79 was manually annotated 76 times for cluster F1.
•Start number 80 was manually annotated 7 times for cluster F1.
•Start number 81 was manually annotated 14 times for cluster F1.
•Start number 83 was manually annotated 13 times for cluster F1.
•Start number 97 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 36 was manually annotated 1 time for cluster F2.
•Start number 79 was manually annotated 4 times for cluster F2.
•Start number 83 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster F4:
•Start number 79 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster F5:
•Start number 79 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster J:
•Start number 28 was manually annotated 1 time for cluster J.
•Start number 81 was manually annotated 1 time for cluster J.
•Start number 83 was manually annotated 30 times for cluster J.
•Start number 85 was manually annotated 2 times for cluster J.

Info for manual annotations of cluster O:

•Start number 72 was manually annotated 1 time for cluster O.
•Start number 83 was manually annotated 2 times for cluster O.

Info for manual annotations of cluster S:
•Start number 78 was manually annotated 9 times for cluster S.
•Start number 79 was manually annotated 5 times for cluster S.

Gene Information:

Gene: Abbyshoes_80 Start: 47965, Stop: 47543, Start Num: 83
Candidate Starts for Abbyshoes_80:
(Start: 83 @47965 has 143 MA's), (Start: 85 @47953 has 5 MA's), (148, 47797), (174, 47725), (183, 47701), (221, 47629), (240, 47566),

Gene: Ablatia_13 Start: 3972, Stop: 4337, Start Num: 79
Candidate Starts for Ablatia_13:
(Start: 79 @3972 has 234 MA's), (Start: 85 @3987 has 5 MA's), (148, 4122), (179, 4200), (185, 4212), (187, 4215), (238, 4308),

Gene: Ading_13 Start: 3949, Stop: 4314, Start Num: 79
Candidate Starts for Ading_13:
(Start: 79 @3949 has 234 MA's), (Start: 85 @3964 has 5 MA's), (148, 4099), (179, 4177), (185, 4189), (187, 4192), (238, 4285),

Gene: Adlitam_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Adlitam_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Ajay_76 Start: 46873, Stop: 46502, Start Num: 83
Candidate Starts for Ajay_76:
(Start: 83 @46873 has 143 MA's), (Start: 85 @46861 has 5 MA's), (105, 46825), (121, 46783), (136, 46759), (148, 46717), (185, 46627), (187, 46624), (225, 46561), (240, 46525),

Gene: Alice_12 Start: 4384, Stop: 4734, Start Num: 79
Candidate Starts for Alice_12:
(Start: 79 @4384 has 234 MA's), (Start: 85 @4399 has 5 MA's), (148, 4519), (179, 4597), (185, 4609), (187, 4612), (238, 4705),

Gene: Alice_15 Start: 5418, Stop: 5885, Start Num: 83
Candidate Starts for Alice_15:
(21, 5256), (Start: 83 @5418 has 143 MA's), (Start: 85 @5430 has 5 MA's), (136, 5580), (148, 5640), (235, 5811),

Gene: Alsfro_67 Start: 41490, Stop: 41089, Start Num: 79
Candidate Starts for Alsfro_67:
(7, 41700), (10, 41691), (53, 41547), (54, 41544), (Start: 79 @41490 has 234 MA's), (Start: 85 @41478 has 5 MA's), (101, 41433), (117, 41394), (148, 41298), (152, 41271), (154, 41265), (160, 41244), (191, 41196),

Gene: Alvin_61 Start: 40955, Stop: 40545, Start Num: 79

Candidate Starts for Alvin_61:
(10, 41156), (53, 41012), (54, 41009), (Start: 79 @40955 has 234 MA's), (101, 40898), (117, 40859), (148, 40763),

Gene: Amao_44 Start: 35225, Stop: 34809, Start Num: 83
Candidate Starts for Amao_44:
(71, 35246), (75, 35234), (Start: 83 @35225 has 143 MA's), (Start: 85 @35213 has 5 MA's), (148, 35039), (185, 34937), (211, 34895),

Gene: Amataga_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Amataga_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: ArcherS7_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for ArcherS7_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: ArcusAngelus_83 Start: 49676, Stop: 50101, Start Num: 79
Candidate Starts for ArcusAngelus_83:
(Start: 79 @49676 has 234 MA's), (110, 49751), (141, 49823), (148, 49856), (174, 49928), (183, 49952), (221, 50024), (240, 50087),

Gene: Ardmore_64 Start: 42842, Stop: 43237, Start Num: 79
Candidate Starts for Ardmore_64:
(Start: 79 @42842 has 234 MA's), (Start: 85 @42857 has 5 MA's), (177, 43079), (179, 43085), (192, 43109), (238, 43208),

Gene: Ariel_79 Start: 48566, Stop: 48168, Start Num: 83
Candidate Starts for Ariel_79:
(Start: 83 @48566 has 143 MA's), (Start: 85 @48554 has 5 MA's), (148, 48398), (179, 48314), (182, 48308), (184, 48305), (231, 48221),

Gene: Ariel_73 Start: 46707, Stop: 46291, Start Num: 83
Candidate Starts for Ariel_73:
(Start: 83 @46707 has 143 MA's), (Start: 85 @46695 has 5 MA's), (117, 46611), (125, 46593), (148, 46515), (153, 46485), (171, 46446), (172, 46443),

Gene: Asterius_15 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Asterius_15:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Astraea_6 Start: 1759, Stop: 2151, Start Num: 83
Candidate Starts for Astraea_6:
(Start: 83 @1759 has 143 MA's), (Start: 85 @1771 has 5 MA's), (100, 1819), (107, 1825), (133, 1888), (148, 1942), (179, 2020), (185, 2032), (187, 2035),

Gene: Atlantean_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Atlantean_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Aubs_80 Start: 49176, Stop: 49556, Start Num: 79
Candidate Starts for Aubs_80:
(Start: 79 @49176 has 234 MA's), (Start: 85 @49191 has 5 MA's), (177, 49398), (179, 49404), (192, 49428), (238, 49527),

Gene: Audrick_14 Start: 3949, Stop: 4314, Start Num: 79
Candidate Starts for Audrick_14:
(Start: 79 @3949 has 234 MA's), (Start: 85 @3964 has 5 MA's), (148, 4099), (179, 4177), (185, 4189), (187, 4192), (238, 4285),

Gene: Ava3_15 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Ava3_15:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Avani_86 Start: 46087, Stop: 46437, Start Num: 79
Candidate Starts for Avani_86:
(Start: 79 @46087 has 234 MA's), (Start: 85 @46102 has 5 MA's), (148, 46237), (157, 46267), (178, 46303), (210, 46354),

Gene: BaboJay_42 Start: 35493, Stop: 35068, Start Num: 83
Candidate Starts for BaboJay_42:
(71, 35514), (75, 35502), (Start: 83 @35493 has 143 MA's), (Start: 85 @35481 has 5 MA's), (148, 35307), (188, 35205),

Gene: Babyland_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Babyland_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: BackyardAgain_12 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for BackyardAgain_12:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: BadAgartude_14 Start: 4738, Stop: 5088, Start Num: 79
Candidate Starts for BadAgartude_14:
(Start: 79 @4738 has 234 MA's), (Start: 85 @4753 has 5 MA's), (148, 4873), (179, 4951), (185, 4963), (187, 4966), (238, 5059),

Gene: Balomoji_45 Start: 36485, Stop: 36057, Start Num: 83
Candidate Starts for Balomoji_45:
(73, 36506), (Start: 78 @36494 has 19 MA's), (Start: 83 @36485 has 143 MA's), (Start: 85 @36473 has 5 MA's), (132, 36335), (136, 36323), (148, 36263), (238, 36086),

Gene: BananaFence_14 Start: 4971, Stop: 5336, Start Num: 79
Candidate Starts for BananaFence_14:
(Start: 79 @4971 has 234 MA's), (Start: 85 @4986 has 5 MA's), (148, 5121), (179, 5199), (185, 5211), (187, 5214), (238, 5307),

Gene: Bangla1971_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Bangla1971_13:

(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Basquiat_13 Start: 3951, Stop: 4316, Start Num: 79
Candidate Starts for Basquiat_13:
(Start: 79 @3951 has 234 MA's), (Start: 85 @3966 has 5 MA's), (148, 4101), (179, 4179), (185, 4191), (187, 4194), (238, 4287),

Gene: Batiatus_78 Start: 48266, Stop: 48646, Start Num: 79
Candidate Starts for Batiatus_78:
(Start: 79 @48266 has 234 MA's), (Start: 85 @48281 has 5 MA's), (148, 48401), (177, 48488), (179, 48494), (192, 48518), (238, 48617),

Gene: BeanWater_5 Start: 2594, Stop: 3034, Start Num: 83
Candidate Starts for BeanWater_5:
(Start: 83 @2594 has 143 MA's), (Start: 85 @2606 has 5 MA's), (124, 2726), (148, 2816), (159, 2858), (219, 2954), (229, 2978),

Gene: Beelzebub_9 Start: 2804, Stop: 3181, Start Num: 78
Candidate Starts for Beelzebub_9:
(Start: 78 @2804 has 19 MA's), (Start: 85 @2816 has 5 MA's), (148, 2972), (179, 3050), (185, 3062), (187, 3065),

Gene: Beem_73 Start: 50984, Stop: 50568, Start Num: 83
Candidate Starts for Beem_73:
(Start: 83 @50984 has 143 MA's), (Start: 85 @50972 has 5 MA's), (117, 50888), (125, 50870), (148, 50792), (153, 50762), (171, 50723), (172, 50720),

Gene: Belieber_12 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Belieber_12:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Bench_44 Start: 35114, Stop: 34752, Start Num: 83
Candidate Starts for Bench_44:
(Start: 83 @35114 has 143 MA's), (Start: 85 @35102 has 5 MA's), (148, 34982), (188, 34880), (238, 34775),

Gene: Bezza_11 Start: 4384, Stop: 4734, Start Num: 79
Candidate Starts for Bezza_11:
(Start: 79 @4384 has 234 MA's), (Start: 85 @4399 has 5 MA's), (148, 4519), (179, 4597), (185, 4609), (187, 4612), (238, 4705),

Gene: Bezza_14 Start: 5418, Stop: 5885, Start Num: 83
Candidate Starts for Bezza_14:
(21, 5256), (Start: 83 @5418 has 143 MA's), (Start: 85 @5430 has 5 MA's), (136, 5580), (148, 5640), (235, 5811),

Gene: BigBubba_43 Start: 35101, Stop: 34667, Start Num: 83
Candidate Starts for BigBubba_43:
(51, 35173), (Start: 83 @35101 has 143 MA's), (Start: 85 @35089 has 5 MA's), (136, 34939), (148, 34879),

Gene: BigCity_8 Start: 2903, Stop: 3259, Start Num: 93
Candidate Starts for BigCity_8:
(Start: 93 @2903 has 17 MA's), (98, 2915), (111, 2942), (129, 2987), (148, 3050), (179, 3128), (185, 3140), (187, 3143),

Gene: BigPhil_72 Start: 44249, Stop: 44626, Start Num: 79
Candidate Starts for BigPhil_72:
(Start: 79 @44249 has 234 MA's), (Start: 85 @44264 has 5 MA's), (148, 44420), (161, 44462), (203, 44528), (205, 44531), (237, 44600),

Gene: Bigswole_5 Start: 1613, Stop: 2053, Start Num: 83
Candidate Starts for Bigswole_5:
(Start: 83 @1613 has 143 MA's), (Start: 85 @1625 has 5 MA's), (124, 1745), (148, 1835), (159, 1877), (219, 1973), (229, 1997),

Gene: Bipolarisk_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Bipolarisk_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Blackbrain_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Blackbrain_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Blackdragon_5 Start: 1616, Stop: 2056, Start Num: 83
Candidate Starts for Blackdragon_5:
(Start: 83 @1616 has 143 MA's), (Start: 85 @1628 has 5 MA's), (124, 1748), (148, 1838), (159, 1880), (219, 1976), (229, 2000),

Gene: Blackdragon_12 Start: 4007, Stop: 4381, Start Num: 79
Candidate Starts for Blackdragon_12:
(Start: 79 @4007 has 234 MA's), (Start: 85 @4022 has 5 MA's), (105, 4058), (121, 4100), (136, 4124), (148, 4166), (185, 4256), (187, 4259), (238, 4352),

Gene: Blarby_87 Start: 46989, Stop: 47345, Start Num: 79
Candidate Starts for Blarby_87:
(Start: 79 @46989 has 234 MA's), (Start: 85 @47004 has 5 MA's), (148, 47124), (233, 47295), (238, 47316),

Gene: Blexus_75 Start: 48431, Stop: 48811, Start Num: 80
Candidate Starts for Blexus_75:
(Start: 80 @48431 has 7 MA's), (Start: 85 @48446 has 5 MA's), (109, 48506), (143, 48578), (148, 48611), (238, 48788),

Gene: Blue_60 Start: 41591, Stop: 41178, Start Num: 83
Candidate Starts for Blue_60:
(53, 41648), (54, 41645), (Start: 83 @41591 has 143 MA's), (101, 41534), (117, 41495), (148, 41399), (235, 41228),

Gene: BobaPhatt_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for BobaPhatt_13:

(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: BobaPhett_81 Start: 50730, Stop: 51155, Start Num: 79
Candidate Starts for BobaPhett_81:
(Start: 79 @50730 has 234 MA's), (Start: 85 @50745 has 5 MA's), (148, 50925), (179, 51009), (182, 51015), (184, 51018), (231, 51102),

Gene: Bobby_76 Start: 51549, Stop: 51166, Start Num: 83
Candidate Starts for Bobby_76:
(48, 51630), (63, 51588), (66, 51585), (Start: 83 @51549 has 143 MA's), (Start: 85 @51537 has 5 MA's), (109, 51477), (143, 51405), (148, 51372), (167, 51312), (178, 51297), (190, 51273), (209, 51240),

Gene: Bobi_85 Start: 50553, Stop: 50930, Start Num: 79
Candidate Starts for Bobi_85:
(Start: 79 @50553 has 234 MA's), (Start: 85 @50568 has 5 MA's), (148, 50688), (177, 50775), (179, 50781), (192, 50805), (226, 50868), (238, 50907),

Gene: Bonray_14 Start: 5044, Stop: 5394, Start Num: 79
Candidate Starts for Bonray_14:
(Start: 79 @5044 has 234 MA's), (Start: 85 @5059 has 5 MA's), (148, 5179), (179, 5257), (185, 5269), (187, 5272), (238, 5365),

Gene: Boomer_81 Start: 48708, Stop: 49136, Start Num: 81
Candidate Starts for Boomer_81:
(Start: 81 @48708 has 15 MA's), (Start: 85 @48723 has 5 MA's), (99, 48777), (136, 48870), (148, 48930), (238, 49107),

Gene: Bowman_15 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Bowman_15:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Bread_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Bread_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Breeniome_14 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Breeniome_14:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Brocalys_71 Start: 46210, Stop: 46635, Start Num: 79
Candidate Starts for Brocalys_71:
(Start: 79 @46210 has 234 MA's), (Start: 85 @46225 has 5 MA's), (148, 46405), (179, 46489), (182, 46495), (184, 46498), (231, 46582),

Gene: BronnyJames_76 Start: 47637, Stop: 47275, Start Num: 83
Candidate Starts for BronnyJames_76:
(Start: 83 @47637 has 143 MA's), (Start: 85 @47625 has 5 MA's), (148, 47505), (179, 47421), (182, 47415), (184, 47412), (231, 47328),

Gene: BronnyJames_68 Start: 45323, Stop: 44922, Start Num: 83
Candidate Starts for BronnyJames_68:
(Start: 83 @45323 has 143 MA's), (Start: 85 @45311 has 5 MA's), (116, 45227), (123, 45209), (148, 45131), (179, 45053), (185, 45041), (187, 45038), (238, 44945),

Gene: Brookers_73 Start: 47200, Stop: 47577, Start Num: 79
Candidate Starts for Brookers_73:
(Start: 79 @47200 has 234 MA's), (Start: 85 @47215 has 5 MA's), (148, 47371), (161, 47413), (203, 47479), (205, 47482), (237, 47551),

Gene: Brushbloom_82 Start: 49907, Stop: 50308, Start Num: 97
Candidate Starts for Brushbloom_82:
(Start: 97 @49907 has 2 MA's), (102, 49922), (148, 50057), (166, 50120), (232, 50255), (239, 50288),

Gene: Bubbles123_74 Start: 48058, Stop: 48471, Start Num: 79
Candidate Starts for Bubbles123_74:
(Start: 79 @48058 has 234 MA's), (Start: 85 @48073 has 5 MA's), (148, 48229), (177, 48316), (179, 48322), (192, 48346), (226, 48409), (238, 48448),

