

Pham 304619



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 304619 Report

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

Pham number 304619 has 418 members, 32 are drafts.

Phages represented in each track:

- Track 1 : Fascinus_60, Paraselene_66, Carlyle_66, CactusRose_66, Maroc7_64, Blue_65, Makemake_71, Raid_64, Graduation_70, Bigfoot_58
- Track 2 : Mule_62, Smairt_67, Aeneas_68, PhrostyMug_65, Sunshine924_70, BaconJack_70
- Track 3 : Jorgensen_69
- Track 4 : Dreamboat_67, PherrisBueller_66, Jasper_66
- Track 5 : Marsha_65
- Track 6 : Bethlehem_66
- Track 7 : HighStump_55, Kahve_53, Orwigg_53, Childish_53, Soile_54, Nicole21_54, DaddyDaniels_55, Iridessa_54, Craff_56, Legolas_55, Longacauda_54, Brilliant_55, HenryJackson_53
- Track 8 : Fozzie_52, CamL_53, Mosaic_52, Sophia_52, Serendipity_53, TallGrassMM_53, Surely_53, Chorkpop_53, Squid_53, Daffy_53, MrPhizzler_55, Morgushi_53, Solosis_52, Timmi_52, MitKao_53, Maru_53, Rimu_54, Lasso_53, Potter_52, Samaymay_53, QueenBeane_53, Mana_52, LeeLot_53, Oosterbaan_53, Hertubise_53, Zelda_53, Cannibal_53, Kwadwo_52, Thora_53, Haleema_52, TomBombadil_53, SassyCat97_52, Vortex_53, Puhltonio_53, Xavier_52, Held_53, Cosmolli16_54, Banjo_52
- Track 9 : Grand2040_53, LeiMonet_55, Lumine_54, Mesh1_54, Giraffe_54
- Track 10 : Fringe_57
- Track 11 : Abinghost_51, Neos5_51, SynergyX_51, Baloo_51, Audrey_51, Nozo_51, Daisy_51, Athena_52, GlenHope_52, ChaChing_51, Philly_50, Glubnar_52, Halfpint_50, OrangeOswald_51, Corofin_51, Akoma_51, Kamiyu_51, Phlyer_51, Chandler_51
- Track 12 : Phayeta_53, SwainyDoc_52, Chentzyk_52, Kronus_51, Gervas_52, Mortcellus_51, Ben11_51, Casbah_51, TinyTerror_52, Rita1961_52, MmasiCarm_52, Obutu_52
- Track 13 : Sebata_6, LinStu_6
- Track 14 : InterFolia_6, Tainan_6, PharkleMinkus_6, Pupusa_6
- Track 15 : LordLeafolot_6, FrayBell_6
- Track 16 : LolaVinca_6
- Track 17 : DTDevon_6, Pier_6, Tyke_6, Specks_6, Dandelion_5, Nappy_5, Drazdys_6
- Track 18 : Tonenili_49
- Track 19 : NuevoMundo_6
- Track 20 : Vortrix_51
- Track 21 : Vortrix_52

- Track 22 : Tonenili_50
- Track 23 : JigglyPuff_5
- Track 24 : JayJay_6
- Track 25 : StephanieG_6
- Track 26 : Trine_55
- Track 27 : WilliamBoone_96
- Track 28 : MissRona_77, Blueberry_76, Azula_77, Gambino_79
- Track 29 : William_80
- Track 30 : Lton_54
- Track 31 : Pepperoni_52
- Track 32 : Beenie_54
- Track 33 : Clark_59, Invectra_62, Rizz_60, Samman98_60
- Track 34 : DobbysSock_53
- Track 35 : Denise_57
- Track 36 : Faith5x5_53
- Track 37 : Moosehead_58
- Track 38 : SirHarley_86, Gumball_84
- Track 39 : Troll4_84
- Track 40 : Hawkeye_97
- Track 41 : InLimbo_56, Morkie_59, PhorbesPhlower_55
- Track 42 : Lucky10_55
- Track 43 : BearBQ_75
- Track 44 : Ecliptus_80, BENtherdunthat_78, Frickyeah_80, BotCity_80, Asapag_74, Birdsong_73
- Track 45 : Budski_80
- Track 46 : Budski_68
- Track 47 : ODay_82
- Track 48 : LitninMcQueen_77
- Track 49 : Whitney_75
- Track 50 : ShawBrad_81
- Track 51 : Kamaru_71
- Track 52 : Periwinkle_62
- Track 53 : Lutum_77, Kenna_71
- Track 54 : Leroy_74, Holliday_79, OneDirection_52
- Track 55 : Phabuloso_81
- Track 56 : CheeseTouch_80
- Track 57 : Getalong_78
- Track 58 : Spooky_78
- Track 59 : Crater_73, Horus_75, Phistory_72
- Track 60 : Apricot_73
- Track 61 : Kuwabara_76
- Track 62 : Sixama_7
- Track 63 : GMA2_107
- Track 64 : DonkeyMan_58, Tarzan_58
- Track 65 : Heinz_57
- Track 66 : DLane_48, Mova_53, MinionDave_51, VRedHorse_52, XFactor_50, PhesterPhotato_54, Hamulus_53, Ardmore_44, Moonbeam_48, Batiatus_50, Melissauren88_50, Emma_52, Royals2015_55, Phalconet_51, MilleniumForce_52, CaptainTrips_49, Tweety_52, Madiba_50
- Track 67 : Gandalph_55, Polka14_51
- Track 68 : JoeyJr_73, PHappiness_73, Leperchaun_71, Empress_71, Sassafras_74, Doomphist_76, Poenanya_76, Nimbo_65, Geralt_66, Polka14_77, Deb65_66, RitaG_73, Scottish_71, Daenerys_72, Dorothy_74, KingMidas_72,

Inventum_71, RedBird_74, OldBen_70

- Track 69 : Estave1_55, Eish_57, DoRead_54
- Track 70 : MadMen_62
- Track 71 : BuzzLyseyear_44
- Track 72 : Dante_53, Inventum_47, Demsculpinboyz_62, DaWorst_54, DaddyRickover_52, Sassafras_50
- Track 73 : MulchExplorer_66, QuickMath_66, Kimberlium_67
- Track 74 : PMC_49, Boomer_57, Rockne_53
- Track 75 : Mozy_62
- Track 76 : Bipolar_49, SuperGrey_52, ShroomBoi_52, KristaRAM_51, Kenuha5_50
- Track 77 : TDanisky_60, OgoPogo_57, Chuckly_55, Phasih_51, Clank_57, Sparkdehlily_60, Aubs_53
- Track 78 : Maravista_54
- Track 79 : Zerg_52, Che8_55, Firehouse51_53, ArcusAngelus_56, Mwanjiwa_58, Chevrolet_59, RockyHorror_53, Doug_55
- Track 80 : GigiOuiOui_49, OwlsT2W_53, Doomphist_52, Poenanya_52, Cornucopia_55, DotProduct_48
- Track 81 : Bobi_55, Krakatau_50, Jant_56, Okabe_47, Harley_54
- Track 82 : Madiba_63, Minerva_89, Optimus_84, BAKA_91, Mova_66, EricMillard_83, MadMen_50
- Track 83 : Phanphagia_47
- Track 84 : Topiatin_58
- Track 85 : Byougenkin_50
- Track 86 : Donkeykong_53
- Track 87 : Shauna1_47
- Track 88 : PhesterPhotato_75
- Track 89 : Latretium_77
- Track 90 : Job42_55
- Track 91 : Whatsapiecost_53
- Track 92 : Juniper1_50
- Track 93 : Bobi_72
- Track 94 : Enby_53, SG4_49, Lorde_53
- Track 95 : Pollywog_50
- Track 96 : Hegedechwinu_72, SG4_69
- Track 97 : JalFarm20_60
- Track 98 : Spikelee_42
- Track 99 : Yoshi_64
- Track 100 : Yoshi_44
- Track 101 : Renaud18_58, Taj_56, Wee_55, DeadP_58
- Track 102 : Renaud18_70
- Track 103 : Renaud18_71
- Track 104 : Toron_84
- Track 105 : Bagrid_146, ThreeRngTarjay_140, Halley_147, Pound_137, DmpstrDiver_146, Ejimix_138, Optimus_136, BAKA_145, EricMillard_137, Hughesyang_144, Phoebus_145, Constella_139, Duke13_141, Dallas_146, Schatzie_141
- Track 106 : Dallas_89, Hughesyang_90, DmpstrDiver_90, ThreeRngTarjay_87, Kalah2_84, Yeet_83, Zelink_87, Dove_75, Bagrid_89, Phoebus_92, Schatzie_85, Bombitas_78, Beem_90, NihilNomen_91, Halley_91, JuicyJay_87, Odette_88, Constella_75, HokkenD_79
- Track 107 : Marleymoo_128, Bobby_135, Hidrated_131
- Track 108 : Dove_131, NihilNomen_147, HokkenD_138, Yeet_139, Odette_149, Kalah2_136, Redno2_140, JuicyJay_141, Klein_143, Beem_147, KashFlow_144,

Bombitas_133

- Track 109 : Courthouse_78, MiaZeal_83, Ariel_82, Lucky2013_80, Porcelain_82, Squint_83
- Track 110 : Minerva_145, Wanda_145
- Track 111 : Wanda_94, Klein_90
- Track 112 : Xiaokay_141
- Track 113 : MiaZeal_144, Porcelain_141, Lucky2013_137
- Track 114 : Zelink_140
- Track 115 : Thibault_128
- Track 116 : Rando14_64
- Track 117 : VanLee_73
- Track 118 : VanLee_59
- Track 119 : Colossa_75
- Track 120 : Colossa_74
- Track 121 : Douge_118
- Track 122 : YungJamal_99
- Track 123 : Ryadel_103
- Track 124 : MadKillah_103
- Track 125 : Etoile_52, Langerak_53, Chubbello_52, Fishburne_52, FirstPlacePfu_54, Bartholomew_52, Venti_53, Kari_52
- Track 126 : Polkaroo_55
- Track 127 : BigNuz_57
- Track 128 : Nazo_58
- Track 129 : Phayonce_59
- Track 130 : Purky_63
- Track 131 : Purky_64
- Track 132 : Lilbit_7, VasuNzinga_8, Pringar_6, Beelzebub_8, FeliMaine_7, Clarkson_7
- Track 133 : Stellammi_132
- Track 134 : PhaoMing_61
- Track 135 : Gaia_57
- Track 136 : Gudmit_51
- Track 137 : GMA1_52
- Track 138 : GAL1_58

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

The start number called the most often in the published annotations is 86, it was called in 129 of the 386 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Banjo_52, Bartholomew_52, BigNuz_57, Bobi_72, Brilliant_55, Budski_68, CamL_53, Cannibal_53, Childish_53, Chorkpop_53, Chubbello_52, Colossa_75, Cosmolli16_54, Craff_56, DTDevon_6, DaWorst_54, DaddyDaniels_55, DaddyRickover_52, Daenerys_72, Daffy_53, Dandelion_5, Dante_53, Deb65_66, Demsculpinboyz_62, Doomphist_76, Dorothy_74, Douge_118, Drazdys_6, Dreamboat_67, Empress_71, Etoile_52, FirstPlacePfu_54, Fishburne_52, Fozzie_52, FrayBell_6, Fringe_57, Gaia_57, Geralt_66, Giraffe_54, Grand2040_53, Haleema_52, Hawkeye_97, Hegedechwinu_72, Held_53, HenryJackson_53, Hertubise_53, HighStump_55, Inventum_47, Inventum_71, Iridessa_54, Jasper_66,

JoeyJr_73, Kahve_53, Kari_52, Kimberlium_67, KingMidas_72, Kwadwo_52, Langerak_53, Lasso_53, LeeLot_53, Legolas_55, LeiMonet_55, Leperchaun_71, LinStu_6, Longacauda_54, LordLeafolot_6, Lumine_54, Mana_52, Maru_53, Mesh1_54, MitKao_53, Morgushi_53, Mosaic_52, Mozy_62, MrPhizzler_55, MulchExplorer_66, Nappy_5, Nazo_58, Nicole21_54, Nimbo_65, OldBen_70, Oosterbaan_53, Orwigg_53, PHappiness_73, PherrisBueller_66, PhesterPhotato_75, Pier_6, Poenanya_76, Polka14_77, Polkaroo_55, Pollywog_50, Potter_52, Puhltonio_53, Purky_63, Purky_64, QueenBeane_53, QuickMath_66, RedBird_74, Renaud18_70, Rimu_54, RitaG_73, SG4_69, Samaymay_53, Sassafras_50, Sassafras_74, SassyCat97_52, Scottish_71, Sebata_6, Serendipity_53, Soile_54, Solosis_52, Sophia_52, Specks_6, Squid_53, Stellammi_132, Surely_53, TallGrassMM_53, Thora_53, Timmi_52, TomBombadil_53, Tonenili_49, Tonenili_50, Toron_84, Trine_55, Tyke_6, VanLee_59, VanLee_73, Venti_53, Vortex_53, Vortrix_51, Vortrix_52, WilliamBoone_96, William_80, Xavier_52, Zelda_53,

Genes that have the "Most Annotated" start but do not call it:

- Byougenkin_50, InterFolia_6, JayJay_6, JigglyPuff_5, LolaVinca_6, NuevoMundo_6, PharkleMinkus_6, Pupusa_6, StephanieG_6, Tainan_6,

Genes that do not have the "Most Annotated" start:

- Abinghost_51, Aeneas_68, Akoma_51, Apricot_73, ArcusAngelus_56, Ardmore_44, Ariel_82, Asapag_74, Athena_52, Aubs_53, Audrey_51, Azula_77, BAKA_145, BAKA_91, BENtherdunthat_78, BaconJack_70, Bagrid_146, Bagrid_89, Baloo_51, Batiatus_50, BearBQ_75, Beelzebub_8, Beem_147, Beem_90, Beenie_54, Ben11_51, Bethlehem_66, Bigfoot_58, Bipolar_49, Birdsong_73, Blue_65, Blueberry_76, Bobby_135, Bobi_55, Bombitas_133, Bombitas_78, Boomer_57, BotCity_80, Budski_80, BuzzLyseyear_44, CactusRose_66, CaptainTrips_49, Carlyle_66, Casbah_51, ChaChing_51, Chandler_51, Che8_55, CheeseTouch_80, Chentzyk_52, Chevrolet_59, Chuckly_55, Clank_57, Clark_59, Clarkson_7, Colossa_74, Constella_139, Constella_75, Cornucopia_55, Corofin_51, Courthouse_78, Crater_73, DLane_48, Daisy_51, Dallas_146, Dallas_89, DeadP_58, Denise_57, DmpstrDiver_146, DmpstrDiver_90, DoRead_54, DobbysSock_53, DonkeyMan_58, Donkeykong_53, Doomphist_52, DotProduct_48, Doug_55, Dove_131, Dove_75, Duke13_141, Ecliptus_80, Eish_57, Ejimix_138, Emma_52, Enby_53, EricMillard_137, EricMillard_83, Estave1_55, Faith5x5_53, Fascinus_60, FeliMaine_7, Firehouse51_53, Frickyeah_80, GAL1_58, GMA1_52, GMA2_107, Gambino_79, Gandolph_55, Gervas_52, Getalong_78, GigiOuiOui_49, GlenHope_52, Glubnar_52, Graduation_70, Gudmit_51, Gumball_84, Halfpint_50, Halley_147, Halley_91, Hamulus_53, Harley_54, Heinz_57, Hidrated_131, HokkenD_138, HokkenD_79, Holliday_79, Horus_75, Hughesyang_144, Hughesyang_90, InLimbo_56, Invectra_62, JalFarm20_60, Jant_56, Job42_55, Jorgensen_69, JuicyJay_141, JuicyJay_87, Juniper1_50, Kalah2_136, Kalah2_84, Kamaru_71, Kamiyu_51, KashFlow_144, Kenna_71, Kenuha5_50, Klein_143, Klein_90, Krakatau_50, KristaRAM_51, Kronus_51, Kuwabara_76, Latretium_77, Leroy_74, Lilbit_7, LitninMcQueen_77, Lorde_53, Lton_54, Lucky10_55, Lucky2013_137, Lucky2013_80, Lutum_77, MadKillah_103, MadMen_50, MadMen_62, Madiba_50, Madiba_63, Makemake_71, Maravista_54, Marleymoo_128, Maroc7_64, Marsha_65, Melissauren88_50, MiaZeal_144, MiaZeal_83, MilleniumForce_52, Minerva_145, Minerva_89, MinionDave_51, MissRona_77, MmasiCarm_52, Moonbeam_48, Moosehead_58, Morkie_59, Mortcellus_51, Mova_53, Mova_66, Mule_62, Mwanjiwa_58, Neos5_51, NihilNomen_147, NihilNomen_91, Nozo_51, ODay_82, Obutu_52, Odette_149, Odette_88, Ogopogo_57, Okabe_47, OneDirection_52, Optimus_136, Optimus_84,

OrangeOswald_51, OwlsT2W_53, PMC_49, Paraselene_66, Pepperoni_52, Periwinkle_62, Phabuloso_81, Phalconet_51, Phanphagia_47, PhaoMing_61, Phasih_51, Phayeta_53, Phayonce_59, PhesterPotato_54, Philly_50, Phistory_72, Phlyer_51, Phoebus_145, Phoebus_92, PhorbesPhlower_55, PhrostyMug_65, Poenanya_52, Polka14_51, Porcelain_141, Porcelain_82, Pound_137, Pringar_6, Raid_64, Rando14_64, Redno2_140, Renaud18_58, Renaud18_71, Rita1961_52, Rizz_60, Rockne_53, RockyHorror_53, Royals2015_55, Ryadel_103, SG4_49, Samman98_60, Schatzie_141, Schatzie_85, Shauna1_47, ShawBrad_81, ShroomBoi_52, SirHarley_86, Sixama_7, Smairt_67, Sparkdehlily_60, Spikelee_42, Spooky_78, Squint_83, Sunshine924_70, SuperGrey_52, SwainyDoc_52, SynergyX_51, TDanisky_60, Taj_56, Tarzan_58, Thibault_128, ThreeRngTarjay_140, ThreeRngTarjay_87, TinyTerror_52, Topiatin_58, Troll4_84, Tweety_52, VRedHorse_52, VasuNzinga_8, Wanda_145, Wanda_94, Wee_55, Whatsapiecost_53, Whitney_75, XFactor_50, Xiaokay_141, Yeet_139, Yeet_83, Yoshi_44, Yoshi_64, YungJamal_99, Zelink_140, Zelink_87, Zerg_52,

Summary by start number:

Start 53:

- Found in 4 of 418 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Denise_57 (CZ5),

Start 67:

- Found in 55 of 418 (13.2%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 1.8% of time when present
- Phage (with cluster) where this start called: Byougenkin_50 (F1),

Start 70:

- Found in 2 of 418 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Spikelee_42 (F1),

Start 74:

- Found in 7 of 418 (1.7%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: PhaoMing_61 (UNK),

Start 76:

- Found in 34 of 418 (8.1%) of genes in pham
- Manual Annotations of this start: 5 of 386
- Called 14.7% of time when present
- Phage (with cluster) where this start called: Apricot_73 (DN3), CheeseTouch_80 (DN1), Crater_73 (DN3), Horus_75 (DN1), Phistory_72 (DN1),

Start 78:

- Found in 10 of 418 (2.4%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 10.0% of time when present

- Phage (with cluster) where this start called: Sixama_7 (DS),

Start 80:

- Found in 21 of 418 (5.0%) of genes in pham
- Manual Annotations of this start: 4 of 386
- Called 19.0% of time when present
- Phage (with cluster) where this start called: JayJay_6 (C1), Jorgensen_69 (A1), LolaVinca_6 (C1), NuevoMundo_6 (C1),

Start 81:

- Found in 11 of 418 (2.6%) of genes in pham
- Manual Annotations of this start: 4 of 386
- Called 36.4% of time when present
- Phage (with cluster) where this start called: DonkeyMan_58 (DY), Heinz_57 (DY), Rando14_64 (K5), Tarzan_58 (DY),

Start 82:

- Found in 67 of 418 (16.0%) of genes in pham
- Manual Annotations of this start: 22 of 386
- Called 38.8% of time when present
- Phage (with cluster) where this start called: Asapag_74 (DN1), BENtherdunthat_78 (DN1), BearBQ_75 (DN), Birdsong_73 (DN), BotCity_80 (DN), Budski_80 (DN), Ecliptus_80 (DN), Frickyeah_80 (DN1), GMA1_52 (singleton), GMA2_107 (DS), Getalong_78 (DN1), Holliday_79 (DN1), Kamaru_71 (DN1), Kenna_71 (DN1), Kuwabara_76 (DN4), Leroy_74 (DN1), LitninMcQueen_77 (DN1), Lton_54 (CZ), Lucky10_55 (DH), Lutum_77 (DN1), ODay_82 (DN), OneDirection_52 (CZ6), Pepperoni_52 (CZ), Phabuloso_81 (DN1), ShawBrad_81 (DN1), Whitney_75 (DN1),

Start 83:

- Found in 89 of 418 (21.3%) of genes in pham
- Manual Annotations of this start: 86 of 386
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abingghost_51 (B3), Akoma_51 (B3), Ariel_82 (J), Athena_52 (B3), Audrey_51 (B3), BAKA_91 (J), Bagrid_89 (J), Baloo_51 (B3), Beelzebub_8 (S), Beem_90 (J), Ben11_51 (B3), Bigfoot_58 (A1), Blue_65 (A1), Bombitas_78 (J), CactusRose_66 (A1), Carlyle_66 (A1), Casbah_51 (B3), ChaChing_51 (B3), Chandler_51 (B3), Chentzyk_52 (B3), Clarkson_7 (S), Constella_75 (J), Corofin_51 (B3), Courthouse_78 (J), Daisy_51 (B3), Dallas_89 (J), DmpstrDiver_90 (J), DoRead_54 (F1), Donkeykong_53 (F1), Dove_75 (J), Eish_57 (F1), EricMillard_83 (J), Estave1_55 (F1), Fascinus_60 (A1), FeliMaine_7 (S), GAL1_58 (singleton), Gervas_52 (B3), GlenHope_52 (B3), Glubnar_52 (B3), Graduation_70 (A1), Halfpint_50 (B3), Halley_91 (J), HokkenD_79 (J), Hughesyang_90 (J), JuicyJay_87 (J), Juniper1_50 (F1), Kalah2_84 (J), Kamiyu_51 (B3), Klein_90 (J), Kronus_51 (B3), Lilbit_7 (S), Lucky2013_80 (J), MadMen_50 (F1), Madiba_63 (F1), Makemake_71 (A1), Maravista_54 (F1), Maroc7_64 (A1), MiaZeal_83 (J), Minerva_89 (J), MmasiCarm_52 (B3), Mortcellus_51 (B3), Mova_66 (F1), Neos5_51 (B3), NihilNomen_91 (J), Nozo_51 (B3), Obutu_52 (B3), Odette_88 (J), Optimus_84 (J), OrangeOswald_51 (B3), Paraselene_66 (A1), Phayeta_53 (B3), Philly_50 (B3), Phlyer_51 (B3), Phoebus_92 (J), Porcelain_82 (J), Pringar_6 (S), Raid_64 (A1), Rita1961_52 (B3), Schatzie_85 (J), Shauna1_47 (F1), Squint_83 (J), SwainyDoc_52 (B3), SynergyX_51 (B3), ThreeRngTarjay_87 (J), TinyTerror_52 (B3), VasuNzinga_8 (S), Wanda_94 (J), Yeet_83 (J), Zelink_87 (J),

Start 84:

- Found in 13 of 418 (3.1%) of genes in pham
- Manual Annotations of this start: 10 of 386
- Called 92.3% of time when present
- Phage (with cluster) where this start called: Beenie_54 (CZ4), Clark_59 (CZ4), DobbysSock_53 (CZ4), Gudmit_51 (singleton), InLimbo_56 (DH), Invectra_62 (CZ4), Moosehead_58 (CZ6), Morkie_59 (DH), PhorbesPhlower_55 (DH), Rizz_60 (CZ4), Samman98_60 (CZ4), Spooky_78 (DN2),

Start 85:

- Found in 80 of 418 (19.1%) of genes in pham
- Manual Annotations of this start: 71 of 386
- Called 93.8% of time when present
- Phage (with cluster) where this start called: Aeneas_68 (A1), ArcusAngelus_56 (F1), Ardmore_44 (F1), Aubs_53 (F1), BaconJack_70 (A1), Batiatus_50 (F1), Bethlehem_66 (A1), Bipolar_49 (F1), Boomer_57 (F1), CaptainTrips_49 (F1), Che8_55 (F1), Chevrolet_59 (F1), Chuckly_55 (F1), Clank_57 (F), Cornucopia_55 (F1), DLane_48 (F1), DeadP_58 (F1), Doomphist_52 (F1), DotProduct_48 (F1), Doug_55 (F1), Emma_52 (F1), Enby_53 (F1), Firehouse51_53 (F1), Gandolph_55 (F1), GigiOuiOui_49 (F1), Gumball_84 (D1), Hamulus_53 (F1), JalFarm20_60 (F1), Job42_55 (F1), Kenuha5_50 (F1), KristaRAM_51 (F1), Lorde_53 (F1), Madiba_50 (F1), Marsha_65 (A1), Melissauren88_50 (F1), MilleniumForce_52 (F1), MinionDave_51 (F1), Moonbeam_48 (F1), Mova_53 (F1), Mule_62 (A1), Mwanjiwa_58 (F1), Ogopogo_57 (F1), OwlsT2W_53 (F1), PMC_49 (F1), Phalconet_51 (F1), Phanphagia_47 (F1), Phasih_51 (F1), PhesterPhotato_54 (F1), PhrostyMug_65 (A1), Poenanya_52 (F1), Polka14_51 (F1), Renaud18_58 (F4), Renaud18_71 (F4), Rockne_53 (F1), RockyHorror_53 (F1), Royals2015_55 (F1), SG4_49 (F1), ShroomBoi_52 (F1), SirHarley_86 (D1), Smairt_67 (A1), Sparkdehlily_60 (F1), Sunshine924_70 (A1), SuperGrey_52 (F1), TDanisky_60 (F1), Taj_56 (F1), Topiatin_58 (F1), Troll4_84 (D1), Tweety_52 (F1), VRedHorse_52 (F1), Wee_55 (F1), Whatsapiecost_53 (F1), XFactor_50 (F1), Yoshi_44 (F2), Yoshi_64 (F2), Zerg_52 (F1),

Start 86:

- Found in 145 of 418 (34.7%) of genes in pham
- Manual Annotations of this start: 129 of 386
- Called 93.1% of time when present
- Phage (with cluster) where this start called: Banjo_52 (B1), Bartholomew_52 (P1), BigNuz_57 (P4), Bobi_72 (F1), Brilliant_55 (B1), Budski_68 (DN), CamL_53 (B1), Cannibal_53 (B1), Childish_53 (B1), Chorkpop_53 (B1), Chubbello_52 (P1), Colossa_75 (KA), Cosmolli16_54 (B1), Craff_56 (B1), DTDevon_6 (C1), DaWorst_54 (F1), DaddyDaniels_55 (B1), DaddyRickover_52 (F1), Daenerys_72 (F1), Daffy_53 (B1), Dandelion_5 (C1), Dante_53 (F1), Deb65_66 (F1), Demsculpinboyz_62 (F2), Doomphist_76 (F1), Dorothy_74 (F1), Douge_118 (L4), Drazdys_6 (C1), Dreamboat_67 (A1), Empress_71 (F1), Etoile_52 (P1), FirstPlacePfu_54 (P1), Fishburne_52 (P1), Fozzie_52 (B1), FrayBell_6 (C1), Fringe_57 (B1), Gaia_57 (X), Geralt_66 (F1), Giraffe_54 (B1), Grand2040_53 (B1), Haleema_52 (B1), Hawkeye_97 (D2), Hegedechwinu_72 (F1), Held_53 (B1), HenryJackson_53 (B1), Hertubise_53 (B1), HighStump_55 (B1), Inventum_47 (F1), Inventum_71 (F1), Iridessa_54 (B1), Jasper_66 (A1), JoeyJr_73 (F1), Kahve_53 (B1), Kari_52 (P1), Kimberlium_67 (F1), KingMidas_72 (F1), Kwadwo_52 (B1), Langerak_53 (P1), Lasso_53 (B1), LeeLot_53 (B1), Legolas_55 (B1), LeiMonet_55 (B1), Leperchaun_71 (F1), LinStu_6 (C1), Longacauda_54 (B1), LordLeafolot_6 (C1), Lumine_54 (B1), Mana_52 (B1), Maru_53