Gene: BugsBunny_43 Start: 35586, Stop: 35152, Start Num: 83
Candidate Starts for BugsBunny_43:
(51, 35658), (Start: 83 @35586 has 143 MA's), (Start: 85 @35574 has 5 MA's), (136, 35424), (148, 35364),

Gene: Burrough_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Burrough_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Bxz1_6 Start: 1759, Stop: 2151, Start Num: 83
Candidate Starts for Bxz1_6:
(Start: 83 @1759 has 143 MA's), (Start: 85 @1771 has 5 MA's), (100, 1819), (107, 1825), (133, 1888), (148, 1942), (179, 2020), (185, 2032), (187, 2035),

Gene: Cabrinians_78 Start: 48130, Stop: 48555, Start Num: 79
Candidate Starts for Cabrinians_78:
(Start: 79 @48130 has 234 MA's), (Start: 85 @48145 has 5 MA's), (148, 48325), (179, 48409), (182, 48415), (184, 48418), (231, 48502),

Gene: Cactojaque_12 Start: 3900, Stop: 4265, Start Num: 79
Candidate Starts for Cactojaque_12:
(Start: 79 @3900 has 234 MA's), (Start: 85 @3915 has 5 MA's), (148, 4050), (179, 4128), (185, 4140), (187, 4143), (238, 4236),

Gene: Cali_14 Start: 5699, Stop: 6064, Start Num: 79
Candidate Starts for Cali_14:
(Start: 79 @5699 has 234 MA's), (Start: 85 @5714 has 5 MA's), (87, 5723), (148, 5849), (179, 5927), (185, 5939), (187, 5942), (238, 6035),

Gene: Cali_6 Start: 2751, Stop: 3191, Start Num: 83
Candidate Starts for Cali_6:

(Start: 83 @2751 has 143 MA's), (Start: 85 @2763 has 5 MA's), (124, 2883), (148, 2973), (159, 3015), (219, 3111), (229, 3135),

Gene: Capablanca_14 Start: 5050, Stop: 5415, Start Num: 79
Candidate Starts for Capablanca_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5200), (179, 5278), (185, 5290), (187, 5293), (238, 5386),

Gene: CaptainTrips_79 Start: 47890, Stop: 48285, Start Num: 83
Candidate Starts for CaptainTrips_79:
(Start: 83 @47890 has 143 MA's), (Start: 85 @47902 has 5 MA's), (148, 48037), (174, 48115), (199, 48166), (213, 48190), (223, 48208), (228, 48223), (238, 48262),

Gene: Caravan_16 Start: 5077, Stop: 5427, Start Num: 79
Candidate Starts for Caravan_16:
(Start: 79 @5077 has 234 MA's), (Start: 85 @5092 has 5 MA's), (148, 5212), (179, 5290), (185, 5302), (187, 5305), (238, 5398),

Gene: Catera_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Catera_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Cerasum_72 Start: 44267, Stop: 44644, Start Num: 79
Candidate Starts for Cerasum_72:
(Start: 79 @44267 has 234 MA's), (Start: 85 @44282 has 5 MA's), (148, 44438), (161, 44480), (203, 44546), (205, 44549), (237, 44618),

Gene: Chargie21_13 Start: 3951, Stop: 4316, Start Num: 79
Candidate Starts for Chargie21_13:
(Start: 79 @3951 has 234 MA's), (Start: 85 @3966 has 5 MA's), (148, 4101), (179, 4179), (185, 4191), (187, 4194), (238, 4287),

Gene: CharlieB_5 Start: 1612, Stop: 2052, Start Num: 83
Candidate Starts for CharlieB_5:
(Start: 83 @1612 has 143 MA's), (Start: 85 @1624 has 5 MA's), (124, 1744), (148, 1834), (159, 1876), (219, 1972), (229, 1996),

Gene: CharlieB_15 Start: 4563, Stop: 4913, Start Num: 79
Candidate Starts for CharlieB_15:
(Start: 79 @4563 has 234 MA's), (Start: 85 @4578 has 5 MA's), (148, 4698), (179, 4776), (185, 4788), (187, 4791), (238, 4884),

Gene: ChaylaJr_13 Start: 3993, Stop: 4358, Start Num: 79
Candidate Starts for ChaylaJr_13:
(Start: 79 @3993 has 234 MA's), (Start: 85 @4008 has 5 MA's), (148, 4143), (179, 4221), (185, 4233), (187, 4236), (238, 4329),

Gene: Che8_92 Start: 51445, Stop: 51828, Start Num: 83
Candidate Starts for Che8_92:
(19, 51271), (22, 51280), (31, 51304), (Start: 36 @51322 has 1 MA's), (64, 51415), (69, 51424), (Start: 83 @51445 has 143 MA's), (148, 51631), (155, 51661), (177, 51697), (207, 51748),

Gene: Che9d_91 Start: 48600, Stop: 49028, Start Num: 83
Candidate Starts for Che9d_91:
(Start: 83 @48600 has 143 MA's), (Start: 85 @48612 has 5 MA's), (104, 48666), (148, 48810),

Gene: Cheesepuff_86 Start: 48067, Stop: 48468, Start Num: 97
Candidate Starts for Cheesepuff_86:
(Start: 97 @48067 has 2 MA's), (102, 48082), (148, 48217), (166, 48280), (232, 48415), (239, 48448),

Gene: Chevrolet_86 Start: 49677, Stop: 50102, Start Num: 79
Candidate Starts for Chevrolet_86:
(Start: 79 @49677 has 234 MA's), (110, 49752), (141, 49824), (148, 49857), (174, 49929), (183, 49953), (221, 50025), (240, 50088),

Gene: ChickenPhender_13 Start: 3951, Stop: 4316, Start Num: 79
Candidate Starts for ChickenPhender_13:
(Start: 79 @3951 has 234 MA's), (Start: 85 @3966 has 5 MA's), (148, 4101), (179, 4179), (185, 4191), (187, 4194), (238, 4287),

Gene: Chomp_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Chomp_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: ChosenOne_46 Start: 35277, Stop: 34882, Start Num: 83
Candidate Starts for ChosenOne_46:
(35, 35379), (37, 35373), (47, 35343), (Start: 83 @35277 has 143 MA's), (Start: 85 @35265 has 5 MA's), (148, 35109), (156, 35076), (166, 35055), (204, 34989), (238, 34905),

Gene: ChotaBhai_44 Start: 35156, Stop: 34737, Start Num: 83
Candidate Starts for ChotaBhai_44:
(71, 35177), (75, 35165), (Start: 83 @35156 has 143 MA's), (Start: 85 @35144 has 5 MA's), (148, 34970), (188, 34868),

Gene: Chuckly_76 Start: 45511, Stop: 45978, Start Num: 79
Candidate Starts for Chuckly_76:
(Start: 79 @45511 has 234 MA's), (Start: 85 @45526 has 5 MA's), (101, 45580), (136, 45673), (177, 45820), (179, 45826), (192, 45850), (226, 45913), (238, 45949),

Gene: CindyLou_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for CindyLou_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Clank_80 Start: 46512, Stop: 46865, Start Num: 79
Candidate Starts for Clank_80:
(Start: 79 @46512 has 234 MA's), (Start: 85 @46527 has 5 MA's), (148, 46647), (164, 46689), (220, 46785), (238, 46842),

Gene: Clarkson_8 Start: 2580, Stop: 2957, Start Num: 78
Candidate Starts for Clarkson_8:
(Start: 78 @2580 has 19 MA's), (Start: 85 @2592 has 5 MA's), (148, 2748), (179, 2826), (185, 2838), (187, 2841),

Gene: Clifton_72 Start: 46816, Stop: 47196, Start Num: 78
Candidate Starts for Clifton_72:
(Start: 78 @46816 has 19 MA's), (Start: 85 @46831 has 5 MA's), (148, 46987), (179, 47065), (185, 47077), (187, 47080), (238, 47173),

Gene: Coco12_75 Start: 48324, Stop: 48701, Start Num: 79
Candidate Starts for Coco12_75:
(Start: 79 @48324 has 234 MA's), (Start: 85 @48339 has 5 MA's), (148, 48495), (161, 48537), (203, 48603), (205, 48606), (237, 48675),

Gene: Corazon_7 Start: 2530, Stop: 2910, Start Num: 78
Candidate Starts for Corazon_7:
(Start: 78 @2530 has 19 MA's), (Start: 85 @2545 has 5 MA's), (148, 2701), (179, 2779), (185, 2791), (187, 2794),

Gene: Cornie_74 Start: 46648, Stop: 46998, Start Num: 79
Candidate Starts for Cornie_74:
(Start: 79 @46648 has 234 MA's), (Start: 85 @46663 has 5 MA's), (179, 46861), (185, 46873), (187, 46876), (238, 46969),

Gene: Corvo_62 Start: 41848, Stop: 41459, Start Num: 83
Candidate Starts for Corvo_62:
(12, 42049), (53, 41905), (54, 41902), (Start: 83 @41848 has 143 MA's), (Start: 85 @41836 has 5 MA's), (140, 41749), (148, 41716), (174, 41638), (183, 41614), (221, 41542),

Gene: Crumble_76 Start: 44855, Stop: 45280, Start Num: 79
Candidate Starts for Crumble_76:
(Start: 79 @44855 has 234 MA's), (Start: 85 @44870 has 5 MA's), (148, 45050), (179, 45134), (182, 45140), (184, 45143), (231, 45227),

Gene: DLane_79 Start: 49141, Stop: 49515, Start Num: 79
Candidate Starts for DLane_79:
(Start: 79 @49141 has 234 MA's), (Start: 85 @49156 has 5 MA's), (148, 49291), (171, 49360), (218, 49441),

Gene: DLane_80 Start: 49512, Stop: 49868, Start Num: 78
Candidate Starts for DLane_80:
(Start: 78 @49512 has 19 MA's), (Start: 85 @49524 has 5 MA's), (148, 49644), (164, 49686), (220, 49782), (238, 49839),

Gene: DRBy19_83 Start: 50545, Stop: 50925, Start Num: 78
Candidate Starts for DRBy19_83:
(Start: 78 @50545 has 19 MA's), (Start: 85 @50560 has 5 MA's), (148, 50716), (179, 50794), (185, 50806), (187, 50809), (238, 50902),

Gene: DTDevon_8 Start: 2464, Stop: 2820, Start Num: 93
Candidate Starts for DTDevon_8:
(Start: 93 @2464 has 17 MA's), (98, 2476), (111, 2503), (129, 2548), (148, 2611), (179, 2689), (185, 2701), (187, 2704),

Gene: DaWorst_79 Start: 47793, Stop: 48188, Start Num: 79
Candidate Starts for DaWorst_79:

(Start: 79 @47793 has 234 MA's), (Start: 85 @47808 has 5 MA's), (148, 47928), (174, 48000), (183, 48024), (221, 48096), (242, 48168),

Gene: Daffodil_15 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Daffodil_15:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Dallas_72 Start: 49905, Stop: 49489, Start Num: 83
Candidate Starts for Dallas_72:
(Start: 83 @49905 has 143 MA's), (Start: 85 @49893 has 5 MA's), (117, 49809), (125, 49791), (148, 49713), (153, 49683), (171, 49644), (172, 49641),

Gene: Dandelion_7 Start: 2464, Stop: 2820, Start Num: 93
Candidate Starts for Dandelion_7:
(Start: 93 @2464 has 17 MA's), (98, 2476), (111, 2503), (129, 2548), (148, 2611), (179, 2689), (185, 2701), (187, 2704),

Gene: Dante_78 Start: 50103, Stop: 50483, Start Num: 80
Candidate Starts for Dante_78:
(Start: 80 @50103 has 7 MA's), (Start: 85 @50118 has 5 MA's), (109, 50178), (143, 50250), (148, 50283), (238, 50460),

Gene: Darko_13 Start: 4940, Stop: 5305, Start Num: 79
Candidate Starts for Darko_13:
(Start: 79 @4940 has 234 MA's), (Start: 85 @4955 has 5 MA's), (148, 5090), (179, 5168), (185, 5180), (187, 5183), (238, 5276),

Gene: DeadP_80 Start: 47212, Stop: 47607, Start Num: 79
Candidate Starts for DeadP_80:
(Start: 79 @47212 has 234 MA's), (Start: 85 @47227 has 5 MA's), (177, 47449), (179, 47455), (192, 47479), (226, 47542), (238, 47581),

Gene: Delilah_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Delilah_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Delylah_16 Start: 5077, Stop: 5427, Start Num: 79
Candidate Starts for Delylah_16:
(Start: 79 @5077 has 234 MA's), (Start: 85 @5092 has 5 MA's), (148, 5212), (179, 5290), (185, 5302), (187, 5305), (238, 5398),

Gene: Derek_14 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Derek_14:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Dessert_14 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Dessert_14:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Dietrick_12 Start: 3968, Stop: 4333, Start Num: 79
Candidate Starts for Dietrick_12:
(Start: 79 @3968 has 234 MA's), (Start: 85 @3983 has 5 MA's), (148, 4118), (179, 4196), (185, 4208), (187, 4211), (238, 4304),

Gene: DirtMcgirt_76 Start: 45318, Stop: 45746, Start Num: 81
Candidate Starts for DirtMcgirt_76:
(Start: 81 @45318 has 15 MA's), (Start: 85 @45333 has 5 MA's), (99, 45387), (136, 45480), (148, 45540), (238, 45717),

Gene: DirtMonster_6 Start: 2758, Stop: 3150, Start Num: 83
Candidate Starts for DirtMonster_6:
(Start: 83 @2758 has 143 MA's), (Start: 85 @2770 has 5 MA's), (100, 2818), (107, 2824), (133, 2887), (148, 2941), (179, 3019), (185, 3031), (187, 3034),

Gene: DmpstrDiver_73 Start: 50332, Stop: 49916, Start Num: 83
Candidate Starts for DmpstrDiver_73:
(Start: 83 @50332 has 143 MA's), (Start: 85 @50320 has 5 MA's), (117, 50236), (125, 50218), (148, 50140), (153, 50110), (171, 50071), (172, 50068),

Gene: DoctorDiddles_44 Start: 35192, Stop: 34773, Start Num: 83
Candidate Starts for DoctorDiddles_44:
(71, 35213), (75, 35201), (Start: 83 @35192 has 143 MA's), (Start: 85 @35180 has 5 MA's), (148, 35006), (188, 34904),

Gene: Donkeykong_83 Start: 49734, Stop: 50111, Start Num: 79
Candidate Starts for Donkeykong_83:
(Start: 79 @49734 has 234 MA's), (Start: 85 @49749 has 5 MA's), (148, 49884), (179, 49968), (182, 49974), (184, 49977), (231, 50061),

Gene: Dorothy_81 Start: 50224, Stop: 50574, Start Num: 79
Candidate Starts for Dorothy_81:
(Start: 79 @50224 has 234 MA's), (Start: 85 @50239 has 5 MA's), (148, 50374), (236, 50551),

Gene: DrPhinkDaddy_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for DrPhinkDaddy_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Drago_74 Start: 45321, Stop: 45749, Start Num: 81
Candidate Starts for Drago_74:
(Start: 81 @45321 has 15 MA's), (Start: 85 @45336 has 5 MA's), (99, 45390), (136, 45483), (148, 45543), (238, 45720),

Gene: Drazdys_8 Start: 2464, Stop: 2820, Start Num: 93
Candidate Starts for Drazdys_8:
(Start: 93 @2464 has 17 MA's), (98, 2476), (111, 2503), (129, 2548), (148, 2611), (179, 2689), (185, 2701), (187, 2704),

Gene: Dreamboat_79 Start: 46273, Stop: 45872, Start Num: 83
Candidate Starts for Dreamboat_79:
(Start: 83 @46273 has 143 MA's), (148, 46081), (179, 46003), (185, 45991), (187, 45988), (238, 45895),

Gene: Duckfeet_6 Start: 1749, Stop: 2189, Start Num: 83
Candidate Starts for Duckfeet_6:
(Start: 83 @1749 has 143 MA's), (Start: 85 @1761 has 5 MA's), (124, 1881), (148, 1971), (159, 2013), (219, 2109), (229, 2133),

Gene: Duckfeet_14 Start: 4700, Stop: 5074, Start Num: 79
Candidate Starts for Duckfeet_14:
(Start: 79 @4700 has 234 MA's), (Start: 85 @4715 has 5 MA's), (87, 4724), (105, 4751), (121, 4793), (136, 4817), (148, 4859), (185, 4949), (187, 4952), (238, 5045),