(B1), Mesh1_54 (B1), MitKao_53 (B1), Morgushi_53 (B1), Mosaic_52 (B1), Mozy_62 (F1), MrPhizzler_55 (B1), MulchExplorer_66 (F1), Nappy_5 (C1), Nazo_58 (P4), Nicole21_54 (B1), Nimbo_65 (F1), OldBen_70 (F1), Oosterbaan_53 (B1), Orwigg_53 (B1), PHappiness_73 (F1), PherrisBueller_66 (A1), PhesterPotato_75 (F1), Pier_6 (C1), Poenanya_76 (F1), Polka14_77 (F1), Polkaroo_55 (P1), Pollywog_50 (F1), Potter_52 (B1), Puhltonio_53 (B1), Purky_63 (P6), Purky_64 (P6), QueenBeane_53 (B1), QuickMath_66 (F1), RedBird_74 (F1), Renaud18_70 (F4), Rimu_54 (B1), RitaG_73 (F1), SG4_69 (F1), Samaymay_53 (B1), Sassafras_50 (F1), Sassafras_74 (F1), SassyCat97_52 (B1), Scottish_71 (F1), Sebata_6 (C1), Serendipity_53 (B1), Soile_54 (B1), Solosis_52 (B1), Sophia_52 (B1), Specks_6 (C1), Squid_53 (B1), Stellammi_132 (UNK), Surely_53 (B1), TallGrassMM_53 (B1), Thora_53 (B1), Timmi_52 (B1), TomBombadil_53 (B1), Tonenili_49 (C1), Tonenili_50 (C1), Toron_84 (F6), Trine_55 (CD), Tyke_6 (C1), VanLee_59 (KA), VanLee_73 (KA), Venti_53 (P1), Vortex_53 (B1), Vortrix_51 (C1), Vortrix_52 (C1), WilliamBoone_96 (CQ1), William_80 (CV), Xavier_52 (B1), Zelda_53 (B1),

Start 87:

- Found in 2 of 418 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 50.0% of time when present
- Phage (with cluster) where this start called: BuzzLyseyear_44 (F1),

Start 90:

- Found in 1 of 418 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Periwinkle_62 (DN1),

Start 94:

- Found in 58 of 418 (13.9%) of genes in pham
- Manual Annotations of this start: 4 of 386
- Called 15.5% of time when present
- Phage (with cluster) where this start called: Bobi_55 (F1), Harley_54 (F1), InterFolia_6 (C1), Jant_56 (F1), Krakatau_50 (F1), Okabe_47 (F8), PharkleMinkus_6 (C1), Pupusa_6 (C1), Tainan_6 (C1),

Start 95:

- Found in 38 of 418 (9.1%) of genes in pham
- Manual Annotations of this start: 33 of 386
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BAKA_145 (J), Bagrid_146 (J), Beem_147 (J), Bobby_135 (J), Bombitas_133 (J), Constella_139 (J), Dallas_146 (J), DmpstrDiver_146 (J), Dove_131 (J), Duke13_141 (J), Ejimix_138 (J), EricMillard_137 (J), Halley_147 (J), Hidrated_131 (J), HokkenD_138 (J), Hughesyang_144 (J), JuicyJay_141 (J), Kalah2_136 (J), KashFlow_144 (J), Klein_143 (J), Lucky2013_137 (J), Marleymoo_128 (J), MiaZeal_144 (J), Minerva_145 (J), NihilNomen_147 (J), Odette_149 (J), Optimus_136 (J), Phoebus_145 (J), Porcelain_141 (J), Pound_137 (J), Redno2_140 (J), Schatzie_141 (J), Thibault_128 (J), ThreeRngTarjay_140 (J), Wanda_145 (J), Xiaokay_141 (J), Yeet_139 (J), Zelink_140 (J),

Start 96:

- Found in 1 of 418 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 386

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phayonce_59 (P5),

Start 98:

- Found in 4 of 418 (1.0%) of genes in pham
- Manual Annotations of this start: 4 of 386
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azula_77 (CV), Blueberry_76 (CV), Gambino_79 (CV), MissRona_77 (CV),

Start 99:

- Found in 8 of 418 (1.9%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Faith5x5_53 (CZ6),

Start 100:

- Found in 25 of 418 (6.0%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 8.0% of time when present
- Phage (with cluster) where this start called: JigglyPuff_5 (C1), StephanieG_6 (C1),

Start 103:

- Found in 48 of 418 (11.5%) of genes in pham
- Manual Annotations of this start: 1 of 386
- Called 2.1% of time when present
- Phage (with cluster) where this start called: MadKillah_103 (O),

Start 104:

- Found in 1 of 418 (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: Colossa_74 (KA),

Start 107:

- Found in 9 of 418 (2.2%) of genes in pham
- Manual Annotations of this start: 4 of 386
- Called 44.4% of time when present
- Phage (with cluster) where this start called: Latretium_77 (F1), MadMen_62 (F1), Ryadel_103 (O), YungJamal_99 (O),

Summary by clusters:

There are 40 clusters represented in this pham: DN, singleton, CQ1, DH, CZ6, CZ4, CZ5, K5, DY, DS, F, A1, DN4, DN1, DN3, DN2, C1, P1, P6, P4, P5, J, KA, O, CD, CZ, S, X, UNK, CV, F1, F2, F4, F6, F8, L4, B1, B3, D2, D1,

Info for manual annotations of cluster A1:

- Start number 80 was manually annotated 1 time for cluster A1.
- Start number 83 was manually annotated 10 times for cluster A1.
- Start number 85 was manually annotated 8 times for cluster A1.
- Start number 86 was manually annotated 3 times for cluster A1.

Info for manual annotations of cluster B1:

- Start number 86 was manually annotated 57 times for cluster B1.

Info for manual annotations of cluster B3:

- Start number 83 was manually annotated 31 times for cluster B3.

Info for manual annotations of cluster C1:

- Start number 80 was manually annotated 3 times for cluster C1.
- Start number 86 was manually annotated 13 times for cluster C1.
- Start number 94 was manually annotated 1 time for cluster C1.
- Start number 100 was manually annotated 1 time for cluster C1.

Info for manual annotations of cluster CD:

- Start number 86 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster CQ1:

- Start number 86 was manually annotated 1 time for cluster CQ1.

Info for manual annotations of cluster CV:

- Start number 86 was manually annotated 1 time for cluster CV.
- Start number 98 was manually annotated 4 times for cluster CV.

Info for manual annotations of cluster CZ:

- Start number 82 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ4:

- Start number 84 was manually annotated 5 times for cluster CZ4.

Info for manual annotations of cluster CZ5:

- Start number 53 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 82 was manually annotated 1 time for cluster CZ6.
- Start number 84 was manually annotated 1 time for cluster CZ6.
- Start number 99 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster D1:

- Start number 85 was manually annotated 3 times for cluster D1.

Info for manual annotations of cluster D2:

- Start number 86 was manually annotated 1 time for cluster D2.

Info for manual annotations of cluster DH:

- Start number 82 was manually annotated 1 time for cluster DH.
- Start number 84 was manually annotated 2 times for cluster DH.

Info for manual annotations of cluster DN:

- Start number 82 was manually annotated 6 times for cluster DN.
- Start number 86 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 76 was manually annotated 3 times for cluster DN1.
- Start number 82 was manually annotated 11 times for cluster DN1.

- Start number 90 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 84 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 76 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 82 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DS:

- Start number 78 was manually annotated 1 time for cluster DS.

Info for manual annotations of cluster DY:

- Start number 81 was manually annotated 3 times for cluster DY.

Info for manual annotations of cluster F1:

- Start number 67 was manually annotated 1 time for cluster F1.
- Start number 70 was manually annotated 1 time for cluster F1.
- Start number 83 was manually annotated 10 times for cluster F1.
- Start number 85 was manually annotated 56 times for cluster F1.
- Start number 86 was manually annotated 33 times for cluster F1.
- Start number 87 was manually annotated 1 time for cluster F1.
- Start number 94 was manually annotated 3 times for cluster F1.
- Start number 107 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 85 was manually annotated 2 times for cluster F2.
- Start number 86 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster F4:

- Start number 85 was manually annotated 2 times for cluster F4.
- Start number 86 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster J:

- Start number 83 was manually annotated 29 times for cluster J.
- Start number 95 was manually annotated 33 times for cluster J.

Info for manual annotations of cluster K5:

- Start number 81 was manually annotated 1 time for cluster K5.

Info for manual annotations of cluster KA:

- Start number 86 was manually annotated 2 times for cluster KA.

Info for manual annotations of cluster L4:

- Start number 86 was manually annotated 1 time for cluster L4.

Info for manual annotations of cluster O:

- Start number 103 was manually annotated 1 time for cluster O.

- Start number 107 was manually annotated 2 times for cluster O.

Info for manual annotations of cluster P1:

- Start number 86 was manually annotated 7 times for cluster P1.

Info for manual annotations of cluster P4:

- Start number 86 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 96 was manually annotated 1 time for cluster P5.

Info for manual annotations of cluster P6:

- Start number 86 was manually annotated 2 times for cluster P6.

Info for manual annotations of cluster S:

- Start number 83 was manually annotated 6 times for cluster S.

Info for manual annotations of cluster UNK:

- Start number 86 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster X:

- Start number 86 was manually annotated 1 time for cluster X.

Gene Information:

Gene: Abinghost_51 Start: 45404, Stop: 45135, Start Num: 83

Candidate Starts for Abinghost_51:

(Start: 83 @45404 has 86 MA's), (Start: 103 @45350 has 1 MA's), (142, 45302),

Gene: Aeneas_68 Start: 44278, Stop: 44033, Start Num: 85

Candidate Starts for Aeneas_68:

(Start: 85 @44278 has 71 MA's), (Start: 100 @44236 has 1 MA's), (106, 44224), (108, 44221), (142, 44182), (145, 44164),

Gene: Akoma_51 Start: 45415, Stop: 45146, Start Num: 83

Candidate Starts for Akoma_51:

(Start: 83 @45415 has 86 MA's), (Start: 103 @45361 has 1 MA's), (142, 45313),

Gene: Apricot_73 Start: 42951, Stop: 43250, Start Num: 76

Candidate Starts for Apricot_73:

(30, 42846), (52, 42906), (Start: 76 @42951 has 5 MA's), (108, 43029), (140, 43095), (143, 43107),

Gene: ArcusAngelus_56 Start: 38441, Stop: 38683, Start Num: 85

Candidate Starts for ArcusAngelus_56:

(Start: 67 @38411 has 1 MA's), (Start: 85 @38441 has 71 MA's), (142, 38552),

Gene: Ardmore_44 Start: 35217, Stop: 35447, Start Num: 85

Candidate Starts for Ardmore_44:

(Start: 67 @35187 has 1 MA's), (Start: 85 @35217 has 71 MA's), (Start: 94 @35253 has 4 MA's), (140, 35313), (142, 35316),

Gene: Ariel_82 Start: 49253, Stop: 48984, Start Num: 83

Candidate Starts for Ariel_82:

(Start: 83 @49253 has 86 MA's), (Start: 103 @49199 has 1 MA's), (142, 49151),

Gene: Asapag_74 Start: 43606, Stop: 43938, Start Num: 82

Candidate Starts for Asapag_74:

(65, 43579), (Start: 76 @43597 has 5 MA's), (Start: 82 @43606 has 22 MA's), (172, 43819),

Gene: Athena_52 Start: 46162, Stop: 45893, Start Num: 83

Candidate Starts for Athena_52:

(Start: 83 @46162 has 86 MA's), (Start: 103 @46108 has 1 MA's), (142, 46060),

Gene: Aubs_53 Start: 37222, Stop: 37464, Start Num: 85

Candidate Starts for Aubs_53:

(Start: 81 @37216 has 4 MA's), (Start: 85 @37222 has 71 MA's), (142, 37333),

Gene: Audrey_51 Start: 45410, Stop: 45141, Start Num: 83

Candidate Starts for Audrey_51:

(Start: 83 @45410 has 86 MA's), (Start: 103 @45356 has 1 MA's), (142, 45308),

Gene: Azula_77 Start: 48141, Stop: 48380, Start Num: 98

Candidate Starts for Azula_77:

(1, 47394), (2, 47400), (3, 47406), (4, 47451), (17, 47889), (19, 47916), (29, 47979), (36, 48003), (73, 48078), (Start: 78 @48087 has 1 MA's), (Start: 98 @48141 has 4 MA's), (114, 48168), (179, 48306), (188, 48327), (194, 48375),

Gene: BAKA_145 Start: 76447, Stop: 76692, Start Num: 95

Candidate Starts for BAKA_145:

(37, 76312), (73, 76387), (Start: 82 @76402 has 22 MA's), (Start: 95 @76447 has 33 MA's), (134, 76519), (136, 76522),

Gene: BAKA_91 Start: 56921, Stop: 57199, Start Num: 83

Candidate Starts for BAKA_91:

(79, 56915), (Start: 83 @56921 has 86 MA's), (142, 57032),

Gene: BENtherdunthat_78 Start: 44652, Stop: 44984, Start Num: 82

Candidate Starts for BENtherdunthat_78:

(65, 44625), (Start: 76 @44643 has 5 MA's), (Start: 82 @44652 has 22 MA's), (172, 44865),

Gene: BaconJack_70 Start: 45368, Stop: 45123, Start Num: 85

Candidate Starts for BaconJack_70:

(Start: 85 @45368 has 71 MA's), (Start: 100 @45326 has 1 MA's), (106, 45314), (108, 45311), (142, 45272), (145, 45254),

Gene: Bagrid_146 Start: 77142, Stop: 77387, Start Num: 95

Candidate Starts for Bagrid_146:

(37, 77007), (73, 77082), (Start: 82 @77097 has 22 MA's), (Start: 95 @77142 has 33 MA's), (134, 77214), (136, 77217),

Gene: Bagrid_89 Start: 55770, Stop: 56066, Start Num: 83

Candidate Starts for Bagrid_89:

(Start: 83 @55770 has 86 MA's), (116, 55848), (134, 55875), (142, 55899),

Gene: Baloo_51 Start: 45413, Stop: 45144, Start Num: 83
Candidate Starts for Baloo_51:
(Start: 83 @45413 has 86 MA's), (Start: 103 @45359 has 1 MA's), (142, 45311),

Gene: Banjo_52 Start: 47062, Stop: 46769, Start Num: 86
Candidate Starts for Banjo_52:
(22, 47221), (35, 47164), (49, 47137), (55, 47116), (57, 47110), (Start: 86 @47062 has 129 MA's), (92, 47038), (130, 46990), (133, 46984), (142, 46960),

Gene: Bartholomew_52 Start: 36036, Stop: 36263, Start Num: 86
Candidate Starts for Bartholomew_52:
(48, 35973), (Start: 86 @36036 has 129 MA's), (143, 36135),

Gene: Batiatus_50 Start: 37046, Stop: 37276, Start Num: 85
Candidate Starts for Batiatus_50:
(Start: 67 @37016 has 1 MA's), (Start: 85 @37046 has 71 MA's), (Start: 94 @37082 has 4 MA's), (140, 37142), (142, 37145),

Gene: BearBQ_75 Start: 45677, Stop: 45961, Start Num: 82
Candidate Starts for BearBQ_75:
(47, 45602), (74, 45665), (Start: 76 @45668 has 5 MA's), (Start: 82 @45677 has 22 MA's), (108, 45743), (140, 45809), (143, 45821),

Gene: Beelzebub_8 Start: 2535, Stop: 2807, Start Num: 83
Candidate Starts for Beelzebub_8:
(Start: 83 @2535 has 86 MA's), (117, 2598), (142, 2640),

Gene: Beem_90 Start: 56631, Stop: 56927, Start Num: 83
Candidate Starts for Beem_90:
(Start: 83 @56631 has 86 MA's), (116, 56709), (134, 56736), (142, 56760),

Gene: Beem_147 Start: 78045, Stop: 78290, Start Num: 95
Candidate Starts for Beem_147:
(37, 77910), (Start: 82 @78000 has 22 MA's), (Start: 95 @78045 has 33 MA's), (134, 78117), (136, 78120),

Gene: Beenie_54 Start: 39845, Stop: 40141, Start Num: 84
Candidate Starts for Beenie_54:
(15, 39605), (16, 39608), (Start: 84 @39845 has 10 MA's), (Start: 99 @39893 has 1 MA's), (113, 39911), (161, 40007), (169, 40025), (178, 40049), (193, 40085), (195, 40097),

Gene: Ben11_51 Start: 45695, Stop: 45426, Start Num: 83
Candidate Starts for Ben11_51:
(Start: 83 @45695 has 86 MA's), (Start: 103 @45641 has 1 MA's), (142, 45593), (196, 45437),

Gene: Bethlehem_66 Start: 44024, Stop: 43779, Start Num: 85
Candidate Starts for Bethlehem_66:
(Start: 85 @44024 has 71 MA's), (140, 43916),

Gene: BigNuz_57 Start: 39875, Stop: 40117, Start Num: 86
Candidate Starts for BigNuz_57:
(48, 39812), (Start: 86 @39875 has 129 MA's), (101, 39920), (121, 39941), (139, 39965), (191, 40085),

Gene: Bigfoot_58 Start: 41545, Stop: 41276, Start Num: 83
Candidate Starts for Bigfoot_58:
(Start: 83 @41545 has 86 MA's), (Start: 103 @41491 has 1 MA's), (142, 41443),

Gene: Bipolar_49 Start: 36854, Stop: 37099, Start Num: 85
Candidate Starts for Bipolar_49:
(44, 36770), (51, 36788), (71, 36830), (Start: 85 @36854 has 71 MA's), (142, 36965),

Gene: Birdsong_73 Start: 43342, Stop: 43674, Start Num: 82
Candidate Starts for Birdsong_73:
(65, 43315), (Start: 76 @43333 has 5 MA's), (Start: 82 @43342 has 22 MA's), (172, 43555),

Gene: Blue_65 Start: 43245, Stop: 42976, Start Num: 83
Candidate Starts for Blue_65:
(Start: 83 @43245 has 86 MA's), (Start: 103 @43191 has 1 MA's), (142, 43143),

Gene: Blueberry_76 Start: 48141, Stop: 48380, Start Num: 98
Candidate Starts for Blueberry_76:
(1, 47394), (2, 47400), (3, 47406), (4, 47451), (17, 47889), (19, 47916), (29, 47979), (36, 48003), (73, 48078), (Start: 78 @48087 has 1 MA's), (Start: 98 @48141 has 4 MA's), (114, 48168), (179, 48306), (188, 48327), (194, 48375),

Gene: Bobby_135 Start: 77882, Stop: 78160, Start Num: 95
Candidate Starts for Bobby_135:
(37, 77747), (Start: 82 @77837 has 22 MA's), (Start: 95 @77882 has 33 MA's), (134, 77954), (136, 77957), (180, 78077),

Gene: Bobi_55 Start: 38256, Stop: 38450, Start Num: 94
Candidate Starts for Bobi_55:
(Start: 67 @38190 has 1 MA's), (Start: 85 @38220 has 71 MA's), (Start: 94 @38256 has 4 MA's), (140, 38316), (142, 38319),

Gene: Bobi_72 Start: 44458, Stop: 44685, Start Num: 86
Candidate Starts for Bobi_72:
(26, 44317), (48, 44383), (Start: 86 @44458 has 129 MA's), (143, 44557),

Gene: Bombitas_78 Start: 53794, Stop: 54090, Start Num: 83
Candidate Starts for Bombitas_78:
(Start: 83 @53794 has 86 MA's), (116, 53872), (134, 53899), (142, 53923),

Gene: Bombitas_133 Start: 75456, Stop: 75701, Start Num: 95
Candidate Starts for Bombitas_133:
(37, 75321), (Start: 82 @75411 has 22 MA's), (Start: 95 @75456 has 33 MA's), (134, 75528), (136, 75531),

Gene: Boomer_57 Start: 38978, Stop: 39235, Start Num: 85
Candidate Starts for Boomer_57:
(32, 38864), (34, 38876), (50, 38912), (75, 38963), (Start: 85 @38978 has 71 MA's), (142, 39089), (150, 39119),

Gene: BotCity_80 Start: 46160, Stop: 46492, Start Num: 82
Candidate Starts for BotCity_80:
(65, 46133), (Start: 76 @46151 has 5 MA's), (Start: 82 @46160 has 22 MA's), (172, 46373),

Gene: Brilliant_55 Start: 47604, Stop: 47335, Start Num: 86

Candidate Starts for Brilliant_55:

(22, 47763), (35, 47706), (49, 47679), (55, 47658), (57, 47652), (Start: 86 @47604 has 129 MA's), (92, 47580), (130, 47532), (133, 47526), (142, 47502), (196, 47346),

Gene: Budski_80 Start: 45490, Stop: 45795, Start Num: 82

Candidate Starts for Budski_80:

(65, 45463), (Start: 76 @45481 has 5 MA's), (Start: 82 @45490 has 22 MA's), (106, 45553), (108, 45556), (129, 45589), (140, 45622), (167, 45685), (174, 45703),

Gene: Budski_68 Start: 41006, Stop: 41320, Start Num: 86

Candidate Starts for Budski_68:

(5, 40640), (6, 40646), (9, 40685), (18, 40799), (46, 40925), (Start: 86 @41006 has 129 MA's), (97, 41048), (Start: 99 @41051 has 1 MA's), (118, 41087), (138, 41138), (148, 41174), (170, 41216), (185, 41249), (192, 41285),

Gene: BuzzLyseyear_44 Start: 32289, Stop: 32008, Start Num: 87

Candidate Starts for BuzzLyseyear_44:

(38, 32382), (40, 32379), (41, 32376), (62, 32331), (Start: 70 @32316 has 1 MA's), (77, 32304), (Start: 87 @32289 has 1 MA's), (110, 32229), (134, 32187), (140, 32163), (160, 32115),

Gene: Byougenkin_50 Start: 36870, Stop: 37133, Start Num: 67

Candidate Starts for Byougenkin_50:

(Start: 67 @36870 has 1 MA's), (Start: 86 @36900 has 129 MA's), (92, 36924), (123, 36966), (136, 36981), (140, 36999), (142, 37002),

Gene: CactusRose_66 Start: 42565, Stop: 42296, Start Num: 83

Candidate Starts for CactusRose_66:

(Start: 83 @42565 has 86 MA's), (Start: 103 @42511 has 1 MA's), (142, 42463),

Gene: CamL_53 Start: 47369, Stop: 47076, Start Num: 86

Candidate Starts for CamL_53:

(22, 47528), (35, 47471), (49, 47444), (55, 47423), (57, 47417), (Start: 86 @47369 has 129 MA's), (92, 47345), (130, 47297), (133, 47291), (142, 47267),

Gene: Cannibal_53 Start: 47352, Stop: 47059, Start Num: 86

Candidate Starts for Cannibal_53:

(22, 47511), (35, 47454), (49, 47427), (55, 47406), (57, 47400), (Start: 86 @47352 has 129 MA's), (92, 47328), (130, 47280), (133, 47274), (142, 47250),

Gene: CaptainTrips_49 Start: 36066, Stop: 36296, Start Num: 85

Candidate Starts for CaptainTrips_49:

(Start: 67 @36036 has 1 MA's), (Start: 85 @36066 has 71 MA's), (Start: 94 @36102 has 4 MA's), (140, 36162), (142, 36165),

Gene: Carlyle_66 Start: 41351, Stop: 41082, Start Num: 83

Candidate Starts for Carlyle_66:

(Start: 83 @41351 has 86 MA's), (Start: 103 @41297 has 1 MA's), (142, 41249),

Gene: Casbah_51 Start: 45725, Stop: 45456, Start Num: 83

Candidate Starts for Casbah_51:

(Start: 83 @45725 has 86 MA's), (Start: 103 @45671 has 1 MA's), (142, 45623), (196, 45467),

Gene: ChaChing_51 Start: 45427, Stop: 45158, Start Num: 83
Candidate Starts for ChaChing_51:
(Start: 83 @45427 has 86 MA's), (Start: 103 @45373 has 1 MA's), (142, 45325),

Gene: Chandler_51 Start: 46194, Stop: 45925, Start Num: 83
Candidate Starts for Chandler_51:
(Start: 83 @46194 has 86 MA's), (Start: 103 @46140 has 1 MA's), (142, 46092),

Gene: Che8_55 Start: 38308, Stop: 38550, Start Num: 85
Candidate Starts for Che8_55:
(Start: 67 @38278 has 1 MA's), (Start: 85 @38308 has 71 MA's), (142, 38419),

Gene: CheeseTouch_80 Start: 40886, Stop: 41182, Start Num: 76
Candidate Starts for CheeseTouch_80:
(21, 40742), (34, 40799), (43, 40817), (Start: 76 @40886 has 5 MA's), (Start: 82 @40895 has 22 MA's),
(108, 40961), (140, 41027), (143, 41039),

Gene: Chentzyk_52 Start: 46237, Stop: 45968, Start Num: 83
Candidate Starts for Chentzyk_52:
(Start: 83 @46237 has 86 MA's), (Start: 103 @46183 has 1 MA's), (142, 46135), (196, 45979),

Gene: Chevrolet_59 Start: 38442, Stop: 38684, Start Num: 85
Candidate Starts for Chevrolet_59:
(Start: 67 @38412 has 1 MA's), (Start: 85 @38442 has 71 MA's), (142, 38553),

Gene: Childish_53 Start: 47631, Stop: 47362, Start Num: 86
Candidate Starts for Childish_53:
(22, 47790), (35, 47733), (49, 47706), (55, 47685), (57, 47679), (Start: 86 @47631 has 129 MA's), (92,
47607), (130, 47559), (133, 47553), (142, 47529), (196, 47373),

Gene: Chorkpop_53 Start: 47108, Stop: 46815, Start Num: 86
Candidate Starts for Chorkpop_53:
(22, 47267), (35, 47210), (49, 47183), (55, 47162), (57, 47156), (Start: 86 @47108 has 129 MA's), (92,
47084), (130, 47036), (133, 47030), (142, 47006),

Gene: Chubbello_52 Start: 36032, Stop: 36259, Start Num: 86
Candidate Starts for Chubbello_52:
(48, 35969), (Start: 86 @36032 has 129 MA's), (143, 36131),

Gene: Chuckly_55 Start: 37799, Stop: 38041, Start Num: 85
Candidate Starts for Chuckly_55:
(Start: 81 @37793 has 4 MA's), (Start: 85 @37799 has 71 MA's), (142, 37910),

Gene: Clank_57 Start: 38129, Stop: 38371, Start Num: 85
Candidate Starts for Clank_57:
(Start: 81 @38123 has 4 MA's), (Start: 85 @38129 has 71 MA's), (142, 38240),

Gene: Clark_59 Start: 39693, Stop: 39938, Start Num: 84
Candidate Starts for Clark_59:
(Start: 84 @39693 has 10 MA's), (Start: 94 @39732 has 4 MA's), (179, 39882),

Gene: Clarkson_7 Start: 2311, Stop: 2583, Start Num: 83

Candidate Starts for Clarkson_7:
(Start: 83 @2311 has 86 MA's), (117, 2374), (142, 2416),

Gene: Colossa_75 Start: 44073, Stop: 44345, Start Num: 86
Candidate Starts for Colossa_75:
(Start: 86 @44073 has 129 MA's), (136, 44178), (153, 44232),

Gene: Colossa_74 Start: 43841, Stop: 44080, Start Num: 104
Candidate Starts for Colossa_74:
(104, 43841), (165, 43973),

Gene: Constella_139 Start: 76698, Stop: 76943, Start Num: 95
Candidate Starts for Constella_139:
(37, 76563), (73, 76638), (Start: 82 @76653 has 22 MA's), (Start: 95 @76698 has 33 MA's), (134, 76770), (136, 76773),

Gene: Constella_75 Start: 50768, Stop: 51064, Start Num: 83
Candidate Starts for Constella_75:
(Start: 83 @50768 has 86 MA's), (116, 50846), (134, 50873), (142, 50897),

Gene: Cornucopia_55 Start: 38144, Stop: 38386, Start Num: 85
Candidate Starts for Cornucopia_55:
(Start: 67 @38114 has 1 MA's), (Start: 85 @38144 has 71 MA's), (140, 38252),

Gene: Corofin_51 Start: 45437, Stop: 45168, Start Num: 83
Candidate Starts for Corofin_51:
(Start: 83 @45437 has 86 MA's), (Start: 103 @45383 has 1 MA's), (142, 45335),

Gene: Cosmolli16_54 Start: 47811, Stop: 47542, Start Num: 86
Candidate Starts for Cosmolli16_54:
(22, 47970), (35, 47913), (49, 47886), (55, 47865), (57, 47859), (Start: 86 @47811 has 129 MA's), (92, 47787), (130, 47739), (133, 47733), (142, 47709),

Gene: Courthouse_78 Start: 48853, Stop: 48584, Start Num: 83
Candidate Starts for Courthouse_78:
(Start: 83 @48853 has 86 MA's), (Start: 103 @48799 has 1 MA's), (142, 48751),

Gene: Craff_56 Start: 48056, Stop: 47787, Start Num: 86
Candidate Starts for Craff_56:
(22, 48215), (35, 48158), (49, 48131), (55, 48110), (57, 48104), (Start: 86 @48056 has 129 MA's), (92, 48032), (130, 47984), (133, 47978), (142, 47954), (196, 47798),

Gene: Crater_73 Start: 43346, Stop: 43687, Start Num: 76
Candidate Starts for Crater_73:
(30, 43241), (52, 43301), (Start: 76 @43346 has 5 MA's), (108, 43424), (140, 43490), (164, 43553),

Gene: DLane_48 Start: 36148, Stop: 36381, Start Num: 85
Candidate Starts for DLane_48:
(Start: 67 @36118 has 1 MA's), (Start: 85 @36148 has 71 MA's), (Start: 94 @36184 has 4 MA's), (140, 36244), (142, 36247),

Gene: DTDevon_6 Start: 1888, Stop: 2115, Start Num: 86
Candidate Starts for DTDevon_6:

(Start: 80 @1879 has 4 MA's), (Start: 86 @1888 has 129 MA's), (Start: 94 @1924 has 4 MA's), (Start: 100 @1933 has 1 MA's), (142, 1987), (162, 2026),

Gene: DaWorst_54 Start: 38043, Stop: 38276, Start Num: 86

Candidate Starts for DaWorst_54:

(Start: 67 @38013 has 1 MA's), (Start: 86 @38043 has 129 MA's), (92, 38067), (123, 38109), (136, 38124), (140, 38142), (142, 38145),

Gene: DaddyDaniels_55 Start: 47588, Stop: 47319, Start Num: 86

Candidate Starts for DaddyDaniels_55:

(22, 47747), (35, 47690), (49, 47663), (55, 47642), (57, 47636), (Start: 86 @47588 has 129 MA's), (92, 47564), (130, 47516), (133, 47510), (142, 47486), (196, 47330),

Gene: DaddyRickover_52 Start: 37670, Stop: 37903, Start Num: 86

Candidate Starts for DaddyRickover_52:

(Start: 67 @37640 has 1 MA's), (Start: 86 @37670 has 129 MA's), (92, 37694), (123, 37736), (136, 37751), (140, 37769), (142, 37772),

Gene: Daenerys_72 Start: 47067, Stop: 47294, Start Num: 86

Candidate Starts for Daenerys_72:

(Start: 86 @47067 has 129 MA's), (143, 47166),

Gene: Daffy_53 Start: 47094, Stop: 46801, Start Num: 86

Candidate Starts for Daffy_53:

(22, 47253), (35, 47196), (49, 47169), (55, 47148), (57, 47142), (Start: 86 @47094 has 129 MA's), (92, 47070), (130, 47022), (133, 47016), (142, 46992),

Gene: Daisy_51 Start: 45439, Stop: 45170, Start Num: 83

Candidate Starts for Daisy_51:

(Start: 83 @45439 has 86 MA's), (Start: 103 @45385 has 1 MA's), (142, 45337),

Gene: Dallas_89 Start: 55552, Stop: 55848, Start Num: 83

Candidate Starts for Dallas_89:

(Start: 83 @55552 has 86 MA's), (116, 55630), (134, 55657), (142, 55681),

Gene: Dallas_146 Start: 77512, Stop: 77757, Start Num: 95

Candidate Starts for Dallas_146:

(37, 77377), (73, 77452), (Start: 82 @77467 has 22 MA's), (Start: 95 @77512 has 33 MA's), (134, 77584), (136, 77587),

Gene: Dandelion_5 Start: 1888, Stop: 2115, Start Num: 86

Candidate Starts for Dandelion_5:

(Start: 80 @1879 has 4 MA's), (Start: 86 @1888 has 129 MA's), (Start: 94 @1924 has 4 MA's), (Start: 100 @1933 has 1 MA's), (142, 1987), (162, 2026),

Gene: Dante_53 Start: 37036, Stop: 37266, Start Num: 86

Candidate Starts for Dante_53:

(Start: 67 @37006 has 1 MA's), (Start: 86 @37036 has 129 MA's), (92, 37060), (123, 37099), (136, 37114), (140, 37132), (142, 37135),

Gene: DeadP_58 Start: 38932, Stop: 39159, Start Num: 85

Candidate Starts for DeadP_58:

(Start: 67 @38902 has 1 MA's), (Start: 85 @38932 has 71 MA's), (Start: 94 @38965 has 4 MA's),
(Start: 107 @38989 has 4 MA's), (140, 39022),

Gene: Deb65_66 Start: 44788, Stop: 45015, Start Num: 86

Candidate Starts for Deb65_66:

(Start: 86 @44788 has 129 MA's), (143, 44887),

Gene: Demsculpinboyz_62 Start: 36874, Stop: 37140, Start Num: 86

Candidate Starts for Demsculpinboyz_62:

(Start: 67 @36844 has 1 MA's), (Start: 86 @36874 has 129 MA's), (92, 36898), (123, 36940), (136,
36955), (140, 36973), (142, 36976),

Gene: Denise_57 Start: 36623, Stop: 36913, Start Num: 53

Candidate Starts for Denise_57:

(Start: 53 @36623 has 1 MA's), (72, 36659), (161, 36815), (194, 36896),

Gene: DmpstrDiver_90 Start: 55966, Stop: 56262, Start Num: 83

Candidate Starts for DmpstrDiver_90:

(Start: 83 @55966 has 86 MA's), (116, 56044), (134, 56071), (142, 56095),

Gene: DmpstrDiver_146 Start: 77431, Stop: 77676, Start Num: 95

Candidate Starts for DmpstrDiver_146:

(37, 77296), (73, 77371), (Start: 82 @77386 has 22 MA's), (Start: 95 @77431 has 33 MA's), (134,
77503), (136, 77506),

Gene: DoRead_54 Start: 36172, Stop: 36447, Start Num: 83

Candidate Starts for DoRead_54:

(Start: 83 @36172 has 86 MA's), (142, 36283),

Gene: DobbysSock_53 Start: 39107, Stop: 39373, Start Num: 84

Candidate Starts for DobbysSock_53:

(Start: 84 @39107 has 10 MA's), (114, 39173), (115, 39176),

Gene: DonkeyMan_58 Start: 38401, Stop: 38625, Start Num: 81

Candidate Starts for DonkeyMan_58:

(Start: 81 @38401 has 4 MA's), (97, 38437), (159, 38530), (186, 38578),

Gene: Donkeykong_53 Start: 39067, Stop: 39345, Start Num: 83

Candidate Starts for Donkeykong_53:

(55, 39022), (66, 39043), (Start: 83 @39067 has 86 MA's), (142, 39178),

Gene: Doomphist_76 Start: 46880, Stop: 47107, Start Num: 86

Candidate Starts for Doomphist_76:

(Start: 86 @46880 has 129 MA's), (143, 46979),

Gene: Doomphist_52 Start: 38179, Stop: 38421, Start Num: 85

Candidate Starts for Doomphist_52:

(Start: 67 @38149 has 1 MA's), (Start: 85 @38179 has 71 MA's), (140, 38287),

Gene: Dorothy_74 Start: 45505, Stop: 45732, Start Num: 86

Candidate Starts for Dorothy_74:

(Start: 86 @45505 has 129 MA's), (143, 45604),

Gene: DotProduct_48 Start: 36209, Stop: 36451, Start Num: 85
Candidate Starts for DotProduct_48:
(Start: 67 @36179 has 1 MA's), (Start: 85 @36209 has 71 MA's), (140, 36317),

Gene: Doug_55 Start: 38300, Stop: 38542, Start Num: 85
Candidate Starts for Doug_55:
(Start: 67 @38270 has 1 MA's), (Start: 85 @38300 has 71 MA's), (142, 38411),

Gene: Douge_118 Start: 64670, Stop: 64912, Start Num: 86
Candidate Starts for Douge_118:
(Start: 86 @64670 has 129 MA's), (88, 64682), (146, 64778), (191, 64865), (196, 64886),

Gene: Dove_131 Start: 73030, Stop: 73275, Start Num: 95
Candidate Starts for Dove_131:
(37, 72895), (Start: 82 @72985 has 22 MA's), (Start: 95 @73030 has 33 MA's), (134, 73102), (136, 73105),

Gene: Dove_75 Start: 52060, Stop: 52356, Start Num: 83
Candidate Starts for Dove_75:
(Start: 83 @52060 has 86 MA's), (116, 52138), (134, 52165), (142, 52189),

Gene: Drazdys_6 Start: 1888, Stop: 2115, Start Num: 86
Candidate Starts for Drazdys_6:
(Start: 80 @1879 has 4 MA's), (Start: 86 @1888 has 129 MA's), (Start: 94 @1924 has 4 MA's), (Start: 100 @1933 has 1 MA's), (142, 1987), (162, 2026),

Gene: Dreamboat_67 Start: 41780, Stop: 41553, Start Num: 86
Candidate Starts for Dreamboat_67:
(Start: 86 @41780 has 129 MA's), (142, 41720),

Gene: Duke13_141 Start: 74732, Stop: 74977, Start Num: 95
Candidate Starts for Duke13_141:
(37, 74597), (73, 74672), (Start: 82 @74687 has 22 MA's), (Start: 95 @74732 has 33 MA's), (134, 74804), (136, 74807),

Gene: Ecliptus_80 Start: 46255, Stop: 46587, Start Num: 82
Candidate Starts for Ecliptus_80:
(65, 46228), (Start: 76 @46246 has 5 MA's), (Start: 82 @46255 has 22 MA's), (172, 46468),

Gene: Eish_57 Start: 38353, Stop: 38628, Start Num: 83
Candidate Starts for Eish_57:
(Start: 83 @38353 has 86 MA's), (142, 38464),

Gene: Ejimix_138 Start: 77580, Stop: 77825, Start Num: 95
Candidate Starts for Ejimix_138:
(37, 77445), (73, 77520), (Start: 82 @77535 has 22 MA's), (Start: 95 @77580 has 33 MA's), (134, 77652), (136, 77655),

Gene: Emma_52 Start: 36405, Stop: 36638, Start Num: 85
Candidate Starts for Emma_52:
(Start: 67 @36375 has 1 MA's), (Start: 85 @36405 has 71 MA's), (Start: 94 @36441 has 4 MA's), (140, 36501), (142, 36504),

Gene: Empress_71 Start: 45691, Stop: 45918, Start Num: 86
Candidate Starts for Empress_71:
(Start: 86 @45691 has 129 MA's), (143, 45790),

Gene: Enby_53 Start: 35552, Stop: 35782, Start Num: 85
Candidate Starts for Enby_53:
(65, 35519), (Start: 67 @35522 has 1 MA's), (Start: 85 @35552 has 71 MA's), (Start: 94 @35588 has 4 MA's), (140, 35648), (142, 35651),

Gene: EricMillard_137 Start: 76084, Stop: 76329, Start Num: 95
Candidate Starts for EricMillard_137:
(37, 75949), (73, 76024), (Start: 82 @76039 has 22 MA's), (Start: 95 @76084 has 33 MA's), (134, 76156), (136, 76159),

Gene: EricMillard_83 Start: 55716, Stop: 55994, Start Num: 83
Candidate Starts for EricMillard_83:
(79, 55710), (Start: 83 @55716 has 86 MA's), (142, 55827),

Gene: Estave1_55 Start: 37717, Stop: 37980, Start Num: 83
Candidate Starts for Estave1_55:
(Start: 83 @37717 has 86 MA's), (142, 37828),

Gene: Etoile_52 Start: 36036, Stop: 36263, Start Num: 86
Candidate Starts for Etoile_52:
(48, 35973), (Start: 86 @36036 has 129 MA's), (143, 36135),

Gene: Faith5x5_53 Start: 34268, Stop: 34585, Start Num: 99
Candidate Starts for Faith5x5_53:
(23, 34076), (51, 34163), (Start: 53 @34169 has 1 MA's), (56, 34178), (59, 34184), (61, 34187), (Start: 76 @34208 has 5 MA's), (Start: 78 @34211 has 1 MA's), (Start: 84 @34220 has 10 MA's), (Start: 94 @34259 has 4 MA's), (Start: 99 @34268 has 1 MA's), (198, 34496),

Gene: Fascinus_60 Start: 42059, Stop: 41790, Start Num: 83
Candidate Starts for Fascinus_60:
(Start: 83 @42059 has 86 MA's), (Start: 103 @42005 has 1 MA's), (142, 41957),

Gene: FeliMaine_7 Start: 2312, Stop: 2584, Start Num: 83
Candidate Starts for FeliMaine_7:
(Start: 83 @2312 has 86 MA's), (117, 2375), (142, 2417),