Gene: Dussy_79 Start: 47985, Stop: 47563, Start Num: 83
Candidate Starts for Dussy_79:
(Start: 83 @47985 has 143 MA's), (Start: 85 @47973 has 5 MA's), (148, 47817), (174, 47745), (183, 47721), (221, 47649), (240, 47586),

Gene: Dylan_22 Start: 10677, Stop: 11069, Start Num: 83
Candidate Starts for Dylan_22:
(Start: 83 @10677 has 143 MA's), (148, 10809), (168, 10893), (195, 10947), (208, 10971), (215, 10983), (218, 10989), (230, 11013), (234, 11028), (238, 11046),

Gene: ET08_12 Start: 4991, Stop: 5341, Start Num: 79
Candidate Starts for ET08_12:
(Start: 79 @4991 has 234 MA's), (Start: 85 @5006 has 5 MA's), (148, 5126), (179, 5204), (185, 5216), (187, 5219), (238, 5312),

Gene: ET08_5 Start: 2600, Stop: 3040, Start Num: 83
Candidate Starts for ET08_5:
(Start: 83 @2600 has 143 MA's), (Start: 85 @2612 has 5 MA's), (124, 2732), (148, 2822), (159, 2864), (219, 2960), (229, 2984),

Gene: EasyJones_13 Start: 3951, Stop: 4316, Start Num: 79
Candidate Starts for EasyJones_13:
(Start: 79 @3951 has 234 MA's), (Start: 85 @3966 has 5 MA's), (148, 4101), (179, 4179), (185, 4191), (187, 4194), (238, 4287),

Gene: EggyFarm_8 Start: 2903, Stop: 3259, Start Num: 93
Candidate Starts for EggyFarm_8:
(Start: 93 @2903 has 17 MA's), (98, 2915), (111, 2942), (129, 2987), (148, 3050), (179, 3128), (185, 3140), (187, 3143),

Gene: Eish_82 Start: 49234, Stop: 49629, Start Num: 79
Candidate Starts for Eish_82:
(Start: 79 @49234 has 234 MA's), (Start: 85 @49249 has 5 MA's), (100, 49297), (107, 49303), (133, 49366), (148, 49420), (179, 49498), (185, 49510), (187, 49513),

Gene: Ejimix_73 Start: 51773, Stop: 51354, Start Num: 83
Candidate Starts for Ejimix_73:
(Start: 83 @51773 has 143 MA's), (Start: 85 @51761 has 5 MA's), (117, 51677), (125, 51659), (148, 51581), (153, 51551), (171, 51512), (172, 51509),

Gene: Elite2014_45 Start: 35276, Stop: 34881, Start Num: 83
Candidate Starts for Elite2014_45:

(35, 35378), (37, 35372), (47, 35342), (Start: 83 @35276 has 143 MA's), (Start: 85 @35264 has 5 MA's), (148, 35108), (156, 35075), (166, 35054), (204, 34988), (238, 34904),

Gene: EmToTheThree_17 Start: 6464, Stop: 6814, Start Num: 79
Candidate Starts for EmToTheThree_17:
(Start: 79 @6464 has 234 MA's), (Start: 85 @6479 has 5 MA's), (148, 6599), (179, 6677), (185, 6689), (187, 6692), (238, 6785),

Gene: Emma_82 Start: 47609, Stop: 47959, Start Num: 79
Candidate Starts for Emma_82:
(40, 47513), (Start: 79 @47609 has 234 MA's), (Start: 85 @47624 has 5 MA's), (148, 47744),

Gene: EmmaElysia_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for EmmaElysia_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Enby_78 Start: 45597, Stop: 46025, Start Num: 81
Candidate Starts for Enby_78:
(Start: 81 @45597 has 15 MA's), (Start: 85 @45612 has 5 MA's), (99, 45666), (136, 45759), (148, 45819), (238, 45996),

Gene: Eradicator_69 Start: 46041, Stop: 46469, Start Num: 81
Candidate Starts for Eradicator_69:
(Start: 81 @46041 has 15 MA's), (Start: 85 @46056 has 5 MA's), (99, 46110), (136, 46203), (148, 46263), (238, 46440),

Gene: Erdmann_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Erdmann_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: ErnieJ_17 Start: 5141, Stop: 5506, Start Num: 79
Candidate Starts for ErnieJ_17:
(Start: 79 @5141 has 234 MA's), (Start: 85 @5156 has 5 MA's), (148, 5291), (179, 5369), (185, 5381), (187, 5384), (238, 5477),

Gene: Essence_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Essence_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Euphoria_59 Start: 40555, Stop: 40109, Start Num: 83
Candidate Starts for Euphoria_59:
(53, 40612), (54, 40609), (Start: 83 @40555 has 143 MA's), (101, 40498), (117, 40459), (125, 40441), (148, 40363), (169, 40291), (180, 40267), (221, 40195), (241, 40132),

Gene: Eureka_44 Start: 36100, Stop: 35735, Start Num: 72
Candidate Starts for Eureka_44:
(Start: 67 @36112 has 2 MA's), (Start: 72 @36100 has 2 MA's), (Start: 78 @36091 has 19 MA's), (Start: 85 @36079 has 5 MA's), (148, 35959), (164, 35917), (220, 35821), (238, 35764),

Gene: Ewok_14 Start: 5050, Stop: 5400, Start Num: 79

Candidate Starts for Ewok_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Eyeball_79 Start: 47899, Stop: 47528, Start Num: 83
Candidate Starts for Eyeball_79:
(Start: 83 @47899 has 143 MA's), (Start: 85 @47887 has 5 MA's), (105, 47851), (121, 47809), (136, 47785), (148, 47743), (185, 47653), (187, 47650), (225, 47587), (240, 47551),

Gene: Fancypants_92 Start: 52024, Stop: 52425, Start Num: 83
Candidate Starts for Fancypants_92:
(3, 51730), (4, 51763), (19, 51850), (22, 51859), (31, 51883), (Start: 36 @51901 has 1 MA's), (64, 51994), (69, 52003), (Start: 83 @52024 has 143 MA's), (115, 52123), (126, 52156), (158, 52261), (180, 52297), (193, 52318), (220, 52357),

Gene: Fancypants_85 Start: 50404, Stop: 50835, Start Num: 83
Candidate Starts for Fancypants_85:
(Start: 83 @50404 has 143 MA's), (132, 50548), (170, 50683),

Gene: FeliMaine_8 Start: 2581, Stop: 2958, Start Num: 78
Candidate Starts for FeliMaine_8:
(Start: 78 @2581 has 19 MA's), (Start: 85 @2593 has 5 MA's), (148, 2749), (179, 2827), (185, 2839), (187, 2842),

Gene: Filuzino_80 Start: 50124, Stop: 50459, Start Num: 79
Candidate Starts for Filuzino_80:
(5, 49893), (8, 49920), (13, 49932), (15, 49938), (17, 49944), (27, 49980), (Start: 79 @50124 has 234 MA's), (Start: 85 @50139 has 5 MA's), (148, 50259), (199, 50361), (218, 50382), (231, 50406),

Gene: FireRed_45 Start: 36025, Stop: 35591, Start Num: 83
Candidate Starts for FireRed_45:
(51, 36097), (Start: 83 @36025 has 143 MA's), (Start: 85 @36013 has 5 MA's), (136, 35863), (148, 35803),

Gene: Firehouse51_75 Start: 49196, Stop: 49573, Start Num: 79
Candidate Starts for Firehouse51_75:
(41, 49100), (Start: 79 @49196 has 234 MA's), (Start: 85 @49211 has 5 MA's), (148, 49346), (156, 49379), (166, 49400), (204, 49466), (238, 49550),

Gene: Fixie_12 Start: 3951, Stop: 4316, Start Num: 79
Candidate Starts for Fixie_12:
(Start: 79 @3951 has 234 MA's), (Start: 85 @3966 has 5 MA's), (148, 4101), (179, 4179), (185, 4191), (187, 4194), (238, 4287),

Gene: Flabslab_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Flabslab_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Flabslab_16 Start: 5015, Stop: 5452, Start Num: 83
Candidate Starts for Flabslab_16:
(21, 4853), (Start: 83 @5015 has 143 MA's), (Start: 85 @5027 has 5 MA's), (136, 5177), (148, 5237), (235, 5408),

Gene: Flathead_78 Start: 47777, Stop: 48157, Start Num: 79
Candidate Starts for Flathead_78:
(Start: 79 @47777 has 234 MA's), (Start: 85 @47792 has 5 MA's), (148, 47927), (179, 48011), (182, 48017), (184, 48020), (231, 48104),

Gene: Fludd_13 Start: 3952, Stop: 4317, Start Num: 79
Candidate Starts for Fludd_13:
(Start: 79 @3952 has 234 MA's), (Start: 85 @3967 has 5 MA's), (148, 4102), (179, 4180), (185, 4192), (187, 4195), (238, 4288),

Gene: FoxtrotP1_15 Start: 5609, Stop: 5959, Start Num: 79
Candidate Starts for FoxtrotP1_15:
(Start: 79 @5609 has 234 MA's), (Start: 85 @5624 has 5 MA's), (148, 5744), (179, 5822), (185, 5834), (187, 5837), (238, 5930),

Gene: FrayBell_8 Start: 2465, Stop: 2821, Start Num: 93
Candidate Starts for FrayBell_8:
(Start: 93 @2465 has 17 MA's), (98, 2477), (111, 2504), (129, 2549), (148, 2612), (179, 2690), (185, 2702), (187, 2705),

Gene: FreddyB_88 Start: 49777, Stop: 50202, Start Num: 79
Candidate Starts for FreddyB_88:
(Start: 79 @49777 has 234 MA's), (Start: 85 @49792 has 5 MA's), (148, 49972), (179, 50056), (182, 50062), (184, 50065), (231, 50149),

Gene: Fruitloop_74 Start: 47706, Stop: 48077, Start Num: 77
Candidate Starts for Fruitloop_74:
(38, 47610), (Start: 77 @47706 has 1 MA's), (Start: 85 @47721 has 5 MA's), (148, 47841), (162, 47895), (168, 47904), (196, 47952), (200, 47958), (220, 47994), (226, 48012), (238, 48048),

Gene: FudgeTart_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for FudgeTart_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Fushigi_75 Start: 45357, Stop: 44953, Start Num: 83
Candidate Starts for Fushigi_75:
(Start: 83 @45357 has 143 MA's), (148, 45159), (173, 45108), (184, 45084), (202, 45057), (238, 44976),

Gene: Gabriel_14 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Gabriel_14:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Gamgam_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Gamgam_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Gandalph_77 Start: 45404, Stop: 45799, Start Num: 79
Candidate Starts for Gandalph_77:

(Start: 79 @45404 has 234 MA's), (Start: 85 @45419 has 5 MA's), (148, 45539), (174, 45617), (183, 45641), (221, 45713),

Gene: Gattaca_9 Start: 2524, Stop: 2901, Start Num: 79
Candidate Starts for Gattaca_9:
(Start: 79 @2524 has 234 MA's), (Start: 85 @2539 has 5 MA's), (148, 2674), (156, 2707), (166, 2728), (204, 2794), (238, 2878),

Gene: Ghost_14 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Ghost_14:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Girr_75 Start: 48247, Stop: 48597, Start Num: 79
Candidate Starts for Girr_75:
(Start: 79 @48247 has 234 MA's), (Start: 85 @48262 has 5 MA's), (148, 48382),

Gene: Gizmo_15 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Gizmo_15:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: GlutenPhree_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for GlutenPhree_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Goku_44 Start: 35820, Stop: 35464, Start Num: 78
Candidate Starts for Goku_44:
(Start: 67 @35841 has 2 MA's), (Start: 72 @35829 has 2 MA's), (Start: 78 @35820 has 19 MA's), (Start: 85 @35808 has 5 MA's), (148, 35688), (164, 35646), (220, 35550), (238, 35493),

Gene: GoldenSnow_8 Start: 2464, Stop: 2820, Start Num: 93
Candidate Starts for GoldenSnow_8:
(Start: 93 @2464 has 17 MA's), (98, 2476), (111, 2503), (129, 2548), (148, 2611), (179, 2689), (185, 2701), (187, 2704),

Gene: Gonephishing_73 Start: 48084, Stop: 47683, Start Num: 83
Candidate Starts for Gonephishing_73:
(Start: 83 @48084 has 143 MA's), (Start: 85 @48072 has 5 MA's), (116, 47988), (123, 47970), (148, 47892), (179, 47814), (185, 47802), (187, 47799), (238, 47706),

Gene: GoongGoong_8 Start: 2533, Stop: 2910, Start Num: 79
Candidate Starts for GoongGoong_8:
(Start: 79 @2533 has 234 MA's), (Start: 85 @2548 has 5 MA's), (148, 2683), (156, 2716), (166, 2737), (204, 2803), (238, 2887),

Gene: Gorge_80 Start: 49405, Stop: 49830, Start Num: 79
Candidate Starts for Gorge_80:
(Start: 79 @49405 has 234 MA's), (Start: 85 @49420 has 5 MA's), (148, 49600), (179, 49684), (182, 49690), (184, 49693), (231, 49777),

Gene: Grasshills_8 Start: 2903, Stop: 3259, Start Num: 93

Candidate Starts for Grasshills_8:
(Start: 93 @2903 has 17 MA's), (98, 2915), (111, 2942), (129, 2987), (148, 3050), (179, 3128), (185, 3140), (187, 3143),

Gene: Greep_46 Start: 36317, Stop: 35883, Start Num: 83
Candidate Starts for Greep_46:
(51, 36389), (Start: 83 @36317 has 143 MA's), (Start: 85 @36305 has 5 MA's), (136, 36155), (148, 36095),

Gene: Grungle_6 Start: 1770, Stop: 2210, Start Num: 83
Candidate Starts for Grungle_6:
(Start: 83 @1770 has 143 MA's), (Start: 85 @1782 has 5 MA's), (124, 1902), (148, 1992), (159, 2034), (219, 2130), (229, 2154),

Gene: Guwapp_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Guwapp_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Gyzlar_56 Start: 38713, Stop: 38327, Start Num: 83
Candidate Starts for Gyzlar_56:
(Start: 83 @38713 has 143 MA's), (Start: 85 @38701 has 5 MA's), (148, 38581), (174, 38509), (183, 38485), (221, 38413), (240, 38350),

Gene: Halldule_6 Start: 1766, Stop: 2206, Start Num: 83
Candidate Starts for Halldule_6:
(Start: 83 @1766 has 143 MA's), (Start: 85 @1778 has 5 MA's), (124, 1898), (148, 1988), (149, 1991), (159, 2030), (219, 2126), (229, 2150),

Gene: Halley_75 Start: 50984, Stop: 50568, Start Num: 83
Candidate Starts for Halley_75:
(Start: 83 @50984 has 143 MA's), (Start: 85 @50972 has 5 MA's), (117, 50888), (125, 50870), (148, 50792), (153, 50762), (171, 50723), (172, 50720),

Gene: Hannaconda_73 Start: 46951, Stop: 46607, Start Num: 83
Candidate Starts for Hannaconda_73:
(Start: 83 @46951 has 143 MA's), (Start: 85 @46939 has 5 MA's), (148, 46819), (185, 46729), (187, 46726), (238, 46633),

Gene: Harley_78 Start: 47547, Stop: 47975, Start Num: 78
Candidate Starts for Harley_78:
(Start: 78 @47547 has 19 MA's), (132, 47694), (148, 47766), (179, 47844), (185, 47856), (187, 47859),

Gene: Hegedechwinu_80 Start: 46978, Stop: 47358, Start Num: 79
Candidate Starts for Hegedechwinu_80:
(Start: 79 @46978 has 234 MA's), (Start: 85 @46993 has 5 MA's), (148, 47128), (179, 47212), (182, 47218), (184, 47221), (231, 47305),

Gene: Highbury_43 Start: 34897, Stop: 34421, Start Num: 79
Candidate Starts for Highbury_43:
(44, 34969), (Start: 79 @34897 has 234 MA's), (Start: 85 @34885 has 5 MA's), (136, 34735), (148, 34675), (174, 34603), (183, 34579), (221, 34507), (240, 34444),

Gene: HokkenD_66 Start: 49253, Stop: 48837, Start Num: 83
Candidate Starts for HokkenD_66:
(Start: 83 @49253 has 143 MA's), (Start: 85 @49241 has 5 MA's), (117, 49157), (125, 49139), (148, 49061), (153, 49031), (171, 48992), (172, 48989),

Gene: Holt_45 Start: 35325, Stop: 34888, Start Num: 83
Candidate Starts for Holt_45:
(46, 35397), (Start: 83 @35325 has 143 MA's), (Start: 85 @35313 has 5 MA's), (136, 35163), (148, 35103), (235, 34932),