Gene: Firehouse51_53 Start: 39958, Stop: 40203, Start Num: 85
Candidate Starts for Firehouse51_53:
(Start: 67 @39928 has 1 MA's), (Start: 85 @39958 has 71 MA's), (142, 40069),

Gene: FirstPlacePfu_54 Start: 36068, Stop: 36295, Start Num: 86
Candidate Starts for FirstPlacePfu_54:
(48, 36005), (Start: 86 @36068 has 129 MA's), (143, 36167),

Gene: Fishburne_52 Start: 36036, Stop: 36263, Start Num: 86
Candidate Starts for Fishburne_52:
(48, 35973), (Start: 86 @36036 has 129 MA's), (143, 36135),

Gene: Fozzie_52 Start: 47398, Stop: 47105, Start Num: 86

Candidate Starts for Fozzie_52:

(22, 47557), (35, 47500), (49, 47473), (55, 47452), (57, 47446), (Start: 86 @47398 has 129 MA's), (92, 47374), (130, 47326), (133, 47320), (142, 47296),

Gene: FrayBell_6 Start: 1888, Stop: 2115, Start Num: 86

Candidate Starts for FrayBell_6:

(Start: 80 @1879 has 4 MA's), (Start: 86 @1888 has 129 MA's), (Start: 94 @1924 has 4 MA's), (Start: 100 @1933 has 1 MA's), (142, 1987), (162, 2026),

Gene: Frickyeah_80 Start: 44783, Stop: 45115, Start Num: 82

Candidate Starts for Frickyeah_80:

(65, 44756), (Start: 76 @44774 has 5 MA's), (Start: 82 @44783 has 22 MA's), (172, 44996),

Gene: Fringe_57 Start: 48533, Stop: 48264, Start Num: 86

Candidate Starts for Fringe_57:

(22, 48692), (35, 48635), (55, 48587), (57, 48581), (Start: 86 @48533 has 129 MA's), (92, 48509), (130, 48461), (133, 48455), (142, 48431), (196, 48275),

Gene: GAL1_58 Start: 39448, Stop: 39708, Start Num: 83

Candidate Starts for GAL1_58:

(Start: 83 @39448 has 86 MA's), (154, 39592),

Gene: GMA1_52 Start: 32897, Stop: 33145, Start Num: 82

Candidate Starts for GMA1_52:

(42, 32816), (49, 32828), (57, 32855), (73, 32882), (Start: 82 @32897 has 22 MA's),

Gene: GMA2_107 Start: 94211, Stop: 93939, Start Num: 82

Candidate Starts for GMA2_107:

(Start: 82 @94211 has 22 MA's), (176, 94031),

Gene: Gaia_57 Start: 40635, Stop: 40414, Start Num: 86

Candidate Starts for Gaia_57:

(Start: 86 @40635 has 129 MA's), (88, 40623), (108, 40581), (191, 40443), (196, 40422),

Gene: Gambino_79 Start: 48141, Stop: 48380, Start Num: 98

Candidate Starts for Gambino_79:

(1, 47394), (2, 47400), (3, 47406), (4, 47451), (17, 47889), (19, 47916), (29, 47979), (36, 48003), (73, 48078), (Start: 78 @48087 has 1 MA's), (Start: 98 @48141 has 4 MA's), (114, 48168), (179, 48306), (188, 48327), (194, 48375),

Gene: Gandalph_55 Start: 37415, Stop: 37660, Start Num: 85

Candidate Starts for Gandalph_55:

(Start: 85 @37415 has 71 MA's), (140, 37523),

Gene: Geralt_66 Start: 44787, Stop: 45014, Start Num: 86

Candidate Starts for Geralt_66:

(Start: 86 @44787 has 129 MA's), (143, 44886),

Gene: Gervas_52 Start: 45854, Stop: 45585, Start Num: 83

Candidate Starts for Gervas_52:

(Start: 83 @45854 has 86 MA's), (Start: 103 @45800 has 1 MA's), (142, 45752), (196, 45596),

Gene: Getalong_78 Start: 45864, Stop: 46163, Start Num: 82

Candidate Starts for Getalong_78:

(Start: 82 @45864 has 22 MA's), (102, 45918), (126, 45957), (144, 46014), (177, 46071),

Gene: GigiOuiOui_49 Start: 36354, Stop: 36596, Start Num: 85

Candidate Starts for GigiOuiOui_49:

(Start: 67 @36324 has 1 MA's), (Start: 85 @36354 has 71 MA's), (140, 36462),

Gene: Giraffe_54 Start: 47592, Stop: 47323, Start Num: 86

Candidate Starts for Giraffe_54:

(22, 47751), (35, 47694), (55, 47646), (57, 47640), (Start: 86 @47592 has 129 MA's), (92, 47568), (130, 47520), (133, 47514), (142, 47490),

Gene: GlenHope_52 Start: 45405, Stop: 45136, Start Num: 83

Candidate Starts for GlenHope_52:

(Start: 83 @45405 has 86 MA's), (Start: 103 @45351 has 1 MA's), (142, 45303),

Gene: Glubnar_52 Start: 45405, Stop: 45136, Start Num: 83

Candidate Starts for Glubnar_52:

(Start: 83 @45405 has 86 MA's), (Start: 103 @45351 has 1 MA's), (142, 45303),

Gene: Graduation_70 Start: 43891, Stop: 43622, Start Num: 83

Candidate Starts for Graduation_70:

(Start: 83 @43891 has 86 MA's), (Start: 103 @43837 has 1 MA's), (142, 43789),

Gene: Grand2040_53 Start: 47586, Stop: 47317, Start Num: 86

Candidate Starts for Grand2040_53:

(22, 47745), (35, 47688), (55, 47640), (57, 47634), (Start: 86 @47586 has 129 MA's), (92, 47562), (130, 47514), (133, 47508), (142, 47484),

Gene: Gudmit_51 Start: 32451, Stop: 32681, Start Num: 84

Candidate Starts for Gudmit_51:

(Start: 84 @32451 has 10 MA's), (93, 32481), (Start: 94 @32490 has 4 MA's), (128, 32514), (179, 32625),

Gene: Gumball_84 Start: 60133, Stop: 60360, Start Num: 85

Candidate Starts for Gumball_84:

(28, 60010), (Start: 85 @60133 has 71 MA's), (Start: 94 @60169 has 4 MA's), (Start: 100 @60178 has 1 MA's), (142, 60232),

Gene: Haleema_52 Start: 47090, Stop: 46797, Start Num: 86

Candidate Starts for Haleema_52:

(22, 47249), (35, 47192), (49, 47165), (55, 47144), (57, 47138), (Start: 86 @47090 has 129 MA's), (92, 47066), (130, 47018), (133, 47012), (142, 46988),

Gene: Halfpint_50 Start: 45230, Stop: 44961, Start Num: 83

Candidate Starts for Halfpint_50:

(Start: 83 @45230 has 86 MA's), (Start: 103 @45176 has 1 MA's), (142, 45128),

Gene: Halley_147 Start: 77896, Stop: 78141, Start Num: 95

Candidate Starts for Halley_147:

(37, 77761), (73, 77836), (Start: 82 @77851 has 22 MA's), (Start: 95 @77896 has 33 MA's), (134, 77968), (136, 77971),

Gene: Halley_91 Start: 56631, Stop: 56927, Start Num: 83
Candidate Starts for Halley_91:
(Start: 83 @56631 has 86 MA's), (116, 56709), (134, 56736), (142, 56760),

Gene: Hamulus_53 Start: 37796, Stop: 38026, Start Num: 85
Candidate Starts for Hamulus_53:
(Start: 67 @37766 has 1 MA's), (Start: 85 @37796 has 71 MA's), (Start: 94 @37832 has 4 MA's), (140, 37892), (142, 37895),

Gene: Harley_54 Start: 37188, Stop: 37382, Start Num: 94
Candidate Starts for Harley_54:
(Start: 67 @37122 has 1 MA's), (Start: 85 @37152 has 71 MA's), (Start: 94 @37188 has 4 MA's), (140, 37248), (142, 37251),

Gene: Hawkeye_97 Start: 61659, Stop: 61895, Start Num: 86
Candidate Starts for Hawkeye_97:
(33, 61557), (57, 61620), (61, 61626), (Start: 86 @61659 has 129 MA's), (120, 61728), (142, 61758), (184, 61809), (189, 61830), (197, 61872),

Gene: Hegedechwinu_72 Start: 43105, Stop: 43332, Start Num: 86
Candidate Starts for Hegedechwinu_72:
(Start: 86 @43105 has 129 MA's), (143, 43204),

Gene: Heinz_57 Start: 37331, Stop: 37591, Start Num: 81
Candidate Starts for Heinz_57:
(Start: 81 @37331 has 4 MA's), (159, 37496), (186, 37544),

Gene: Held_53 Start: 47095, Stop: 46802, Start Num: 86
Candidate Starts for Held_53:
(22, 47254), (35, 47197), (49, 47170), (55, 47149), (57, 47143), (Start: 86 @47095 has 129 MA's), (92, 47071), (130, 47023), (133, 47017), (142, 46993),

Gene: HenryJackson_53 Start: 47620, Stop: 47351, Start Num: 86
Candidate Starts for HenryJackson_53:
(22, 47779), (35, 47722), (49, 47695), (55, 47674), (57, 47668), (Start: 86 @47620 has 129 MA's), (92, 47596), (130, 47548), (133, 47542), (142, 47518), (196, 47362),

Gene: Hertubise_53 Start: 47387, Stop: 47094, Start Num: 86
Candidate Starts for Hertubise_53:
(22, 47546), (35, 47489), (49, 47462), (55, 47441), (57, 47435), (Start: 86 @47387 has 129 MA's), (92, 47363), (130, 47315), (133, 47309), (142, 47285),

Gene: Hidrated_131 Start: 76215, Stop: 76493, Start Num: 95
Candidate Starts for Hidrated_131:
(37, 76080), (Start: 82 @76170 has 22 MA's), (Start: 95 @76215 has 33 MA's), (134, 76287), (136, 76290), (180, 76410),

Gene: HighStump_55 Start: 48156, Stop: 47887, Start Num: 86
Candidate Starts for HighStump_55:
(22, 48315), (35, 48258), (49, 48231), (55, 48210), (57, 48204), (Start: 86 @48156 has 129 MA's), (92, 48132), (130, 48084), (133, 48078), (142, 48054), (196, 47898),

Gene: HokkenD_138 Start: 77055, Stop: 77300, Start Num: 95

Candidate Starts for HokkenD_138:

(37, 76920), (Start: 82 @77010 has 22 MA's), (Start: 95 @77055 has 33 MA's), (134, 77127), (136, 77130),

Gene: HokkenD_79 Start: 54900, Stop: 55196, Start Num: 83

Candidate Starts for HokkenD_79:

(Start: 83 @54900 has 86 MA's), (116, 54978), (134, 55005), (142, 55029),

Gene: Holliday_79 Start: 47725, Stop: 48021, Start Num: 82

Candidate Starts for Holliday_79:

(65, 47698), (Start: 76 @47716 has 5 MA's), (Start: 82 @47725 has 22 MA's), (108, 47791), (145, 47878), (158, 47896), (171, 47923),

Gene: Horus_75 Start: 45413, Stop: 45754, Start Num: 76

Candidate Starts for Horus_75:

(30, 45308), (52, 45368), (Start: 76 @45413 has 5 MA's), (108, 45491), (140, 45557), (164, 45620),

Gene: Hughesyang_90 Start: 56589, Stop: 56885, Start Num: 83

Candidate Starts for Hughesyang_90:

(Start: 83 @56589 has 86 MA's), (116, 56667), (134, 56694), (142, 56718),

Gene: Hughesyang_144 Start: 77666, Stop: 77911, Start Num: 95

Candidate Starts for Hughesyang_144:

(37, 77531), (73, 77606), (Start: 82 @77621 has 22 MA's), (Start: 95 @77666 has 33 MA's), (134, 77738), (136, 77741),

Gene: InLimbo_56 Start: 35600, Stop: 35902, Start Num: 84

Candidate Starts for InLimbo_56:

(45, 35528), (56, 35558), (68, 35576), (Start: 76 @35588 has 5 MA's), (Start: 78 @35591 has 1 MA's), (Start: 84 @35600 has 10 MA's), (Start: 99 @35648 has 1 MA's), (113, 35666), (127, 35687), (182, 35810),

Gene: InterFolia_6 Start: 1924, Stop: 2115, Start Num: 94

Candidate Starts for InterFolia_6:

(Start: 80 @1879 has 4 MA's), (Start: 86 @1888 has 129 MA's), (Start: 94 @1924 has 4 MA's), (Start: 100 @1933 has 1 MA's), (142, 1987), (162, 2026),

Gene: Invecetra_62 Start: 41266, Stop: 41511, Start Num: 84

Candidate Starts for Invecetra_62:

(Start: 84 @41266 has 10 MA's), (Start: 94 @41305 has 4 MA's), (179, 41455),

Gene: Inventum_47 Start: 36162, Stop: 36395, Start Num: 86

Candidate Starts for Inventum_47:

(Start: 67 @36132 has 1 MA's), (Start: 86 @36162 has 129 MA's), (92, 36186), (123, 36228), (136, 36243), (140, 36261), (142, 36264),

Gene: Inventum_71 Start: 45703, Stop: 45930, Start Num: 86

Candidate Starts for Inventum_71:

(Start: 86 @45703 has 129 MA's), (143, 45802),

Gene: Iridessa_54 Start: 47600, Stop: 47331, Start Num: 86

Candidate Starts for Iridessa_54:

(22, 47759), (35, 47702), (49, 47675), (55, 47654), (57, 47648), (Start: 86 @47600 has 129 MA's), (92, 47576), (130, 47528), (133, 47522), (142, 47498), (196, 47342),

Gene: JalFarm20_60 Start: 39595, Stop: 39840, Start Num: 85

Candidate Starts for JalFarm20_60:

(71, 39571), (Start: 85 @39595 has 71 MA's), (142, 39706),

Gene: Jant_56 Start: 38892, Stop: 39086, Start Num: 94

Candidate Starts for Jant_56:

(Start: 67 @38826 has 1 MA's), (Start: 85 @38856 has 71 MA's), (Start: 94 @38892 has 4 MA's), (140, 38952), (142, 38955),

Gene: Jasper_66 Start: 41666, Stop: 41439, Start Num: 86

Candidate Starts for Jasper_66:

(Start: 86 @41666 has 129 MA's), (142, 41606),

Gene: JayJay_6 Start: 1730, Stop: 1996, Start Num: 80

Candidate Starts for JayJay_6:

(Start: 80 @1730 has 4 MA's), (Start: 86 @1739 has 129 MA's), (92, 1763), (121, 1805), (136, 1820), (140, 1838), (142, 1841), (188, 1937),

Gene: JigglyPuff_5 Start: 1776, Stop: 1985, Start Num: 100

Candidate Starts for JigglyPuff_5:

(Start: 80 @1722 has 4 MA's), (Start: 86 @1731 has 129 MA's), (Start: 94 @1767 has 4 MA's), (Start: 100 @1776 has 1 MA's), (140, 1827), (142, 1830), (188, 1926),

Gene: Job42_55 Start: 39394, Stop: 39636, Start Num: 85

Candidate Starts for Job42_55:

(32, 39280), (34, 39292), (50, 39328), (75, 39379), (Start: 85 @39394 has 71 MA's), (142, 39505),

Gene: JoeyJr_73 Start: 46692, Stop: 46919, Start Num: 86

Candidate Starts for JoeyJr_73:

(Start: 86 @46692 has 129 MA's), (143, 46791),

Gene: Jorgensen_69 Start: 42799, Stop: 42503, Start Num: 80

Candidate Starts for Jorgensen_69:

(Start: 80 @42799 has 4 MA's), (116, 42721), (134, 42694), (140, 42673), (142, 42670),

Gene: JuicyJay_141 Start: 79181, Stop: 79426, Start Num: 95

Candidate Starts for JuicyJay_141:

(37, 79046), (Start: 82 @79136 has 22 MA's), (Start: 95 @79181 has 33 MA's), (134, 79253), (136, 79256),

Gene: JuicyJay_87 Start: 57765, Stop: 58061, Start Num: 83

Candidate Starts for JuicyJay_87:

(Start: 83 @57765 has 86 MA's), (116, 57843), (134, 57870), (142, 57894),

Gene: Juniper1_50 Start: 36588, Stop: 36851, Start Num: 83

Candidate Starts for Juniper1_50:

(63, 36558), (Start: 83 @36588 has 86 MA's), (142, 36699), (190, 36819),

Gene: Kahve_53 Start: 47617, Stop: 47348, Start Num: 86

Candidate Starts for Kahve_53:

(22, 47776), (35, 47719), (49, 47692), (55, 47671), (57, 47665), (Start: 86 @47617 has 129 MA's), (92, 47593), (130, 47545), (133, 47539), (142, 47515), (196, 47359),

Gene: Kalah2_84 Start: 55924, Stop: 56220, Start Num: 83
Candidate Starts for Kalah2_84:
(Start: 83 @55924 has 86 MA's), (116, 56002), (134, 56029), (142, 56053),

Gene: Kalah2_136 Start: 76787, Stop: 77032, Start Num: 95
Candidate Starts for Kalah2_136:
(37, 76652), (Start: 82 @76742 has 22 MA's), (Start: 95 @76787 has 33 MA's), (134, 76859), (136, 76862),

Gene: Kamaru_71 Start: 43317, Stop: 43604, Start Num: 82
Candidate Starts for Kamaru_71:
(7, 42969), (8, 42972), (13, 43032), (24, 43176), (25, 43179), (74, 43305), (Start: 76 @43308 has 5 MA's), (Start: 82 @43317 has 22 MA's), (108, 43383), (140, 43449), (143, 43461),

Gene: Kamiyu_51 Start: 45383, Stop: 45114, Start Num: 83
Candidate Starts for Kamiyu_51:
(Start: 83 @45383 has 86 MA's), (Start: 103 @45329 has 1 MA's), (142, 45281),

Gene: Kari_52 Start: 36033, Stop: 36260, Start Num: 86
Candidate Starts for Kari_52:
(48, 35970), (Start: 86 @36033 has 129 MA's), (143, 36132),

Gene: KashFlow_144 Start: 76087, Stop: 76332, Start Num: 95
Candidate Starts for KashFlow_144:
(37, 75952), (Start: 82 @76042 has 22 MA's), (Start: 95 @76087 has 33 MA's), (134, 76159), (136, 76162),

Gene: Kenna_71 Start: 43390, Stop: 43677, Start Num: 82
Candidate Starts for Kenna_71:
(65, 43363), (Start: 76 @43381 has 5 MA's), (Start: 82 @43390 has 22 MA's), (108, 43456), (140, 43522), (143, 43534),

Gene: Kenuha5_50 Start: 36123, Stop: 36365, Start Num: 85
Candidate Starts for Kenuha5_50:
(44, 36039), (51, 36057), (71, 36099), (Start: 85 @36123 has 71 MA's), (142, 36234),

Gene: Kimberlium_67 Start: 43095, Stop: 43343, Start Num: 86
Candidate Starts for Kimberlium_67:
(Start: 86 @43095 has 129 MA's), (111, 43158), (142, 43200),

Gene: KingMidas_72 Start: 46106, Stop: 46333, Start Num: 86
Candidate Starts for KingMidas_72:
(Start: 86 @46106 has 129 MA's), (143, 46205),

Gene: Klein_90 Start: 55600, Stop: 55896, Start Num: 83
Candidate Starts for Klein_90:
(79, 55594), (Start: 83 @55600 has 86 MA's), (116, 55678), (134, 55705), (142, 55729),

Gene: Klein_143 Start: 75389, Stop: 75634, Start Num: 95
Candidate Starts for Klein_143:

(37, 75254), (Start: 82 @75344 has 22 MA's), (Start: 95 @75389 has 33 MA's), (134, 75461), (136, 75464),

Gene: Krakatau_50 Start: 36883, Stop: 37077, Start Num: 94

Candidate Starts for Krakatau_50:

(Start: 67 @36817 has 1 MA's), (Start: 85 @36847 has 71 MA's), (Start: 94 @36883 has 4 MA's), (140, 36943), (142, 36946),

Gene: KristaRAM_51 Start: 38223, Stop: 38468, Start Num: 85

Candidate Starts for KristaRAM_51:

(44, 38139), (51, 38157), (71, 38199), (Start: 85 @38223 has 71 MA's), (142, 38334),

Gene: Kronus_51 Start: 46457, Stop: 46188, Start Num: 83

Candidate Starts for Kronus_51:

(Start: 83 @46457 has 86 MA's), (Start: 103 @46403 has 1 MA's), (142, 46355), (196, 46199),

Gene: Kuwabara_76 Start: 45678, Stop: 45968, Start Num: 82

Candidate Starts for Kuwabara_76:

(Start: 76 @45669 has 5 MA's), (Start: 82 @45678 has 22 MA's), (108, 45744), (140, 45810), (143, 45822), (155, 45843), (163, 45849), (165, 45858),

Gene: Kwadwo_52 Start: 47069, Stop: 46776, Start Num: 86

Candidate Starts for Kwadwo_52:

(22, 47228), (35, 47171), (49, 47144), (55, 47123), (57, 47117), (Start: 86 @47069 has 129 MA's), (92, 47045), (130, 46997), (133, 46991), (142, 46967),

Gene: Langerak_53 Start: 36052, Stop: 36279, Start Num: 86

Candidate Starts for Langerak_53:

(48, 35989), (Start: 86 @36052 has 129 MA's), (143, 36151),

Gene: Lasso_53 Start: 47344, Stop: 47051, Start Num: 86

Candidate Starts for Lasso_53:

(22, 47503), (35, 47446), (49, 47419), (55, 47398), (57, 47392), (Start: 86 @47344 has 129 MA's), (92, 47320), (130, 47272), (133, 47266), (142, 47242),

Gene: Latretium_77 Start: 46947, Stop: 47177, Start Num: 107

Candidate Starts for Latretium_77:

(60, 46854), (91, 46911), (Start: 107 @46947 has 4 MA's), (140, 47007), (142, 47010),

Gene: LeeLot_53 Start: 47396, Stop: 47103, Start Num: 86

Candidate Starts for LeeLot_53:

(22, 47555), (35, 47498), (49, 47471), (55, 47450), (57, 47444), (Start: 86 @47396 has 129 MA's), (92, 47372), (130, 47324), (133, 47318), (142, 47294),

Gene: Legolas_55 Start: 48053, Stop: 47784, Start Num: 86

Candidate Starts for Legolas_55:

(22, 48212), (35, 48155), (49, 48128), (55, 48107), (57, 48101), (Start: 86 @48053 has 129 MA's), (92, 48029), (130, 47981), (133, 47975), (142, 47951), (196, 47795),

Gene: LeiMonet_55 Start: 47572, Stop: 47303, Start Num: 86

Candidate Starts for LeiMonet_55:

(22, 47731), (35, 47674), (55, 47626), (57, 47620), (Start: 86 @47572 has 129 MA's), (92, 47548), (130, 47500), (133, 47494), (142, 47470),

Gene: Leperchaun_71 Start: 45926, Stop: 46153, Start Num: 86

Candidate Starts for Leperchaun_71:

(Start: 86 @45926 has 129 MA's), (143, 46025),

Gene: Leroy_74 Start: 43665, Stop: 43955, Start Num: 82

Candidate Starts for Leroy_74:

(65, 43638), (Start: 76 @43656 has 5 MA's), (Start: 82 @43665 has 22 MA's), (108, 43731), (145, 43818), (158, 43836), (171, 43863),

Gene: Lilbit_7 Start: 2312, Stop: 2584, Start Num: 83

Candidate Starts for Lilbit_7:

(Start: 83 @2312 has 86 MA's), (117, 2375), (142, 2417),

Gene: LinStu_6 Start: 2738, Stop: 2995, Start Num: 86

Candidate Starts for LinStu_6:

(Start: 80 @2729 has 4 MA's), (Start: 86 @2738 has 129 MA's), (92, 2762), (121, 2804), (136, 2819), (140, 2837), (142, 2840), (188, 2936),

Gene: LitninMcQueen_77 Start: 44377, Stop: 44670, Start Num: 82

Candidate Starts for LitninMcQueen_77:

(Start: 76 @44368 has 5 MA's), (Start: 82 @44377 has 22 MA's), (106, 44440), (108, 44443), (158, 44548),

Gene: LolaVinca_6 Start: 1879, Stop: 2115, Start Num: 80

Candidate Starts for LolaVinca_6:

(Start: 80 @1879 has 4 MA's), (Start: 86 @1888 has 129 MA's), (Start: 94 @1924 has 4 MA's), (Start: 100 @1933 has 1 MA's), (142, 1987), (162, 2026),

Gene: Longacauda_54 Start: 48016, Stop: 47747, Start Num: 86

Candidate Starts for Longacauda_54:

(22, 48175), (35, 48118), (49, 48091), (55, 48070), (57, 48064), (Start: 86 @48016 has 129 MA's), (92, 47992), (130, 47944), (133, 47938), (142, 47914), (196, 47758),

Gene: LordLeafolot_6 Start: 1888, Stop: 2115, Start Num: 86

Candidate Starts for LordLeafolot_6:

(Start: 80 @1879 has 4 MA's), (Start: 86 @1888 has 129 MA's), (Start: 94 @1924 has 4 MA's), (Start: 100 @1933 has 1 MA's), (142, 1987), (162, 2026),

Gene: Lorde_53 Start: 35527, Stop: 35757, Start Num: 85

Candidate Starts for Lorde_53:

(65, 35494), (Start: 67 @35497 has 1 MA's), (Start: 85 @35527 has 71 MA's), (Start: 94 @35563 has 4 MA's), (140, 35623), (142, 35626),

Gene: Lton_54 Start: 33162, Stop: 33458, Start Num: 82

Candidate Starts for Lton_54:

(Start: 76 @33153 has 5 MA's), (Start: 82 @33162 has 22 MA's), (108, 33228), (140, 33294), (143, 33306), (158, 33333), (171, 33360),

Gene: Lucky10_55 Start: 35945, Stop: 36226, Start Num: 82

Candidate Starts for Lucky10_55:

(Start: 82 @35945 has 22 MA's), (Start: 99 @35993 has 1 MA's), (108, 36011), (122, 36032), (140, 36068), (143, 36080), (155, 36101), (163, 36107), (165, 36116),

Gene: Lucky2013_137 Start: 73141, Stop: 73386, Start Num: 95
Candidate Starts for Lucky2013_137:
(37, 73006), (73, 73081), (Start: 82 @73096 has 22 MA's), (Start: 95 @73141 has 33 MA's), (134, 73213), (136, 73216), (137, 73219),

Gene: Lucky2013_80 Start: 49269, Stop: 49000, Start Num: 83
Candidate Starts for Lucky2013_80:
(Start: 83 @49269 has 86 MA's), (Start: 103 @49215 has 1 MA's), (142, 49167),

Gene: Lumine_54 Start: 47804, Stop: 47535, Start Num: 86
Candidate Starts for Lumine_54:
(22, 47963), (35, 47906), (55, 47858), (57, 47852), (Start: 86 @47804 has 129 MA's), (92, 47780), (130, 47732), (133, 47726), (142, 47702),

Gene: Lutum_77 Start: 44553, Stop: 44840, Start Num: 82
Candidate Starts for Lutum_77:
(65, 44526), (Start: 76 @44544 has 5 MA's), (Start: 82 @44553 has 22 MA's), (108, 44619), (140, 44685), (143, 44697),

Gene: MadKillah_103 Start: 62045, Stop: 61815, Start Num: 103
Candidate Starts for MadKillah_103:
(Start: 82 @62096 has 22 MA's), (Start: 103 @62045 has 1 MA's), (109, 62033), (140, 61985), (142, 61982),

Gene: MadMen_62 Start: 41080, Stop: 41310, Start Num: 107
Candidate Starts for MadMen_62:
(91, 41044), (Start: 107 @41080 has 4 MA's), (140, 41140), (142, 41143),

Gene: MadMen_50 Start: 36869, Stop: 37144, Start Num: 83
Candidate Starts for MadMen_50:
(79, 36863), (Start: 83 @36869 has 86 MA's), (142, 36980),