Gene: Homines_53 Start: 37028, Stop: 36645, Start Num: 83
Candidate Starts for Homines_53:
(7, 37238), (10, 37229), (53, 37085), (54, 37082), (Start: 83 @37028 has 143 MA's), (Start: 85 @37016 has 5 MA's), (104, 36968), (108, 36962), (134, 36899), (148, 36845), (189, 36743), (206, 36722), (218, 36698),

Gene: HufflyPuff_44 Start: 35981, Stop: 35547, Start Num: 83
Candidate Starts for HufflyPuff_44:
(51, 36053), (Start: 83 @35981 has 143 MA's), (Start: 85 @35969 has 5 MA's), (136, 35819), (148, 35759),

Gene: Hughesyang_72 Start: 50943, Stop: 50497, Start Num: 83
Candidate Starts for Hughesyang_72:
(Start: 83 @50943 has 143 MA's), (Start: 85 @50931 has 5 MA's), (117, 50847), (125, 50829), (148, 50751), (169, 50679), (180, 50655), (221, 50583),

Gene: Huphlepuff_7 Start: 2307, Stop: 2687, Start Num: 78
Candidate Starts for Huphlepuff_7:
(Start: 78 @2307 has 19 MA's), (Start: 85 @2322 has 5 MA's), (148, 2478), (179, 2556), (185, 2568), (187, 2571),

Gene: HyRo_11 Start: 4892, Stop: 5257, Start Num: 79
Candidate Starts for HyRo_11:
(Start: 79 @4892 has 234 MA's), (Start: 85 @4907 has 5 MA's), (148, 5042), (179, 5120), (185, 5132), (187, 5135), (238, 5228),

Gene: I3_7 Start: 2438, Stop: 2830, Start Num: 83
Candidate Starts for I3_7:
(Start: 83 @2438 has 143 MA's), (106, 2498), (109, 2504), (130, 2564), (134, 2567), (148, 2621), (188, 2723),

Gene: IMpilo_74 Start: 45725, Stop: 46135, Start Num: 81
Candidate Starts for IMpilo_74:
(Start: 81 @45725 has 15 MA's), (Start: 85 @45740 has 5 MA's), (109, 45800), (142, 45872), (148, 45905), (187, 46001), (224, 46067), (234, 46091), (238, 46112),

Gene: IbOuu_74 Start: 46622, Stop: 47065, Start Num: 79
Candidate Starts for IbOuu_74:
(Start: 79 @46622 has 234 MA's), (Start: 85 @46637 has 5 MA's), (148, 46817), (177, 46904), (179, 46910), (192, 46934), (238, 47036),

Gene: Ibhubesi_77 Start: 46004, Stop: 46342, Start Num: 79
Candidate Starts for Ibhubesi_77:

(Start: 79 @46004 has 234 MA's), (Start: 85 @46019 has 5 MA's), (91, 46046), (148, 46139), (161, 46181), (203, 46247),

Gene: IkeLoa_6 Start: 2612, Stop: 3052, Start Num: 83
Candidate Starts for IkeLoa_6:
(Start: 83 @2612 has 143 MA's), (Start: 85 @2624 has 5 MA's), (124, 2744), (148, 2834), (159, 2876), (219, 2972), (229, 2996),

Gene: InigoMontoya_14 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for InigoMontoya_14:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: InterFolia_8 Start: 2464, Stop: 2820, Start Num: 93
Candidate Starts for InterFolia_8:
(Start: 93 @2464 has 17 MA's), (98, 2476), (111, 2503), (129, 2548), (148, 2611), (179, 2689), (185, 2701), (187, 2704),

Gene: Inventum_78 Start: 48409, Stop: 48759, Start Num: 79
Candidate Starts for Inventum_78:
(Start: 79 @48409 has 234 MA's), (Start: 85 @48424 has 5 MA's), (148, 48559), (236, 48736),

Gene: Inyanga_56 Start: 40763, Stop: 40362, Start Num: 79
Candidate Starts for Inyanga_56:
(Start: 79 @40763 has 234 MA's), (Start: 85 @40751 has 5 MA's), (101, 40706), (117, 40667), (148, 40571),

Gene: Iqorha_56 Start: 40762, Stop: 40361, Start Num: 79
Candidate Starts for Iqorha_56:
(Start: 79 @40762 has 234 MA's), (Start: 85 @40750 has 5 MA's), (101, 40705), (117, 40666), (148, 40570),

Gene: IrishSherpFalk_79 Start: 48781, Stop: 49194, Start Num: 79
Candidate Starts for IrishSherpFalk_79:
(Start: 79 @48781 has 234 MA's), (Start: 85 @48796 has 5 MA's), (148, 48952), (177, 49039), (179, 49045), (192, 49069), (226, 49132), (238, 49171),

Gene: Issimir_14 Start: 5044, Stop: 5394, Start Num: 79
Candidate Starts for Issimir_14:
(Start: 79 @5044 has 234 MA's), (Start: 85 @5059 has 5 MA's), (148, 5179), (179, 5257), (185, 5269), (187, 5272), (238, 5365),

Gene: Izajani_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Izajani_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: JPickles_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for JPickles_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Jabbawokkie_88 Start: 46909, Stop: 47265, Start Num: 79

Candidate Starts for Jabbawokkie_88:
(Start: 79 @46909 has 234 MA's), (Start: 85 @46924 has 5 MA's), (148, 47044), (233, 47215), (238, 47236),

Gene: JalFarm20_87 Start: 48995, Stop: 49375, Start Num: 79
Candidate Starts for JalFarm20_87:
(40, 48899), (Start: 79 @48995 has 234 MA's), (Start: 85 @49010 has 5 MA's), (148, 49145), (179, 49229), (182, 49235), (184, 49238), (231, 49322),

Gene: James_80 Start: 49880, Stop: 50260, Start Num: 78
Candidate Starts for James_80:
(Start: 78 @49880 has 19 MA's), (Start: 85 @49895 has 5 MA's), (148, 50051), (179, 50129), (185, 50141), (187, 50144), (238, 50237),

Gene: Janiyra_13 Start: 3949, Stop: 4314, Start Num: 79
Candidate Starts for Janiyra_13:
(Start: 79 @3949 has 234 MA's), (Start: 85 @3964 has 5 MA's), (148, 4099), (179, 4177), (185, 4189), (187, 4192), (238, 4285),

Gene: Jant_80 Start: 46925, Stop: 47389, Start Num: 79
Candidate Starts for Jant_80:
(Start: 79 @46925 has 234 MA's), (Start: 85 @46940 has 5 MA's), (101, 46994), (136, 47087), (177, 47234), (179, 47240), (192, 47264), (226, 47327), (238, 47366),

Gene: Jant_84 Start: 48028, Stop: 48438, Start Num: 83
Candidate Starts for Jant_84:
(Start: 83 @48028 has 143 MA's), (Start: 85 @48040 has 5 MA's), (117, 48124), (125, 48142), (148, 48220),

Gene: Jarcob_79 Start: 49477, Stop: 49857, Start Num: 78
Candidate Starts for Jarcob_79:
(Start: 78 @49477 has 19 MA's), (Start: 85 @49492 has 5 MA's), (148, 49648), (179, 49726), (185, 49738), (187, 49741), (238, 49834),

Gene: Jasper_78 Start: 46159, Stop: 45758, Start Num: 83
Candidate Starts for Jasper_78:
(Start: 83 @46159 has 143 MA's), (148, 45967), (179, 45889), (185, 45877), (187, 45874), (238, 45781),

Gene: JayJay_7 Start: 1993, Stop: 2349, Start Num: 93
Candidate Starts for JayJay_7:
(74, 1942), (Start: 93 @1993 has 17 MA's), (98, 2005), (111, 2032), (129, 2077), (148, 2140), (179, 2218), (185, 2230), (187, 2233),

Gene: Jaygup_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Jaygup_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Jedediah_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Jedediah_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Jemmno_12 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Jemmno_12:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Jessibeth14_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Jessibeth14_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Jezreel_6 Start: 1759, Stop: 2151, Start Num: 83
Candidate Starts for Jezreel_6:
(Start: 83 @1759 has 143 MA's), (Start: 85 @1771 has 5 MA's), (100, 1819), (107, 1825), (133, 1888), (148, 1942), (179, 2020), (185, 2032), (187, 2035),

Gene: JoieB_8 Start: 2529, Stop: 2909, Start Num: 78
Candidate Starts for JoieB_8:
(Start: 78 @2529 has 19 MA's), (Start: 85 @2544 has 5 MA's), (148, 2700), (179, 2778), (185, 2790), (187, 2793),

Gene: Jorgensen_64 Start: 41112, Stop: 40717, Start Num: 83
Candidate Starts for Jorgensen_64:
(14, 41313), (55, 41169), (56, 41166), (Start: 83 @41112 has 143 MA's), (Start: 85 @41100 has 5 MA's), (148, 40944), (188, 40842),

Gene: JuicyJay_72 Start: 52118, Stop: 51702, Start Num: 83
Candidate Starts for JuicyJay_72:
(Start: 83 @52118 has 143 MA's), (Start: 85 @52106 has 5 MA's), (117, 52022), (125, 52004), (148, 51926), (153, 51896), (171, 51857), (172, 51854),

Gene: JulietS_6 Start: 1759, Stop: 2151, Start Num: 83
Candidate Starts for JulietS_6:
(Start: 83 @1759 has 143 MA's), (Start: 85 @1771 has 5 MA's), (100, 1819), (107, 1825), (133, 1888), (148, 1942), (179, 2020), (185, 2032), (187, 2035),

Gene: JustHall_13 Start: 4965, Stop: 5330, Start Num: 79
Candidate Starts for JustHall_13:
(Start: 79 @4965 has 234 MA's), (Start: 85 @4980 has 5 MA's), (148, 5115), (179, 5193), (185, 5205), (187, 5208), (238, 5301),

Gene: KBG_62 Start: 42879, Stop: 42511, Start Num: 83
Candidate Starts for KBG_62:
(53, 42936), (54, 42933), (Start: 83 @42879 has 143 MA's), (Start: 85 @42867 has 5 MA's), (148, 42732), (165, 42672), (184, 42636), (212, 42588), (214, 42585), (238, 42522),

Gene: KSSJEB_78 Start: 46842, Stop: 46471, Start Num: 83
Candidate Starts for KSSJEB_78:
(Start: 83 @46842 has 143 MA's), (Start: 85 @46830 has 5 MA's), (105, 46794), (121, 46752), (136, 46728), (148, 46686), (185, 46596), (187, 46593), (225, 46530), (240, 46494),

Gene: Kalah2_68 Start: 50277, Stop: 49861, Start Num: 83
Candidate Starts for Kalah2_68:

(Start: 83 @50277 has 143 MA's), (Start: 85 @50265 has 5 MA's), (117, 50181), (125, 50163), (148, 50085), (153, 50055), (171, 50016), (172, 50013),

Gene: Kamryn_6 Start: 1771, Stop: 2151, Start Num: 85
Candidate Starts for Kamryn_6:
(Start: 83 @1759 has 143 MA's), (Start: 85 @1771 has 5 MA's), (100, 1819), (107, 1825), (133, 1888), (148, 1942), (179, 2020), (185, 2032), (187, 2035),

Gene: KashFlow_71 Start: 46755, Stop: 46327, Start Num: 81
Candidate Starts for KashFlow_71:
(Start: 81 @46755 has 15 MA's), (Start: 85 @46740 has 5 MA's), (99, 46686), (136, 46593), (148, 46533), (238, 46356),

Gene: Kboogie_13 Start: 3968, Stop: 4333, Start Num: 79
Candidate Starts for Kboogie_13:
(Start: 79 @3968 has 234 MA's), (Start: 85 @3983 has 5 MA's), (148, 4118), (179, 4196), (185, 4208), (187, 4211), (238, 4304),

Gene: Kenmech_82 Start: 49111, Stop: 48689, Start Num: 83
Candidate Starts for Kenmech_82:
(Start: 83 @49111 has 143 MA's), (Start: 85 @49099 has 5 MA's), (148, 48943), (174, 48871), (183, 48847), (221, 48775), (240, 48712),

Gene: Kenuha5_75 Start: 48762, Stop: 49157, Start Num: 79
Candidate Starts for Kenuha5_75:
(Start: 79 @48762 has 234 MA's), (Start: 85 @48777 has 5 MA's), (148, 48897), (174, 48975), (183, 48999), (221, 49071),

Gene: Khaleesi_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Khaleesi_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Kingsley_82 Start: 50469, Stop: 50837, Start Num: 79
Candidate Starts for Kingsley_82:
(Start: 79 @50469 has 234 MA's), (Start: 85 @50484 has 5 MA's), (148, 50604), (171, 50673), (184, 50694), (218, 50754), (238, 50811),

Gene: Klein_78 Start: 51350, Stop: 50925, Start Num: 83
Candidate Starts for Klein_78:
(Start: 83 @51350 has 143 MA's), (Start: 85 @51338 has 5 MA's), (99, 51284), (136, 51191), (148, 51131), (238, 50954),

Gene: Koella_70 Start: 44029, Stop: 44454, Start Num: 79
Candidate Starts for Koella_70:
(Start: 79 @44029 has 234 MA's), (Start: 85 @44044 has 5 MA's), (148, 44224), (179, 44308), (182, 44314), (184, 44317), (231, 44401),

Gene: Koella_74 Start: 45585, Stop: 45968, Start Num: 83
Candidate Starts for Koella_74:
(19, 45411), (22, 45420), (31, 45444), (Start: 36 @45462 has 1 MA's), (64, 45555), (69, 45564), (Start: 83 @45585 has 143 MA's), (148, 45771), (155, 45801), (177, 45837), (207, 45888),

Gene: Koguma_6 Start: 1766, Stop: 2206, Start Num: 83
Candidate Starts for Koguma_6:
(Start: 83 @1766 has 143 MA's), (Start: 85 @1778 has 5 MA's), (124, 1898), (148, 1988), (159, 2030), (219, 2126), (229, 2150),

Gene: Kostya_43 Start: 35472, Stop: 35038, Start Num: 83
Candidate Starts for Kostya_43:
(51, 35544), (Start: 83 @35472 has 143 MA's), (Start: 85 @35460 has 5 MA's), (136, 35310), (148, 35250),

Gene: Krakatau_74 Start: 44687, Stop: 45067, Start Num: 79
Candidate Starts for Krakatau_74:
(Start: 79 @44687 has 234 MA's), (Start: 85 @44702 has 5 MA's), (148, 44822), (177, 44909), (179, 44915), (192, 44939), (226, 45002), (238, 45038),

Gene: KristaRAM_77 Start: 47329, Stop: 47721, Start Num: 79
Candidate Starts for KristaRAM_77:
(Start: 79 @47329 has 234 MA's), (Start: 85 @47344 has 5 MA's), (148, 47479), (177, 47566), (179, 47572), (192, 47596), (226, 47659), (238, 47698),

Gene: Kugel_63 Start: 41957, Stop: 41598, Start Num: 83
Candidate Starts for Kugel_63:
(12, 42158), (53, 42014), (54, 42011), (Start: 83 @41957 has 143 MA's), (148, 41825), (156, 41792), (166, 41771), (204, 41705), (238, 41621),

Gene: Kykar_79 Start: 47679, Stop: 47278, Start Num: 83
Candidate Starts for Kykar_79:
(Start: 83 @47679 has 143 MA's), (Start: 85 @47667 has 5 MA's), (147, 47508), (148, 47493), (184, 47412), (202, 47385),

Gene: LRRHood_6 Start: 2751, Stop: 3191, Start Num: 83
Candidate Starts for LRRHood_6:
(Start: 83 @2751 has 143 MA's), (Start: 85 @2763 has 5 MA's), (124, 2883), (148, 2973), (159, 3015), (219, 3111), (229, 3135),

Gene: LRRHood_14 Start: 5702, Stop: 6052, Start Num: 79
Candidate Starts for LRRHood_14:
(Start: 79 @5702 has 234 MA's), (Start: 85 @5717 has 5 MA's), (148, 5837), (179, 5915), (185, 5927), (187, 5930), (238, 6023),

Gene: Labradorite_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Labradorite_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: LastJedi_70 Start: 46604, Stop: 47029, Start Num: 79
Candidate Starts for LastJedi_70:
(Start: 79 @46604 has 234 MA's), (Start: 85 @46619 has 5 MA's), (148, 46799), (179, 46883), (182, 46889), (184, 46892), (231, 46976),

Gene: Latch_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Latch_13:

(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Lee7_15 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Lee7_15:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Leozinho_78 Start: 46065, Stop: 46445, Start Num: 80
Candidate Starts for Leozinho_78:
(Start: 80 @46065 has 7 MA's), (Start: 85 @46080 has 5 MA's), (109, 46140), (143, 46212), (148, 46245), (238, 46422),

Gene: Lethe_6 Start: 1613, Stop: 2053, Start Num: 83
Candidate Starts for Lethe_6:
(Start: 83 @1613 has 143 MA's), (Start: 85 @1625 has 5 MA's), (124, 1745), (148, 1835), (159, 1877), (219, 1973), (229, 1997),

Gene: LifeSavor_14 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for LifeSavor_14:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Lilbit_8 Start: 2581, Stop: 2958, Start Num: 78
Candidate Starts for Lilbit_8:
(Start: 78 @2581 has 19 MA's), (Start: 85 @2593 has 5 MA's), (148, 2749), (179, 2827), (185, 2839), (187, 2842),

Gene: Lilpickle_45 Start: 35276, Stop: 34881, Start Num: 83
Candidate Starts for Lilpickle_45:
(35, 35378), (37, 35372), (47, 35342), (Start: 83 @35276 has 143 MA's), (Start: 85 @35264 has 5 MA's), (148, 35108), (156, 35075), (166, 35054), (204, 34988), (238, 34904),

Gene: LinStu_7 Start: 2992, Stop: 3348, Start Num: 93
Candidate Starts for LinStu_7:
(74, 2941), (Start: 93 @2992 has 17 MA's), (98, 3004), (111, 3031), (129, 3076), (148, 3139), (179, 3217), (185, 3229), (187, 3232),

Gene: LittleE_79 Start: 51011, Stop: 50637, Start Num: 85
Candidate Starts for LittleE_79:
(Start: 83 @51023 has 143 MA's), (Start: 85 @51011 has 5 MA's), (148, 50891), (174, 50819), (183, 50795), (221, 50723),

Gene: LittleLaf_7 Start: 2307, Stop: 2687, Start Num: 78
Candidate Starts for LittleLaf_7:
(Start: 78 @2307 has 19 MA's), (Start: 85 @2322 has 5 MA's), (148, 2478), (179, 2556), (185, 2568), (187, 2571),

Gene: Littleton_14 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Littleton_14:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Livelaughbron_46 Start: 36111, Stop: 35677, Start Num: 83
Candidate Starts for Livelaughbron_46:
(51, 36183), (Start: 83 @36111 has 143 MA's), (Start: 85 @36099 has 5 MA's), (136, 35949), (148, 35889),

Gene: Lizziana_83 Start: 49853, Stop: 50278, Start Num: 79
Candidate Starts for Lizziana_83:
(Start: 79 @49853 has 234 MA's), (Start: 85 @49868 has 5 MA's), (148, 50048), (179, 50132), (182, 50138), (184, 50141), (231, 50225),

Gene: Llij_73 Start: 45475, Stop: 45903, Start Num: 81
Candidate Starts for Llij_73:
(Start: 81 @45475 has 15 MA's), (Start: 85 @45490 has 5 MA's), (99, 45544), (136, 45637), (148, 45697), (238, 45874),

Gene: Loanshark_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Loanshark_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: LolaVinca_8 Start: 2464, Stop: 2820, Start Num: 93
Candidate Starts for LolaVinca_8:
(Start: 93 @2464 has 17 MA's), (98, 2476), (111, 2503), (129, 2548), (148, 2611), (179, 2689), (185, 2701), (187, 2704),

Gene: LordLeafolot_8 Start: 2464, Stop: 2820, Start Num: 93
Candidate Starts for LordLeafolot_8:
(Start: 93 @2464 has 17 MA's), (98, 2476), (111, 2503), (129, 2548), (148, 2611), (179, 2689), (185, 2701), (187, 2704),

Gene: Lorde_77 Start: 44762, Stop: 45190, Start Num: 81
Candidate Starts for Lorde_77:
(Start: 81 @44762 has 15 MA's), (Start: 85 @44777 has 5 MA's), (99, 44831), (136, 44924), (148, 44984), (238, 45161),

Gene: Lucia_76 Start: 45610, Stop: 46038, Start Num: 81
Candidate Starts for Lucia_76:
(Start: 81 @45610 has 15 MA's), (Start: 85 @45625 has 5 MA's), (99, 45679), (136, 45772), (148, 45832), (238, 46009),

Gene: Lucky2013_77 Start: 48582, Stop: 48184, Start Num: 83
Candidate Starts for Lucky2013_77:
(Start: 83 @48582 has 143 MA's), (Start: 85 @48570 has 5 MA's), (148, 48414), (179, 48330), (182, 48324), (184, 48321), (231, 48237),

Gene: Lucky2013_71 Start: 46711, Stop: 46307, Start Num: 85
Candidate Starts for Lucky2013_71:
(Start: 83 @46723 has 143 MA's), (Start: 85 @46711 has 5 MA's), (117, 46627), (125, 46609), (148, 46531), (153, 46501), (171, 46462), (172, 46459),

Gene: Lukilu_6 Start: 2765, Stop: 3205, Start Num: 83
Candidate Starts for Lukilu_6:

(Start: 83 @2765 has 143 MA's), (Start: 85 @2777 has 5 MA's), (124, 2897), (148, 2987), (159, 3029), (219, 3125), (229, 3149),

Gene: LunaBlu_82 Start: 48900, Stop: 49268, Start Num: 79
Candidate Starts for LunaBlu_82:
(Start: 79 @48900 has 234 MA's), (Start: 85 @48915 has 5 MA's), (148, 49050), (155, 49080), (175, 49119), (176, 49122), (236, 49245),

Gene: Maby2021_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Maby2021_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Manda_46 Start: 36625, Stop: 36245, Start Num: 78
Candidate Starts for Manda_46:
(Start: 67 @36646 has 2 MA's), (73, 36634), (Start: 78 @36625 has 19 MA's), (Start: 85 @36613 has 5 MA's), (148, 36493), (177, 36406), (179, 36400), (226, 36313), (238, 36274),

Gene: Mangeria_6 Start: 1759, Stop: 2133, Start Num: 83
Candidate Starts for Mangeria_6:
(Start: 83 @1759 has 143 MA's), (92, 1798), (122, 1843), (148, 1906), (188, 2008),

Gene: Mantra_76 Start: 47820, Stop: 48170, Start Num: 79
Candidate Starts for Mantra_76:
(40, 47724), (Start: 79 @47820 has 234 MA's), (Start: 85 @47835 has 5 MA's), (148, 47955),

Gene: Marker_91 Start: 50605, Stop: 50967, Start Num: 83
Candidate Starts for Marker_91:
(19, 50431), (22, 50440), (26, 50452), (31, 50464), (64, 50575), (69, 50584), (Start: 83 @50605 has 143 MA's), (Start: 85 @50617 has 5 MA's), (119, 50695), (133, 50719), (148, 50761),

Gene: Marker_82 Start: 48016, Stop: 48423, Start Num: 83
Candidate Starts for Marker_82:
(30, 47893), (60, 47986), (65, 47995), (Start: 83 @48016 has 143 MA's), (91, 48055), (128, 48100), (148, 48163), (174, 48241), (183, 48265), (221, 48337),

Gene: Martik_80 Start: 50276, Stop: 50662, Start Num: 80
Candidate Starts for Martik_80:
(Start: 80 @50276 has 7 MA's), (Start: 85 @50291 has 5 MA's), (109, 50351), (143, 50423), (148, 50456), (238, 50633),

Gene: MaryBeth_59 Start: 41225, Stop: 40836, Start Num: 83
Candidate Starts for MaryBeth_59:
(12, 41426), (53, 41282), (54, 41279), (Start: 83 @41225 has 143 MA's), (Start: 85 @41213 has 5 MA's), (140, 41126), (148, 41093), (174, 41015), (183, 40991), (221, 40919),

Gene: Matsumoto_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Matsumoto_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: McGee_13 Start: 3968, Stop: 4333, Start Num: 79
Candidate Starts for McGee_13:

(Start: 79 @3968 has 234 MA's), (Start: 85 @3983 has 5 MA's), (148, 4118), (179, 4196), (185, 4208), (187, 4211), (238, 4304),

Gene: McWolfish_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for McWolfish_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Medindi_83 Start: 49245, Stop: 49694, Start Num: 82
Candidate Starts for Medindi_83:
(82, 49245), (Start: 85 @49257 has 5 MA's), (139, 49407), (148, 49464), (187, 49560), (224, 49626), (234, 49650), (238, 49671),

Gene: Megamind_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Megamind_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Melpomini_13 Start: 3949, Stop: 4314, Start Num: 79
Candidate Starts for Melpomini_13:
(Start: 79 @3949 has 234 MA's), (Start: 85 @3964 has 5 MA's), (148, 4099), (179, 4177), (185, 4189), (187, 4192), (238, 4285),

Gene: MetalQZJ_58 Start: 41225, Stop: 40836, Start Num: 83
Candidate Starts for MetalQZJ_58:
(12, 41426), (53, 41282), (54, 41279), (Start: 83 @41225 has 143 MA's), (Start: 85 @41213 has 5 MA's), (140, 41126), (148, 41093), (174, 41015), (183, 40991), (221, 40919),

Gene: MiaZeal_80 Start: 49238, Stop: 48840, Start Num: 83
Candidate Starts for MiaZeal_80:
(Start: 83 @49238 has 143 MA's), (Start: 85 @49226 has 5 MA's), (148, 49070), (179, 48986), (182, 48980), (184, 48977), (231, 48893),

Gene: MiaZeal_74 Start: 47379, Stop: 46963, Start Num: 83
Candidate Starts for MiaZeal_74:
(Start: 83 @47379 has 143 MA's), (Start: 85 @47367 has 5 MA's), (117, 47283), (125, 47265), (148, 47187), (153, 47157), (171, 47118), (172, 47115),

Gene: MikeLiesIn_15 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for MikeLiesIn_15:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Mikro_6 Start: 2758, Stop: 3150, Start Num: 83
Candidate Starts for Mikro_6:
(Start: 83 @2758 has 143 MA's), (Start: 85 @2770 has 5 MA's), (100, 2818), (107, 2824), (133, 2887), (148, 2941), (179, 3019), (185, 3031), (187, 3034),

Gene: MinionDave_75 Start: 47890, Stop: 48285, Start Num: 83
Candidate Starts for MinionDave_75:
(Start: 83 @47890 has 143 MA's), (Start: 85 @47902 has 5 MA's), (148, 48037), (174, 48115), (199, 48166), (213, 48190), (223, 48208), (228, 48223), (238, 48262),

Gene: Minnie_76 Start: 50008, Stop: 50400, Start Num: 79
Candidate Starts for Minnie_76:
(Start: 79 @50008 has 234 MA's), (Start: 85 @50023 has 5 MA's), (149, 50161), (177, 50245), (179, 50251), (192, 50275), (226, 50338), (238, 50377),

Gene: Misfit_44 Start: 36046, Stop: 35612, Start Num: 83
Candidate Starts for Misfit_44:
(51, 36118), (Start: 83 @36046 has 143 MA's), (Start: 85 @36034 has 5 MA's), (136, 35884), (148, 35824),

Gene: MisterCuddles_76 Start: 48247, Stop: 48597, Start Num: 79
Candidate Starts for MisterCuddles_76:
(Start: 79 @48247 has 234 MA's), (Start: 85 @48262 has 5 MA's), (148, 48382),

Gene: MoMoMixon_5 Start: 1605, Stop: 1997, Start Num: 83
Candidate Starts for MoMoMixon_5:
(Start: 83 @1605 has 143 MA's), (Start: 85 @1617 has 5 MA's), (100, 1665), (107, 1671), (133, 1734), (148, 1788), (179, 1866), (185, 1878), (187, 1881),

Gene: Moby_10 Start: 2543, Stop: 2995, Start Num: 79
Candidate Starts for Moby_10:
(Start: 79 @2543 has 234 MA's), (Start: 85 @2558 has 5 MA's), (133, 2708), (148, 2765), (179, 2849), (182, 2855), (184, 2858), (231, 2942),

Gene: Moiqah_10 Start: 2543, Stop: 2995, Start Num: 79
Candidate Starts for Moiqah_10:
(Start: 79 @2543 has 234 MA's), (Start: 85 @2558 has 5 MA's), (133, 2708), (148, 2765), (179, 2849), (182, 2855), (184, 2858), (231, 2942),

Gene: Momo_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Momo_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: MooMoo_48 Start: 36030, Stop: 36353, Start Num: 94
Candidate Starts for MooMoo_48:
(86, 36000), (Start: 94 @36030 has 1 MA's), (96, 36036), (108, 36045), (127, 36099), (138, 36123), (144, 36147), (145, 36156), (150, 36186), (151, 36192), (169, 36246), (181, 36273),

Gene: Morizzled23_13 Start: 3949, Stop: 4314, Start Num: 79
Candidate Starts for Morizzled23_13:
(Start: 79 @3949 has 234 MA's), (Start: 85 @3964 has 5 MA's), (148, 4099), (179, 4177), (185, 4189), (187, 4192), (238, 4285),

Gene: MosMoris_9 Start: 2524, Stop: 2901, Start Num: 79
Candidate Starts for MosMoris_9:
(Start: 79 @2524 has 234 MA's), (Start: 85 @2539 has 5 MA's), (148, 2674), (156, 2707), (166, 2728), (204, 2794), (238, 2878),

Gene: Ms6_77 Start: 44192, Stop: 44584, Start Num: 73
Candidate Starts for Ms6_77:
(16, 44018), (20, 44033), (23, 44042), (32, 44072), (73, 44192), (88, 44243), (90, 44252), (92, 44255), (135, 44327), (137, 44330), (150, 44369), (171, 44429), (218, 44510),

Gene: Ms6_78 Start: 44647, Stop: 45045, Start Num: 101
Candidate Starts for Ms6_78:
(Start: 83 @44581 has 143 MA's), (Start: 85 @44593 has 5 MA's), (101, 44647), (136, 44740), (177, 44887), (179, 44893), (192, 44917), (238, 45016),

Gene: Murica_44 Start: 35981, Stop: 35547, Start Num: 83
Candidate Starts for Murica_44:
(51, 36053), (Start: 83 @35981 has 143 MA's), (Start: 85 @35969 has 5 MA's), (136, 35819), (148, 35759),

Gene: Mwanjiwa_82 Start: 49238, Stop: 49618, Start Num: 79
Candidate Starts for Mwanjiwa_82:
(Start: 79 @49238 has 234 MA's), (Start: 85 @49253 has 5 MA's), (148, 49373), (174, 49451), (199, 49502), (213, 49526), (223, 49544), (228, 49559), (238, 49595),

Gene: Naija_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Naija_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Napoleon13_13 Start: 3968, Stop: 4333, Start Num: 79
Candidate Starts for Napoleon13_13:
(Start: 79 @3968 has 234 MA's), (Start: 85 @3983 has 5 MA's), (148, 4118), (179, 4196), (185, 4208), (187, 4211), (238, 4304),

Gene: Nappy_6 Start: 1987, Stop: 2343, Start Num: 93
Candidate Starts for Nappy_6:
(Start: 93 @1987 has 17 MA's), (111, 2026), (129, 2071), (148, 2134), (179, 2212), (185, 2224), (187, 2227),

Gene: Naval22_6 Start: 1605, Stop: 1997, Start Num: 83
Candidate Starts for Naval22_6:
(Start: 83 @1605 has 143 MA's), (Start: 85 @1617 has 5 MA's), (100, 1665), (107, 1671), (133, 1734), (148, 1788), (179, 1866), (185, 1878), (187, 1881),

Gene: NedWong_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for NedWong_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Nekros_75 Start: 49878, Stop: 49516, Start Num: 83
Candidate Starts for Nekros_75:
(Start: 83 @49878 has 143 MA's), (Start: 85 @49866 has 5 MA's), (179, 49662), (182, 49656), (184, 49653), (231, 49569),

Gene: Ngannou_13 Start: 3949, Stop: 4314, Start Num: 79
Candidate Starts for Ngannou_13:
(Start: 79 @3949 has 234 MA's), (Start: 85 @3964 has 5 MA's), (148, 4099), (179, 4177), (185, 4189), (187, 4192), (238, 4285),

Gene: Nibley_69 Start: 46726, Stop: 46364, Start Num: 83
Candidate Starts for Nibley_69:

(Start: 83 @46726 has 143 MA's), (Start: 85 @46714 has 5 MA's), (148, 46594), (179, 46510), (182, 46504), (184, 46501), (231, 46417),

Gene: Nidhogg_5 Start: 1605, Stop: 1997, Start Num: 83
Candidate Starts for Nidhogg_5:
(Start: 83 @1605 has 143 MA's), (Start: 85 @1617 has 5 MA's), (100, 1665), (107, 1671), (133, 1734), (148, 1788), (179, 1866), (185, 1878), (187, 1881),

Gene: NihilNomen_74 Start: 51071, Stop: 50655, Start Num: 83
Candidate Starts for NihilNomen_74:
(Start: 83 @51071 has 143 MA's), (Start: 85 @51059 has 5 MA's), (117, 50975), (125, 50957), (148, 50879), (153, 50849), (171, 50810), (172, 50807),

Gene: Nimrod_45 Start: 36239, Stop: 35805, Start Num: 83
Candidate Starts for Nimrod_45:
(51, 36311), (Start: 83 @36239 has 143 MA's), (Start: 85 @36227 has 5 MA's), (136, 36077), (148, 36017),

Gene: Nitzel_73 Start: 45555, Stop: 45947, Start Num: 79
Candidate Starts for Nitzel_73:
(Start: 79 @45555 has 234 MA's), (Start: 85 @45570 has 5 MA's), (148, 45705), (177, 45792), (179, 45798), (192, 45822), (226, 45885), (238, 45924),

Gene: NonchalantPear_46 Start: 35570, Stop: 35184, Start Num: 67
Candidate Starts for NonchalantPear_46:
(6, 35774), (29, 35690), (Start: 67 @35570 has 2 MA's), (Start: 83 @35546 has 143 MA's), (Start: 85 @35534 has 5 MA's), (148, 35414), (162, 35360), (168, 35351), (196, 35303), (200, 35297), (220, 35261), (226, 35243), (238, 35207),

Gene: NoodleTree_6 Start: 1759, Stop: 2151, Start Num: 83
Candidate Starts for NoodleTree_6:
(Start: 83 @1759 has 143 MA's), (Start: 85 @1771 has 5 MA's), (100, 1819), (107, 1825), (133, 1888), (148, 1942), (179, 2020), (185, 2032), (187, 2035),

Gene: Norm_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Norm_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: NormanBulbieJr_75 Start: 48043, Stop: 48468, Start Num: 79
Candidate Starts for NormanBulbieJr_75:
(Start: 79 @48043 has 234 MA's), (Start: 85 @48058 has 5 MA's), (148, 48238), (179, 48322), (182, 48328), (184, 48331), (231, 48415),

Gene: NormanBulbieJr_80 Start: 49599, Stop: 49982, Start Num: 83
Candidate Starts for NormanBulbieJr_80:
(19, 49425), (22, 49434), (31, 49458), (Start: 36 @49476 has 1 MA's), (64, 49569), (69, 49578), (Start: 83 @49599 has 143 MA's), (148, 49785), (155, 49815), (177, 49851), (207, 49902),

Gene: NuevoMundo_7 Start: 2137, Stop: 2493, Start Num: 93
Candidate Starts for NuevoMundo_7:
(Start: 93 @2137 has 17 MA's), (98, 2149), (111, 2176), (129, 2221), (148, 2284), (179, 2362), (185, 2374), (187, 2377),

Gene: Odette_72 Start: 50114, Stop: 49698, Start Num: 83
Candidate Starts for Odette_72:
(Start: 83 @50114 has 143 MA's), (Start: 85 @50102 has 5 MA's), (117, 50018), (125, 50000), (148, 49922), (153, 49892), (171, 49853), (172, 49850),

Gene: Ogopogo_85 Start: 48076, Stop: 48471, Start Num: 83
Candidate Starts for Ogopogo_85:
(52, 48034), (Start: 83 @48076 has 143 MA's), (Start: 85 @48088 has 5 MA's), (148, 48244), (156, 48277), (166, 48298), (204, 48364), (238, 48448),

Gene: Okabe_75 Start: 45236, Stop: 45616, Start Num: 79
Candidate Starts for Okabe_75:
(Start: 79 @45236 has 234 MA's), (Start: 85 @45251 has 5 MA's), (148, 45371), (174, 45449), (199, 45500), (213, 45524), (223, 45542), (228, 45557), (238, 45593),

Gene: OlympiaSaint_79 Start: 48822, Stop: 49202, Start Num: 78
Candidate Starts for OlympiaSaint_79:
(Start: 78 @48822 has 19 MA's), (Start: 85 @48837 has 5 MA's), (148, 48993), (179, 49071), (185, 49083), (187, 49086), (238, 49179),

Gene: Omega_81 Start: 52384, Stop: 51857, Start Num: 28
Candidate Starts for Omega_81:
(Start: 28 @52384 has 1 MA's), (48, 52312), (50, 52309), (Start: 83 @52243 has 143 MA's), (Start: 85 @52231 has 5 MA's), (148, 52111), (174, 52039), (183, 52015), (221, 51943),

Gene: OrediggerDelux_15 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for OrediggerDelux_15:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Ovechkin_81 Start: 48812, Stop: 49225, Start Num: 81
Candidate Starts for Ovechkin_81:
(Start: 81 @48812 has 15 MA's), (Start: 85 @48827 has 5 MA's), (109, 48887), (142, 48959), (148, 48992), (187, 49088), (224, 49154), (234, 49178),

Gene: Ovechkin_85 Start: 49845, Stop: 50309, Start Num: 68
Candidate Starts for Ovechkin_85:
(Start: 68 @49845 has 1 MA's), (Start: 83 @49878 has 143 MA's), (132, 50022), (148, 50094), (170, 50157),

Gene: PMC_74 Start: 46932, Stop: 47360, Start Num: 81
Candidate Starts for PMC_74:
(Start: 81 @46932 has 15 MA's), (Start: 85 @46947 has 5 MA's), (99, 47001), (136, 47094), (148, 47154), (238, 47331),

Gene: Palpatine_45 Start: 36011, Stop: 35577, Start Num: 83
Candidate Starts for Palpatine_45:
(51, 36083), (Start: 83 @36011 has 143 MA's), (Start: 85 @35999 has 5 MA's), (136, 35849), (148, 35789),

Gene: ParkTD_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for ParkTD_14:

(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Pat3_42 Start: 34357, Stop: 33938, Start Num: 83
Candidate Starts for Pat3_42:
(71, 34378), (75, 34366), (Start: 83 @34357 has 143 MA's), (Start: 85 @34345 has 5 MA's), (148, 34171), (188, 34069),

Gene: Patter_13 Start: 4002, Stop: 4352, Start Num: 85
Candidate Starts for Patter_13:
(Start: 79 @3987 has 234 MA's), (Start: 85 @4002 has 5 MA's), (148, 4137), (179, 4215), (185, 4227), (187, 4230), (238, 4323),

Gene: Peterson_65 Start: 43369, Stop: 42962, Start Num: 83
Candidate Starts for Peterson_65:
(10, 43570), (53, 43426), (54, 43423), (Start: 83 @43369 has 143 MA's), (Start: 85 @43357 has 5 MA's), (105, 43318), (147, 43216), (167, 43138), (198, 43084), (216, 43051), (222, 43042), (237, 42994),

Gene: Peterson_79 Start: 49024, Stop: 48623, Start Num: 59
Candidate Starts for Peterson_79:
(Start: 59 @49024 has 1 MA's), (62, 49012), (89, 48949), (108, 48940), (148, 48847), (164, 48805), (220, 48709), (238, 48652),

Gene: Petra64142_47 Start: 36475, Stop: 36041, Start Num: 83
Candidate Starts for Petra64142_47:
(51, 36547), (Start: 83 @36475 has 143 MA's), (Start: 85 @36463 has 5 MA's), (136, 36313), (148, 36253),

Gene: Petruchio_60 Start: 40166, Stop: 39780, Start Num: 83
Candidate Starts for Petruchio_60:
(Start: 83 @40166 has 143 MA's), (Start: 85 @40154 has 5 MA's), (148, 40034), (174, 39962), (183, 39938), (221, 39866), (240, 39803),

Gene: Phalconet_76 Start: 47337, Stop: 47762, Start Num: 79
Candidate Starts for Phalconet_76:
(Start: 79 @47337 has 234 MA's), (Start: 85 @47352 has 5 MA's), (113, 47436), (118, 47454), (148, 47532), (179, 47616), (182, 47622), (184, 47625), (231, 47709),

Gene: Phanphagia_77 Start: 48265, Stop: 48633, Start Num: 79
Candidate Starts for Phanphagia_77:
(Start: 79 @48265 has 234 MA's), (Start: 85 @48280 has 5 MA's), (148, 48400), (171, 48469), (184, 48490), (218, 48550), (238, 48607),

Gene: PharkleMinkus_8 Start: 2465, Stop: 2821, Start Num: 93
Candidate Starts for PharkleMinkus_8:
(Start: 93 @2465 has 17 MA's), (98, 2477), (111, 2504), (129, 2549), (148, 2612), (179, 2690), (185, 2702), (187, 2705),

Gene: PhatBacter_45 Start: 36025, Stop: 35591, Start Num: 83
Candidate Starts for PhatBacter_45:
(51, 36097), (Start: 83 @36025 has 143 MA's), (Start: 85 @36013 has 5 MA's), (136, 35863), (148, 35803),

Gene: Phatniss_74 Start: 46570, Stop: 46998, Start Num: 81
Candidate Starts for Phatniss_74:
(Start: 81 @46570 has 15 MA's), (Start: 85 @46585 has 5 MA's), (99, 46639), (136, 46732), (148, 46792), (238, 46969),

Gene: Phaux_44 Start: 36023, Stop: 35589, Start Num: 83
Candidate Starts for Phaux_44:
(51, 36095), (Start: 83 @36023 has 143 MA's), (Start: 85 @36011 has 5 MA's), (136, 35861), (148, 35801),

Gene: PherrisBueller_78 Start: 45810, Stop: 45409, Start Num: 83
Candidate Starts for PherrisBueller_78:
(Start: 83 @45810 has 143 MA's), (148, 45618), (179, 45540), (185, 45528), (187, 45525), (238, 45432),

Gene: PhesterPhotato_83 Start: 48607, Stop: 48993, Start Num: 83
Candidate Starts for PhesterPhotato_83:
(Start: 83 @48607 has 143 MA's), (Start: 85 @48619 has 5 MA's), (148, 48739), (174, 48811), (183, 48835), (221, 48907),

Gene: PhesterPhotato_82 Start: 48233, Stop: 48610, Start Num: 79
Candidate Starts for PhesterPhotato_82:
(Start: 79 @48233 has 234 MA's), (Start: 85 @48248 has 5 MA's), (148, 48383), (177, 48470), (179, 48476), (192, 48500),

Gene: Philus_82 Start: 50521, Stop: 50901, Start Num: 78
Candidate Starts for Philus_82:
(Start: 78 @50521 has 19 MA's), (Start: 85 @50536 has 5 MA's), (148, 50692), (179, 50770), (185, 50782), (187, 50785), (238, 50878),

Gene: Phlegm_14 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Phlegm_14:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Phoebus_76 Start: 52253, Stop: 51837, Start Num: 83
Candidate Starts for Phoebus_76:
(Start: 83 @52253 has 143 MA's), (Start: 85 @52241 has 5 MA's), (117, 52157), (125, 52139), (148, 52061), (153, 52031), (171, 51992), (172, 51989),

Gene: Phox_6 Start: 2748, Stop: 3188, Start Num: 83
Candidate Starts for Phox_6:
(Start: 83 @2748 has 143 MA's), (Start: 85 @2760 has 5 MA's), (124, 2880), (148, 2970), (159, 3012), (219, 3108), (229, 3132),

Gene: Phox_14 Start: 5699, Stop: 6049, Start Num: 79
Candidate Starts for Phox_14:
(Start: 79 @5699 has 234 MA's), (Start: 85 @5714 has 5 MA's), (148, 5834), (179, 5912), (185, 5924), (187, 5927), (238, 6020),

Gene: Phusco_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Phusco_13:

(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Pier_7 Start: 2140, Stop: 2496, Start Num: 93
Candidate Starts for Pier_7:
(Start: 93 @2140 has 17 MA's), (98, 2152), (111, 2179), (129, 2224), (148, 2287), (179, 2365), (185, 2377), (187, 2380),

Gene: Pinkcreek_9 Start: 4088, Stop: 4453, Start Num: 79
Candidate Starts for Pinkcreek_9:
(Start: 79 @4088 has 234 MA's), (Start: 85 @4103 has 5 MA's), (148, 4238), (179, 4316), (185, 4328), (187, 4331), (238, 4424),

Gene: Pio_6 Start: 1759, Stop: 2151, Start Num: 83
Candidate Starts for Pio_6:
(Start: 83 @1759 has 143 MA's), (Start: 85 @1771 has 5 MA's), (100, 1819), (107, 1825), (133, 1888), (148, 1942), (179, 2020), (185, 2032), (187, 2035),

Gene: Pippy_75 Start: 47171, Stop: 47551, Start Num: 80
Candidate Starts for Pippy_75:
(Start: 80 @47171 has 7 MA's), (Start: 85 @47186 has 5 MA's), (109, 47246), (143, 47318), (148, 47351), (238, 47528),

Gene: Pivoine_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Pivoine_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Pleione_15 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Pleione_15:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Plumbus_81 Start: 45998, Stop: 46525, Start Num: 42
Candidate Starts for Plumbus_81:
(Start: 42 @45998 has 1 MA's), (43, 46001), (61, 46058), (62, 46061), (70, 46073), (112, 46163), (148, 46265), (174, 46337), (183, 46361), (221, 46433), (240, 46496),

Gene: Policronamos_45 Start: 36023, Stop: 35589, Start Num: 83
Candidate Starts for Policronamos_45:
(51, 36095), (Start: 83 @36023 has 143 MA's), (Start: 85 @36011 has 5 MA's), (136, 35861), (148, 35801),

Gene: Porcelain_73 Start: 47379, Stop: 46963, Start Num: 83
Candidate Starts for Porcelain_73:
(Start: 83 @47379 has 143 MA's), (Start: 85 @47367 has 5 MA's), (117, 47283), (125, 47265), (148, 47187), (153, 47157), (171, 47118), (172, 47115),

Gene: Porcelain_79 Start: 49238, Stop: 48840, Start Num: 83
Candidate Starts for Porcelain_79:
(Start: 83 @49238 has 143 MA's), (Start: 85 @49226 has 5 MA's), (148, 49070), (179, 48986), (182, 48980), (184, 48977), (231, 48893),

Gene: PowerRanger_59 Start: 41974, Stop: 41528, Start Num: 83
Candidate Starts for PowerRanger_59:
(53, 42031), (54, 42028), (Start: 83 @41974 has 143 MA's), (101, 41917), (117, 41878), (125, 41860), (148, 41782), (169, 41710), (180, 41686), (221, 41614), (241, 41551),

Gene: Pringar_7 Start: 2135, Stop: 2512, Start Num: 78
Candidate Starts for Pringar_7:
(Start: 78 @2135 has 19 MA's), (Start: 85 @2147 has 5 MA's), (148, 2303), (179, 2381), (185, 2393), (187, 2396),

Gene: Priscilla_82 Start: 49697, Stop: 50080, Start Num: 83
Candidate Starts for Priscilla_82:
(19, 49523), (22, 49532), (31, 49556), (Start: 36 @49574 has 1 MA's), (64, 49667), (69, 49676), (Start: 83 @49697 has 143 MA's), (148, 49883), (155, 49913), (177, 49949), (207, 50000),

Gene: Priscilla_76 Start: 48141, Stop: 48566, Start Num: 79
Candidate Starts for Priscilla_76:
(Start: 79 @48141 has 234 MA's), (Start: 85 @48156 has 5 MA's), (148, 48336), (179, 48420), (182, 48426), (184, 48429), (231, 48513),

Gene: Puppet_76 Start: 48323, Stop: 47952, Start Num: 83
Candidate Starts for Puppet_76:
(Start: 83 @48323 has 143 MA's), (Start: 85 @48311 has 5 MA's), (105, 48275), (121, 48233), (136, 48209), (148, 48167), (185, 48077), (187, 48074), (225, 48011), (240, 47975),

Gene: PurduePete_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for PurduePete_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: QBert_6 Start: 2762, Stop: 3154, Start Num: 83
Candidate Starts for QBert_6:
(Start: 83 @2762 has 143 MA's), (Start: 85 @2774 has 5 MA's), (100, 2822), (107, 2828), (133, 2891), (148, 2945), (179, 3023), (185, 3035), (187, 3038),

Gene: Quasimodo_13 Start: 4969, Stop: 5334, Start Num: 79
Candidate Starts for Quasimodo_13:
(Start: 79 @4969 has 234 MA's), (Start: 85 @4984 has 5 MA's), (148, 5119), (179, 5197), (185, 5209), (187, 5212), (238, 5305),

Gene: Rabinovish_12 Start: 4755, Stop: 5105, Start Num: 79
Candidate Starts for Rabinovish_12:
(Start: 79 @4755 has 234 MA's), (Start: 85 @4770 has 5 MA's), (148, 4890), (179, 4968), (185, 4980), (187, 4983), (238, 5076),

Gene: Radiance_78 Start: 48851, Stop: 49231, Start Num: 80
Candidate Starts for Radiance_78:
(Start: 80 @48851 has 7 MA's), (Start: 85 @48866 has 5 MA's), (109, 48926), (143, 48998), (148, 49031), (238, 49208),

Gene: Raela_7 Start: 2533, Stop: 2922, Start Num: 79
Candidate Starts for Raela_7:

(Start: 79 @2533 has 234 MA's), (Start: 85 @2548 has 5 MA's), (148, 2668), (174, 2740), (183, 2764), (221, 2836), (240, 2899),

Gene: Rahel_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Rahel_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Raid_77 Start: 47398, Stop: 46961, Start Num: 83
Candidate Starts for Raid_77:
(Start: 83 @47398 has 143 MA's), (Start: 85 @47386 has 5 MA's), (114, 47302), (148, 47206), (174, 47128), (199, 47077), (213, 47053), (223, 47035), (228, 47020), (238, 46984),

Gene: Ramsey_83 Start: 50333, Stop: 50683, Start Num: 79
Candidate Starts for Ramsey_83:
(Start: 79 @50333 has 234 MA's), (Start: 85 @50348 has 5 MA's), (148, 50483), (236, 50660),

Gene: RedBird_81 Start: 50091, Stop: 50441, Start Num: 79
Candidate Starts for RedBird_81:
(Start: 79 @50091 has 234 MA's), (Start: 85 @50106 has 5 MA's), (148, 50241), (236, 50418),

Gene: RedRaider77_8 Start: 2530, Stop: 2889, Start Num: 79
Candidate Starts for RedRaider77_8:
(Start: 79 @2530 has 234 MA's), (Start: 85 @2545 has 5 MA's), (148, 2680), (179, 2758), (185, 2770), (187, 2773), (238, 2866), (243, 2884),

Gene: Redno2_70 Start: 47867, Stop: 47451, Start Num: 83
Candidate Starts for Redno2_70:
(Start: 83 @47867 has 143 MA's), (Start: 85 @47855 has 5 MA's), (117, 47771), (125, 47753), (148, 47675), (153, 47645), (171, 47606), (172, 47603),

Gene: Renaud18_89 Start: 49475, Stop: 49831, Start Num: 79
Candidate Starts for Renaud18_89:
(24, 49322), (30, 49337), (Start: 79 @49475 has 234 MA's), (Start: 85 @49490 has 5 MA's), (148, 49610), (169, 49670), (176, 49685), (187, 49709), (190, 49715), (212, 49748), (238, 49802),

Gene: Ringer_61 Start: 42004, Stop: 41573, Start Num: 83
Candidate Starts for Ringer_61:
(9, 42205), (52, 42061), (53, 42058), (Start: 83 @42004 has 143 MA's), (Start: 85 @41992 has 5 MA's), (136, 41842), (139, 41839), (148, 41782), (179, 41704), (185, 41692), (187, 41689),

Gene: Rita_85 Start: 50514, Stop: 50948, Start Num: 76
Candidate Starts for Rita_85:
(18, 50340), (22, 50355), (25, 50364), (34, 50394), (Start: 76 @50514 has 1 MA's), (Start: 85 @50538 has 5 MA's), (148, 50718), (187, 50814), (224, 50880), (234, 50904), (238, 50925),

Gene: Rizal_13 Start: 3965, Stop: 4330, Start Num: 79
Candidate Starts for Rizal_13:
(Start: 79 @3965 has 234 MA's), (Start: 85 @3980 has 5 MA's), (148, 4115), (179, 4193), (185, 4205), (187, 4208), (238, 4301),

Gene: RoMag_5 Start: 2623, Stop: 3003, Start Num: 85
Candidate Starts for RoMag_5:

(Start: 83 @2611 has 143 MA's), (Start: 85 @2623 has 5 MA's), (100, 2671), (107, 2677), (133, 2740), (148, 2794), (179, 2872), (185, 2884), (187, 2887),

Gene: Rockne_78 Start: 46944, Stop: 47372, Start Num: 81
Candidate Starts for Rockne_78:
(Start: 81 @46944 has 15 MA's), (Start: 85 @46959 has 5 MA's), (99, 47013), (136, 47106), (148, 47166), (238, 47343),

Gene: Ronan_6 Start: 1749, Stop: 2189, Start Num: 83
Candidate Starts for Ronan_6:
(Start: 83 @1749 has 143 MA's), (Start: 85 @1761 has 5 MA's), (124, 1881), (148, 1971), (159, 2013), (219, 2109), (229, 2133),

Gene: Roots515_14 Start: 5049, Stop: 5399, Start Num: 79
Candidate Starts for Roots515_14:
(Start: 79 @5049 has 234 MA's), (Start: 85 @5064 has 5 MA's), (148, 5184), (179, 5262), (185, 5274), (187, 5277), (238, 5370),

Gene: Ruby_73 Start: 48248, Stop: 48598, Start Num: 79
Candidate Starts for Ruby_73:
(Start: 79 @48248 has 234 MA's), (Start: 85 @48263 has 5 MA's), (148, 48383),

Gene: SG4_76 Start: 47114, Stop: 47569, Start Num: 79
Candidate Starts for SG4_76:
(Start: 79 @47114 has 234 MA's), (Start: 85 @47129 has 5 MA's), (131, 47279), (133, 47282), (148, 47339), (179, 47423), (182, 47429), (184, 47432), (231, 47516),

Gene: STLscum_69 Start: 42972, Stop: 42544, Start Num: 83
Candidate Starts for STLscum_69:
(12, 43173), (53, 43029), (54, 43026), (Start: 83 @42972 has 143 MA's), (Start: 85 @42960 has 5 MA's), (148, 42804), (174, 42726), (183, 42702), (221, 42630),

Gene: SVoro_14 Start: 5044, Stop: 5394, Start Num: 79
Candidate Starts for SVoro_14:
(Start: 79 @5044 has 234 MA's), (Start: 85 @5059 has 5 MA's), (148, 5179), (179, 5257), (185, 5269), (187, 5272), (238, 5365),

Gene: Saal_78 Start: 49224, Stop: 49649, Start Num: 79
Candidate Starts for Saal_78:
(Start: 79 @49224 has 234 MA's), (Start: 85 @49239 has 5 MA's), (148, 49419), (179, 49503), (182, 49509), (184, 49512), (231, 49596),

Gene: Saints25_43 Start: 34897, Stop: 34421, Start Num: 79
Candidate Starts for Saints25_43:
(44, 34969), (Start: 79 @34897 has 234 MA's), (Start: 85 @34885 has 5 MA's), (136, 34735), (148, 34675), (174, 34603), (183, 34579), (221, 34507), (240, 34444),

Gene: Salacia_15 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Salacia_15:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Sandalphon_74 Start: 47993, Stop: 48385, Start Num: 79

Candidate Starts for Sandalphon_74:
(Start: 79 @47993 has 234 MA's), (Start: 85 @48008 has 5 MA's), (149, 48146), (177, 48230), (179, 48236), (192, 48260), (226, 48323), (238, 48362),

Gene: SarFire_60 Start: 40901, Stop: 40488, Start Num: 83
Candidate Starts for SarFire_60:
(12, 41102), (53, 40958), (54, 40955), (Start: 83 @40901 has 143 MA's), (91, 40862), (128, 40817), (148, 40754), (174, 40676), (183, 40652), (221, 40580),

Gene: Sarma624_77 Start: 44943, Stop: 45320, Start Num: 79
Candidate Starts for Sarma624_77:
(Start: 79 @44943 has 234 MA's), (Start: 85 @44958 has 5 MA's), (148, 45114), (161, 45156), (203, 45222), (205, 45225), (237, 45294),

Gene: Saskia_70 Start: 41786, Stop: 41358, Start Num: 49
Candidate Starts for Saskia_70:
(Start: 49 @41786 has 1 MA's), (57, 41762), (Start: 83 @41717 has 143 MA's), (Start: 85 @41705 has 5 MA's), (148, 41585), (179, 41501), (182, 41495), (184, 41492), (231, 41408),

Gene: Sassafras_81 Start: 48408, Stop: 48758, Start Num: 79
Candidate Starts for Sassafras_81:
(Start: 79 @48408 has 234 MA's), (Start: 85 @48423 has 5 MA's), (148, 48558), (236, 48735),

Gene: Sauce_5 Start: 1609, Stop: 2001, Start Num: 83
Candidate Starts for Sauce_5:
(Start: 83 @1609 has 143 MA's), (Start: 85 @1621 has 5 MA's), (100, 1669), (107, 1675), (133, 1738), (148, 1792), (179, 1870), (185, 1882), (187, 1885),

Gene: Schatzie_68 Start: 49861, Stop: 49445, Start Num: 83
Candidate Starts for Schatzie_68:
(Start: 83 @49861 has 143 MA's), (Start: 85 @49849 has 5 MA's), (117, 49765), (125, 49747), (148, 49669), (153, 49639), (171, 49600), (172, 49597),

Gene: ScottMcG_15 Start: 5206, Stop: 5562, Start Num: 79
Candidate Starts for ScottMcG_15:
(Start: 79 @5206 has 234 MA's), (Start: 85 @5221 has 5 MA's), (148, 5341), (233, 5512), (238, 5533),

Gene: ScottMcG_5 Start: 1605, Stop: 1997, Start Num: 83
Candidate Starts for ScottMcG_5:
(Start: 83 @1605 has 143 MA's), (Start: 85 @1617 has 5 MA's), (100, 1665), (107, 1671), (133, 1734), (148, 1788), (179, 1866), (185, 1878), (187, 1881),

Gene: Sebata_7 Start: 2992, Stop: 3348, Start Num: 93
Candidate Starts for Sebata_7:
(74, 2941), (Start: 93 @2992 has 17 MA's), (98, 3004), (111, 3031), (129, 3076), (148, 3139), (179, 3217), (185, 3229), (187, 3232),

Gene: Shaboozey_67 Start: 45344, Stop: 44943, Start Num: 83
Candidate Starts for Shaboozey_67:
(Start: 83 @45344 has 143 MA's), (Start: 85 @45332 has 5 MA's), (116, 45248), (123, 45230), (148, 45152), (179, 45074), (185, 45062), (187, 45059), (238, 44966),

Gene: Shaboozey_75 Start: 47658, Stop: 47296, Start Num: 83

Candidate Starts for Shaboozey_75:
(Start: 83 @47658 has 143 MA's), (Start: 85 @47646 has 5 MA's), (148, 47526), (179, 47442), (182, 47436), (184, 47433), (231, 47349),

Gene: Shaqnato_6 Start: 1766, Stop: 2206, Start Num: 83
Candidate Starts for Shaqnato_6:
(Start: 83 @1766 has 143 MA's), (Start: 85 @1778 has 5 MA's), (124, 1898), (148, 1988), (159, 2030), (219, 2126), (229, 2150),

Gene: Shauna1_78 Start: 48515, Stop: 48883, Start Num: 79
Candidate Starts for Shauna1_78:
(Start: 79 @48515 has 234 MA's), (Start: 85 @48530 has 5 MA's), (148, 48650), (171, 48719), (184, 48740), (218, 48800), (238, 48857),

Gene: Shelob_17 Start: 6224, Stop: 6574, Start Num: 79
Candidate Starts for Shelob_17:
(Start: 79 @6224 has 234 MA's), (Start: 85 @6239 has 5 MA's), (148, 6359), (179, 6437), (185, 6449), (187, 6452), (238, 6545),

Gene: ShiaLabeouf_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for ShiaLabeouf_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Shifa_10 Start: 4323, Stop: 4688, Start Num: 79
Candidate Starts for Shifa_10:
(Start: 79 @4323 has 234 MA's), (Start: 85 @4338 has 5 MA's), (148, 4473), (179, 4551), (185, 4563), (187, 4566), (238, 4659),

Gene: Shnickers_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Shnickers_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Shrimp_14 Start: 5054, Stop: 5404, Start Num: 79
Candidate Starts for Shrimp_14:
(Start: 79 @5054 has 234 MA's), (Start: 85 @5069 has 5 MA's), (148, 5189), (179, 5267), (185, 5279), (187, 5282), (238, 5375),

Gene: ShroomBoi_80 Start: 48740, Stop: 49138, Start Num: 79
Candidate Starts for ShroomBoi_80:
(Start: 79 @48740 has 234 MA's), (Start: 85 @48755 has 5 MA's), (148, 48911), (177, 48998), (179, 49004), (192, 49028),

Gene: SiSi_75 Start: 47345, Stop: 47695, Start Num: 79
Candidate Starts for SiSi_75:
(Start: 79 @47345 has 234 MA's), (Start: 85 @47360 has 5 MA's), (148, 47480),

Gene: SilverDipper_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for SilverDipper_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Simpliphy_43 Start: 34882, Stop: 34496, Start Num: 83
Candidate Starts for Simpliphy_43:
(Start: 83 @34882 has 143 MA's), (Start: 85 @34870 has 5 MA's), (148, 34750), (174, 34678), (183, 34654), (221, 34582), (240, 34519),

Gene: SimranZ1_79 Start: 47570, Stop: 47956, Start Num: 80
Candidate Starts for SimranZ1_79:
(Start: 80 @47570 has 7 MA's), (Start: 85 @47585 has 5 MA's), (109, 47645), (143, 47717), (148, 47750), (197, 47852), (209, 47873), (227, 47897),

Gene: SirDuracell_42 Start: 34192, Stop: 33677, Start Num: 45
Candidate Starts for SirDuracell_42:
(Start: 45 @34192 has 1 MA's), (Start: 77 @34120 has 1 MA's), (84, 34108), (136, 33952), (148, 33892), (235, 33721), (239, 33700),

Gene: SkiPole_69 Start: 42424, Stop: 42029, Start Num: 83
Candidate Starts for SkiPole_69:
(8, 42634), (12, 42625), (53, 42481), (54, 42478), (Start: 83 @42424 has 143 MA's), (148, 42256), (156, 42223), (166, 42202), (204, 42136), (238, 42052),

Gene: SmallFry_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for SmallFry_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Smooch_23 Start: 10621, Stop: 10995, Start Num: 72
Candidate Starts for Smooch_23:
(39, 10534), (58, 10591), (Start: 72 @10621 has 2 MA's), (Start: 83 @10633 has 143 MA's), (Start: 85 @10645 has 5 MA's), (148, 10765), (179, 10849), (182, 10855), (184, 10858), (231, 10942),

Gene: Soul22_81 Start: 46673, Stop: 47050, Start Num: 79
Candidate Starts for Soul22_81:
(Start: 79 @46673 has 234 MA's), (Start: 85 @46688 has 5 MA's), (148, 46808), (177, 46895), (179, 46901), (192, 46925), (226, 46988), (238, 47027),

Gene: Spec_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Spec_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Specks_8 Start: 2464, Stop: 2820, Start Num: 93
Candidate Starts for Specks_8:
(Start: 93 @2464 has 17 MA's), (98, 2476), (111, 2503), (129, 2548), (148, 2611), (179, 2689), (185, 2701), (187, 2704),

Gene: Sprinklers_13 Start: 4140, Stop: 4490, Start Num: 79
Candidate Starts for Sprinklers_13:
(Start: 79 @4140 has 234 MA's), (Start: 85 @4155 has 5 MA's), (148, 4275), (179, 4353), (185, 4365), (187, 4368), (238, 4461),

Gene: Sprinklers_6 Start: 1749, Stop: 2189, Start Num: 83
Candidate Starts for Sprinklers_6:

(Start: 83 @1749 has 143 MA's), (Start: 85 @1761 has 5 MA's), (124, 1881), (148, 1971), (159, 2013), (219, 2109), (229, 2133),

Gene: Spud_6 Start: 1759, Stop: 2151, Start Num: 83
Candidate Starts for Spud_6:
(Start: 83 @1759 has 143 MA's), (Start: 85 @1771 has 5 MA's), (100, 1819), (107, 1825), (133, 1888), (148, 1942), (179, 2020), (185, 2032), (187, 2035),

Gene: Squint_74 Start: 47498, Stop: 47082, Start Num: 83
Candidate Starts for Squint_74:
(Start: 83 @47498 has 143 MA's), (Start: 85 @47486 has 5 MA's), (117, 47402), (125, 47384), (148, 47306), (153, 47276), (171, 47237), (172, 47234),

Gene: Squint_80 Start: 49357, Stop: 48959, Start Num: 83
Candidate Starts for Squint_80:
(Start: 83 @49357 has 143 MA's), (Start: 85 @49345 has 5 MA's), (148, 49189), (179, 49105), (182, 49099), (184, 49096), (231, 49012),

Gene: SrishMeg2525_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for SrishMeg2525_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: StAnnes_81 Start: 49578, Stop: 49967, Start Num: 79
Candidate Starts for StAnnes_81:
(Start: 79 @49578 has 234 MA's), (Start: 85 @49593 has 5 MA's), (148, 49713), (174, 49785), (183, 49809), (221, 49881), (240, 49944),

Gene: StephanieG_7 Start: 2140, Stop: 2496, Start Num: 93
Candidate Starts for StephanieG_7:
(Start: 93 @2140 has 17 MA's), (98, 2152), (111, 2179), (129, 2224), (148, 2287), (179, 2365), (185, 2377), (187, 2380),

Gene: Stubby_14 Start: 5456, Stop: 5821, Start Num: 79
Candidate Starts for Stubby_14:
(Start: 79 @5456 has 234 MA's), (Start: 85 @5471 has 5 MA's), (148, 5606), (179, 5684), (185, 5696), (187, 5699), (238, 5792),

Gene: StubbySaigey_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for StubbySaigey_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Substance289_12 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Substance289_12:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Sunshine924_66 Start: 41648, Stop: 41211, Start Num: 83
Candidate Starts for Sunshine924_66:
(10, 41849), (53, 41705), (54, 41702), (Start: 83 @41648 has 143 MA's), (Start: 85 @41636 has 5 MA's), (136, 41486), (148, 41426), (235, 41255),

Gene: SuperGrey_79 Start: 50245, Stop: 50601, Start Num: 79
Candidate Starts for SuperGrey_79:
(Start: 79 @50245 has 234 MA's), (Start: 85 @50260 has 5 MA's), (148, 50395), (236, 50572),

Gene: Superphikiman_77 Start: 48448, Stop: 48050, Start Num: 83
Candidate Starts for Superphikiman_77:
(Start: 83 @48448 has 143 MA's), (Start: 85 @48436 has 5 MA's), (148, 48280), (179, 48196), (182, 48190), (184, 48187), (231, 48103),

Gene: Superphikiman_71 Start: 46589, Stop: 46173, Start Num: 83
Candidate Starts for Superphikiman_71:
(Start: 83 @46589 has 143 MA's), (Start: 85 @46577 has 5 MA's), (117, 46493), (125, 46475), (148, 46397), (153, 46367), (171, 46328), (172, 46325),

Gene: SwagPigglett_82 Start: 50360, Stop: 50785, Start Num: 79
Candidate Starts for SwagPigglett_82:
(Start: 79 @50360 has 234 MA's), (Start: 85 @50375 has 5 MA's), (148, 50555), (179, 50639), (182, 50645), (184, 50648), (231, 50732),

Gene: Taj_85 Start: 49957, Stop: 50334, Start Num: 79
Candidate Starts for Taj_85:
(Start: 79 @49957 has 234 MA's), (Start: 85 @49972 has 5 MA's), (120, 50050), (148, 50107), (179, 50191), (182, 50197), (184, 50200), (231, 50284),

Gene: Target_63 Start: 40851, Stop: 40456, Start Num: 83
Candidate Starts for Target_63:
(12, 41052), (53, 40908), (54, 40905), (Start: 83 @40851 has 143 MA's), (Start: 85 @40839 has 5 MA's), (148, 40683), (156, 40650), (166, 40629), (204, 40563), (238, 40479),

Gene: Tchotchke_75 Start: 46858, Stop: 47286, Start Num: 81
Candidate Starts for Tchotchke_75:
(Start: 81 @46858 has 15 MA's), (Start: 85 @46873 has 5 MA's), (99, 46927), (136, 47020), (148, 47080), (238, 47257),

Gene: Teardrop_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Teardrop_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Teodoridan_77 Start: 45969, Stop: 45598, Start Num: 83
Candidate Starts for Teodoridan_77:
(Start: 83 @45969 has 143 MA's), (Start: 85 @45957 has 5 MA's), (105, 45921), (121, 45879), (136, 45855), (148, 45813), (185, 45723), (187, 45720), (225, 45657), (240, 45621),

Gene: Terminus_44 Start: 36046, Stop: 35612, Start Num: 83
Candidate Starts for Terminus_44:
(51, 36118), (Start: 83 @36046 has 143 MA's), (Start: 85 @36034 has 5 MA's), (136, 35884), (148, 35824),

Gene: TheloniousMonk_64 Start: 43165, Stop: 42755, Start Num: 79
Candidate Starts for TheloniousMonk_64:
(53, 43222), (54, 43219), (Start: 79 @43165 has 234 MA's), (101, 43108), (117, 43069), (148, 42973),

Gene: Thor_60 Start: 40259, Stop: 39846, Start Num: 83
Candidate Starts for Thor_60:
(12, 40460), (53, 40316), (54, 40313), (Start: 83 @40259 has 143 MA's), (91, 40220), (128, 40175), (148, 40112), (174, 40034), (183, 40010), (221, 39938),

Gene: ThreeRngTarjay_71 Start: 51145, Stop: 50735, Start Num: 83
Candidate Starts for ThreeRngTarjay_71:
(Start: 83 @51145 has 143 MA's), (Start: 85 @51133 has 5 MA's), (117, 51049), (125, 51031), (148, 50953), (153, 50923), (183, 50866),

Gene: TinyTim_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for TinyTim_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Tonenili_20 Start: 6077, Stop: 6418, Start Num: 79
Candidate Starts for Tonenili_20:
(Start: 79 @6077 has 234 MA's), (Start: 83 @6080 has 143 MA's), (Start: 85 @6092 has 5 MA's), (91, 6119), (95, 6128), (119, 6170), (133, 6194), (148, 6236), (168, 6287), (201, 6329),

Gene: Tootsieroll_77 Start: 49368, Stop: 49754, Start Num: 79
Candidate Starts for Tootsieroll_77:
(Start: 79 @49368 has 234 MA's), (Start: 85 @49383 has 5 MA's), (148, 49518), (168, 49584), (185, 49617), (189, 49623), (210, 49659), (217, 49668), (241, 49734),

Gene: Tortoise16_12 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Tortoise16_12:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Trinitium_13 Start: 3966, Stop: 4331, Start Num: 79
Candidate Starts for Trinitium_13:
(Start: 79 @3966 has 234 MA's), (Start: 85 @3981 has 5 MA's), (148, 4116), (179, 4194), (185, 4206), (187, 4209), (238, 4302),

Gene: Tripl3t_83 Start: 50856, Stop: 50458, Start Num: 83
Candidate Starts for Tripl3t_83:
(Start: 83 @50856 has 143 MA's), (148, 50664), (173, 50613), (184, 50589), (202, 50562), (238, 50481),

Gene: Turret_13 Start: 3949, Stop: 4314, Start Num: 79
Candidate Starts for Turret_13:
(Start: 79 @3949 has 234 MA's), (Start: 85 @3964 has 5 MA's), (148, 4099), (179, 4177), (185, 4189), (187, 4192), (238, 4285),

Gene: Tweety_79 Start: 48958, Stop: 49341, Start Num: 79
Candidate Starts for Tweety_79:
(Start: 79 @48958 has 234 MA's), (Start: 85 @48973 has 5 MA's), (148, 49093), (177, 49180), (179, 49186), (192, 49210), (238, 49312),

Gene: Tyke_8 Start: 2464, Stop: 2820, Start Num: 93
Candidate Starts for Tyke_8:

(Start: 93 @2464 has 17 MA's), (98, 2476), (111, 2503), (129, 2548), (148, 2611), (179, 2689), (185, 2701), (187, 2704),

Gene: Ukulele_42 Start: 35251, Stop: 34865, Start Num: 67
Candidate Starts for Ukulele_42:
(6, 35455), (29, 35371), (Start: 67 @35251 has 2 MA's), (Start: 83 @35227 has 143 MA's), (Start: 85 @35215 has 5 MA's), (148, 35095), (162, 35041), (168, 35032), (196, 34984), (200, 34978), (220, 34942), (226, 34924), (238, 34888),

Gene: UncleRicky_76 Start: 46818, Stop: 47246, Start Num: 81
Candidate Starts for UncleRicky_76:
(Start: 81 @46818 has 15 MA's), (Start: 85 @46833 has 5 MA's), (99, 46887), (136, 46980), (148, 47040), (238, 47217),

Gene: ValleyTerrace_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for ValleyTerrace_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Velveteen_73 Start: 44943, Stop: 45320, Start Num: 79
Candidate Starts for Velveteen_73:
(Start: 79 @44943 has 234 MA's), (Start: 85 @44958 has 5 MA's), (148, 45114), (161, 45156), (203, 45222), (205, 45225), (237, 45294),

Gene: Veteran_71 Start: 47213, Stop: 47563, Start Num: 79
Candidate Starts for Veteran_71:
(Start: 79 @47213 has 234 MA's), (Start: 85 @47228 has 5 MA's), (148, 47348),

Gene: Vortrix_21 Start: 6392, Stop: 6700, Start Num: 91
Candidate Starts for Vortrix_21:
(Start: 79 @6350 has 234 MA's), (Start: 85 @6365 has 5 MA's), (91, 6392), (95, 6401), (119, 6443), (133, 6467), (148, 6509), (168, 6560), (201, 6602), (238, 6677),

Gene: Wachhund_78 Start: 45999, Stop: 46379, Start Num: 79
Candidate Starts for Wachhund_78:
(Start: 79 @45999 has 234 MA's), (Start: 85 @46014 has 5 MA's), (148, 46149), (163, 46203), (169, 46212), (194, 46260), (205, 46278), (217, 46302), (225, 46320),

Gene: Wally_13 Start: 3970, Stop: 4335, Start Num: 79
Candidate Starts for Wally_13:
(Start: 79 @3970 has 234 MA's), (Start: 85 @3985 has 5 MA's), (148, 4120), (179, 4198), (185, 4210), (187, 4213), (238, 4306),

Gene: Wanda_82 Start: 51659, Stop: 51234, Start Num: 83
Candidate Starts for Wanda_82:
(Start: 83 @51659 has 143 MA's), (Start: 85 @51647 has 5 MA's), (99, 51593), (136, 51500), (148, 51440), (238, 51263),

Gene: Wee_84 Start: 50033, Stop: 50410, Start Num: 79
Candidate Starts for Wee_84:
(Start: 79 @50033 has 234 MA's), (Start: 85 @50048 has 5 MA's), (120, 50126), (148, 50183), (179, 50267), (182, 50273), (184, 50276), (231, 50360),

Gene: Whatsapiecost_73 Start: 43853, Stop: 44332, Start Num: 79
Candidate Starts for Whatsapiecost_73:
(Start: 79 @43853 has 234 MA's), (Start: 85 @43868 has 5 MA's), (136, 44018), (139, 44021), (148, 44078), (174, 44150), (183, 44174), (221, 44246), (240, 44309),

Gene: Whouxphf_84 Start: 50087, Stop: 50422, Start Num: 83
Candidate Starts for Whouxphf_84:
(1, 49742), (2, 49760), (3, 49793), (4, 49826), (19, 49913), (22, 49922), (26, 49934), (31, 49946), (33, 49955), (Start: 36 @49964 has 1 MA's), (64, 50057), (69, 50066), (Start: 83 @50087 has 143 MA's), (115, 50186), (126, 50219), (146, 50261), (186, 50327),

Gene: WillSterrel_78 Start: 48814, Stop: 49227, Start Num: 79
Candidate Starts for WillSterrel_78:
(Start: 79 @48814 has 234 MA's), (Start: 85 @48829 has 5 MA's), (148, 48985), (177, 49072), (179, 49078), (192, 49102), (226, 49165), (238, 49204),

Gene: Willis_14 Start: 4975, Stop: 5340, Start Num: 79
Candidate Starts for Willis_14:
(Start: 79 @4975 has 234 MA's), (Start: 85 @4990 has 5 MA's), (148, 5125), (179, 5203), (185, 5215), (187, 5218), (238, 5311),

Gene: XFactor_74 Start: 47423, Stop: 47782, Start Num: 79
Candidate Starts for XFactor_74:
(Start: 79 @47423 has 234 MA's), (Start: 85 @47438 has 5 MA's), (148, 47558), (164, 47600), (220, 47696), (238, 47753),

Gene: Yassified_6 Start: 1770, Stop: 2210, Start Num: 83
Candidate Starts for Yassified_6:
(Start: 83 @1770 has 143 MA's), (Start: 85 @1782 has 5 MA's), (124, 1902), (148, 1992), (159, 2034), (219, 2130), (229, 2154),

Gene: Yassified_13 Start: 4163, Stop: 4537, Start Num: 79
Candidate Starts for Yassified_13:
(Start: 79 @4163 has 234 MA's), (Start: 85 @4178 has 5 MA's), (87, 4187), (105, 4214), (121, 4256), (136, 4280), (148, 4322), (185, 4412), (187, 4415), (238, 4508),

Gene: YemiJoy2021_14 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for YemiJoy2021_14:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Yoshi_94 Start: 49980, Stop: 50474, Start Num: 36
Candidate Starts for Yoshi_94:
(Start: 36 @49980 has 1 MA's), (64, 50073), (69, 50082), (Start: 83 @50103 has 143 MA's), (148, 50268), (177, 50331), (179, 50337), (190, 50358), (214, 50397),

Gene: YoungMoneyMata_13 Start: 3968, Stop: 4333, Start Num: 79
Candidate Starts for YoungMoneyMata_13:
(Start: 79 @3968 has 234 MA's), (Start: 85 @3983 has 5 MA's), (148, 4118), (179, 4196), (185, 4208), (187, 4211), (238, 4304),

Gene: Yucca_13 Start: 4972, Stop: 5322, Start Num: 79
Candidate Starts for Yucca_13:

(Start: 79 @4972 has 234 MA's), (Start: 85 @4987 has 5 MA's), (148, 5107), (179, 5185), (185, 5197), (187, 5200), (238, 5293),

Gene: Zakhe101_23 Start: 10681, Stop: 11073, Start Num: 83
Candidate Starts for Zakhe101_23:
(Start: 83 @10681 has 143 MA's), (148, 10813), (168, 10897), (195, 10951), (208, 10975), (215, 10987), (218, 10993), (230, 11017), (234, 11032), (238, 11050),

Gene: Zalkecks_15 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for Zalkecks_15:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: Zapner_87 Start: 47003, Stop: 47359, Start Num: 79
Candidate Starts for Zapner_87:
(Start: 79 @47003 has 234 MA's), (Start: 85 @47018 has 5 MA's), (148, 47138), (233, 47309), (238, 47330),

Gene: Zeeculate_77 Start: 48542, Stop: 48138, Start Num: 83
Candidate Starts for Zeeculate_77:
(Start: 83 @48542 has 143 MA's), (Start: 85 @48530 has 5 MA's), (103, 48467), (132, 48410), (148, 48368), (179, 48284), (182, 48278), (184, 48275), (231, 48191),

Gene: Zeenon_16 Start: 5051, Stop: 5401, Start Num: 79
Candidate Starts for Zeenon_16:
(Start: 79 @5051 has 234 MA's), (Start: 85 @5066 has 5 MA's), (148, 5186), (179, 5264), (185, 5276), (187, 5279), (238, 5372),

Gene: Zelink_71 Start: 51457, Stop: 51044, Start Num: 83
Candidate Starts for Zelink_71:
(Start: 83 @51457 has 143 MA's), (Start: 85 @51445 has 5 MA's), (117, 51361), (125, 51343), (148, 51265), (153, 51235), (171, 51196), (172, 51193),

Gene: Zeuska_66 Start: 43778, Stop: 43305, Start Num: 83
Candidate Starts for Zeuska_66:
(11, 43979), (53, 43835), (54, 43832), (Start: 83 @43778 has 143 MA's), (Start: 85 @43766 has 5 MA's), (131, 43616), (133, 43613), (148, 43556), (166, 43493), (232, 43358), (239, 43325),

Gene: ZygoTaiga_15 Start: 5050, Stop: 5400, Start Num: 79
Candidate Starts for ZygoTaiga_15:
(Start: 79 @5050 has 234 MA's), (Start: 85 @5065 has 5 MA's), (148, 5185), (179, 5263), (185, 5275), (187, 5278), (238, 5371),

Gene: xkcd_46 Start: 36166, Stop: 35732, Start Num: 83
Candidate Starts for xkcd_46:
(51, 36238), (Start: 83 @36166 has 143 MA's), (Start: 85 @36154 has 5 MA's), (136, 36004), (148, 35944),