Gene: Madiba_63 Start: 40537, Stop: 40815, Start Num: 83
Candidate Starts for Madiba_63:
(79, 40531), (Start: 83 @40537 has 86 MA's), (142, 40648),

Gene: Madiba_50 Start: 35664, Stop: 35894, Start Num: 85
Candidate Starts for Madiba_50:
(Start: 67 @35634 has 1 MA's), (Start: 85 @35664 has 71 MA's), (Start: 94 @35700 has 4 MA's), (140, 35760), (142, 35763),

Gene: Makemake_71 Start: 44586, Stop: 44317, Start Num: 83
Candidate Starts for Makemake_71:
(Start: 83 @44586 has 86 MA's), (Start: 103 @44532 has 1 MA's), (142, 44484),

Gene: Mana_52 Start: 47084, Stop: 46791, Start Num: 86
Candidate Starts for Mana_52:
(22, 47243), (35, 47186), (49, 47159), (55, 47138), (57, 47132), (Start: 86 @47084 has 129 MA's), (92, 47060), (130, 47012), (133, 47006), (142, 46982),

Gene: Maravista_54 Start: 38807, Stop: 39082, Start Num: 83
Candidate Starts for Maravista_54:

(63, 38777), (Start: 83 @38807 has 86 MA's), (142, 38918),

Gene: Marleymoo_128 Start: 73628, Stop: 73906, Start Num: 95

Candidate Starts for Marleymoo_128:

(37, 73493), (Start: 82 @73583 has 22 MA's), (Start: 95 @73628 has 33 MA's), (134, 73700), (136, 73703), (180, 73823),

Gene: Maroc7_64 Start: 43049, Stop: 42780, Start Num: 83

Candidate Starts for Maroc7_64:

(Start: 83 @43049 has 86 MA's), (Start: 103 @42995 has 1 MA's), (142, 42947),

Gene: Marsha_65 Start: 43596, Stop: 43360, Start Num: 85

Candidate Starts for Marsha_65:

(Start: 85 @43596 has 71 MA's), (Start: 107 @43536 has 4 MA's),

Gene: Maru_53 Start: 47523, Stop: 47254, Start Num: 86

Candidate Starts for Maru_53:

(22, 47682), (35, 47625), (49, 47598), (55, 47577), (57, 47571), (Start: 86 @47523 has 129 MA's), (92, 47499), (130, 47451), (133, 47445), (142, 47421),

Gene: Melissauren88_50 Start: 36304, Stop: 36534, Start Num: 85

Candidate Starts for Melissauren88_50:

(Start: 67 @36274 has 1 MA's), (Start: 85 @36304 has 71 MA's), (Start: 94 @36340 has 4 MA's), (140, 36400), (142, 36403),

Gene: Mesh1_54 Start: 47616, Stop: 47323, Start Num: 86

Candidate Starts for Mesh1_54:

(22, 47775), (35, 47718), (55, 47670), (57, 47664), (Start: 86 @47616 has 129 MA's), (92, 47592), (130, 47544), (133, 47538), (142, 47514),

Gene: MiaZeal_144 Start: 74280, Stop: 74525, Start Num: 95

Candidate Starts for MiaZeal_144:

(37, 74145), (73, 74220), (Start: 82 @74235 has 22 MA's), (Start: 95 @74280 has 33 MA's), (134, 74352), (136, 74355), (137, 74358),

Gene: MiaZeal_83 Start: 49925, Stop: 49656, Start Num: 83

Candidate Starts for MiaZeal_83:

(Start: 83 @49925 has 86 MA's), (Start: 103 @49871 has 1 MA's), (142, 49823),

Gene: MilleniumForce_52 Start: 38325, Stop: 38558, Start Num: 85

Candidate Starts for MilleniumForce_52:

(Start: 67 @38295 has 1 MA's), (Start: 85 @38325 has 71 MA's), (Start: 94 @38361 has 4 MA's), (140, 38421), (142, 38424),

Gene: Minerva_145 Start: 76838, Stop: 77116, Start Num: 95

Candidate Starts for Minerva_145:

(37, 76703), (Start: 82 @76793 has 22 MA's), (Start: 95 @76838 has 33 MA's), (134, 76910), (136, 76913), (145, 76955), (180, 77033),

Gene: Minerva_89 Start: 56566, Stop: 56844, Start Num: 83

Candidate Starts for Minerva_89:

(79, 56560), (Start: 83 @56566 has 86 MA's), (142, 56677),

Gene: MinionDave_51 Start: 36841, Stop: 37071, Start Num: 85

Candidate Starts for MinionDave_51:

(Start: 67 @36811 has 1 MA's), (Start: 85 @36841 has 71 MA's), (Start: 94 @36877 has 4 MA's), (140, 36937), (142, 36940),

Gene: MissRona_77 Start: 48142, Stop: 48381, Start Num: 98

Candidate Starts for MissRona_77:

(1, 47395), (2, 47401), (3, 47407), (4, 47452), (17, 47890), (19, 47917), (29, 47980), (36, 48004), (73, 48079), (Start: 78 @48088 has 1 MA's), (Start: 98 @48142 has 4 MA's), (114, 48169), (179, 48307), (188, 48328), (194, 48376),

Gene: MitKao_53 Start: 47094, Stop: 46801, Start Num: 86

Candidate Starts for MitKao_53:

(22, 47253), (35, 47196), (49, 47169), (55, 47148), (57, 47142), (Start: 86 @47094 has 129 MA's), (92, 47070), (130, 47022), (133, 47016), (142, 46992),

Gene: MmasiCarm_52 Start: 45904, Stop: 45635, Start Num: 83

Candidate Starts for MmasiCarm_52:

(Start: 83 @45904 has 86 MA's), (Start: 103 @45850 has 1 MA's), (142, 45802), (196, 45646),

Gene: Moonbeam_48 Start: 36361, Stop: 36591, Start Num: 85

Candidate Starts for Moonbeam_48:

(Start: 67 @36331 has 1 MA's), (Start: 85 @36361 has 71 MA's), (Start: 94 @36397 has 4 MA's), (140, 36457), (142, 36460),

Gene: Moosehead_58 Start: 34673, Stop: 34924, Start Num: 84

Candidate Starts for Moosehead_58:

(Start: 53 @34622 has 1 MA's), (56, 34631), (59, 34637), (61, 34640), (Start: 76 @34661 has 5 MA's), (Start: 78 @34664 has 1 MA's), (Start: 84 @34673 has 10 MA's), (145, 34805), (160, 34823),

Gene: Morgushi_53 Start: 47083, Stop: 46790, Start Num: 86

Candidate Starts for Morgushi_53:

(22, 47242), (35, 47185), (49, 47158), (55, 47137), (57, 47131), (Start: 86 @47083 has 129 MA's), (92, 47059), (130, 47011), (133, 47005), (142, 46981),

Gene: Morkie_59 Start: 36074, Stop: 36376, Start Num: 84

Candidate Starts for Morkie_59:

(45, 36002), (56, 36032), (68, 36050), (Start: 76 @36062 has 5 MA's), (Start: 78 @36065 has 1 MA's), (Start: 84 @36074 has 10 MA's), (Start: 99 @36122 has 1 MA's), (113, 36140), (127, 36161), (182, 36284),

Gene: Mortcellus_51 Start: 46511, Stop: 46242, Start Num: 83

Candidate Starts for Mortcellus_51:

(Start: 83 @46511 has 86 MA's), (Start: 103 @46457 has 1 MA's), (142, 46409), (196, 46253),

Gene: Mosaic_52 Start: 47088, Stop: 46795, Start Num: 86

Candidate Starts for Mosaic_52:

(22, 47247), (35, 47190), (49, 47163), (55, 47142), (57, 47136), (Start: 86 @47088 has 129 MA's), (92, 47064), (130, 47016), (133, 47010), (142, 46986),

Gene: Mova_53 Start: 36684, Stop: 36917, Start Num: 85

Candidate Starts for Mova_53:

(Start: 67 @36654 has 1 MA's), (Start: 85 @36684 has 71 MA's), (Start: 94 @36720 has 4 MA's), (140, 36780), (142, 36783),

Gene: Mova_66 Start: 41041, Stop: 41319, Start Num: 83
Candidate Starts for Mova_66:
(79, 41035), (Start: 83 @41041 has 86 MA's), (142, 41152),

Gene: Mozy_62 Start: 39946, Stop: 40173, Start Num: 86
Candidate Starts for Mozy_62:
(Start: 67 @39916 has 1 MA's), (Start: 86 @39946 has 129 MA's), (92, 39970), (123, 40012), (136, 40027), (140, 40045), (142, 40048), (157, 40078),

Gene: MrPhizzler_55 Start: 47550, Stop: 47281, Start Num: 86
Candidate Starts for MrPhizzler_55:
(22, 47709), (35, 47652), (49, 47625), (55, 47604), (57, 47598), (Start: 86 @47550 has 129 MA's), (92, 47526), (130, 47478), (133, 47472), (142, 47448),

Gene: MulchExplorer_66 Start: 43094, Stop: 43342, Start Num: 86
Candidate Starts for MulchExplorer_66:
(Start: 86 @43094 has 129 MA's), (111, 43157), (142, 43199),

Gene: Mule_62 Start: 41651, Stop: 41406, Start Num: 85
Candidate Starts for Mule_62:
(Start: 85 @41651 has 71 MA's), (Start: 100 @41609 has 1 MA's), (106, 41597), (108, 41594), (142, 41555), (145, 41537),

Gene: Mwanjiwa_58 Start: 37785, Stop: 38027, Start Num: 85
Candidate Starts for Mwanjiwa_58:
(Start: 67 @37755 has 1 MA's), (Start: 85 @37785 has 71 MA's), (142, 37896),

Gene: Nappy_5 Start: 1734, Stop: 1961, Start Num: 86
Candidate Starts for Nappy_5:
(Start: 80 @1725 has 4 MA's), (Start: 86 @1734 has 129 MA's), (Start: 94 @1770 has 4 MA's), (Start: 100 @1779 has 1 MA's), (142, 1833), (162, 1872),

Gene: Nazo_58 Start: 40075, Stop: 40302, Start Num: 86
Candidate Starts for Nazo_58:
(48, 40012), (Start: 86 @40075 has 129 MA's), (143, 40174), (187, 40237),

Gene: Neos5_51 Start: 46209, Stop: 45940, Start Num: 83
Candidate Starts for Neos5_51:
(Start: 83 @46209 has 86 MA's), (Start: 103 @46155 has 1 MA's), (142, 46107),

Gene: Nicole21_54 Start: 47889, Stop: 47620, Start Num: 86
Candidate Starts for Nicole21_54:
(22, 48048), (35, 47991), (49, 47964), (55, 47943), (57, 47937), (Start: 86 @47889 has 129 MA's), (92, 47865), (130, 47817), (133, 47811), (142, 47787), (196, 47631),

Gene: NihilNomen_147 Start: 77126, Stop: 77371, Start Num: 95
Candidate Starts for NihilNomen_147:
(37, 76991), (Start: 82 @77081 has 22 MA's), (Start: 95 @77126 has 33 MA's), (134, 77198), (136, 77201),

Gene: NihilNomen_91 Start: 56718, Stop: 57014, Start Num: 83
Candidate Starts for NihilNomen_91:
(Start: 83 @56718 has 86 MA's), (116, 56796), (134, 56823), (142, 56847),

Gene: Nimbo_65 Start: 44790, Stop: 45017, Start Num: 86
Candidate Starts for Nimbo_65:
(Start: 86 @44790 has 129 MA's), (143, 44889),

Gene: Nozo_51 Start: 46173, Stop: 45904, Start Num: 83
Candidate Starts for Nozo_51:
(Start: 83 @46173 has 86 MA's), (Start: 103 @46119 has 1 MA's), (142, 46071),

Gene: NuevoMundo_6 Start: 1876, Stop: 2112, Start Num: 80
Candidate Starts for NuevoMundo_6:
(Start: 80 @1876 has 4 MA's), (Start: 86 @1885 has 129 MA's), (Start: 94 @1921 has 4 MA's), (Start: 100 @1930 has 1 MA's), (142, 1984), (162, 2023),

Gene: ODay_82 Start: 46976, Stop: 47251, Start Num: 82
Candidate Starts for ODay_82:
(40, 46892), (48, 46904), (51, 46916), (71, 46958), (Start: 76 @46967 has 5 MA's), (Start: 82 @46976 has 22 MA's), (97, 47021), (109, 47036), (127, 47057), (145, 47099), (154, 47111),

Gene: Obutu_52 Start: 45859, Stop: 45590, Start Num: 83
Candidate Starts for Obutu_52:
(Start: 83 @45859 has 86 MA's), (Start: 103 @45805 has 1 MA's), (142, 45757), (196, 45601),

Gene: Odette_149 Start: 79269, Stop: 79514, Start Num: 95
Candidate Starts for Odette_149:
(37, 79134), (Start: 82 @79224 has 22 MA's), (Start: 95 @79269 has 33 MA's), (134, 79341), (136, 79344),

Gene: Odette_88 Start: 55760, Stop: 56056, Start Num: 83
Candidate Starts for Odette_88:
(Start: 83 @55760 has 86 MA's), (116, 55838), (134, 55865), (142, 55889),

Gene: Ogopogo_57 Start: 37928, Stop: 38170, Start Num: 85
Candidate Starts for Ogopogo_57:
(Start: 81 @37922 has 4 MA's), (Start: 85 @37928 has 71 MA's), (142, 38039),

Gene: Okabe_47 Start: 33316, Stop: 33510, Start Num: 94
Candidate Starts for Okabe_47:
(Start: 67 @33250 has 1 MA's), (Start: 85 @33280 has 71 MA's), (Start: 94 @33316 has 4 MA's), (140, 33376), (142, 33379),

Gene: OldBen_70 Start: 46182, Stop: 46409, Start Num: 86
Candidate Starts for OldBen_70:
(Start: 86 @46182 has 129 MA's), (143, 46281),

Gene: OneDirection_52 Start: 33066, Stop: 33362, Start Num: 82
Candidate Starts for OneDirection_52:
(65, 33039), (Start: 76 @33057 has 5 MA's), (Start: 82 @33066 has 22 MA's), (108, 33132), (145, 33219), (158, 33237), (171, 33264),

Gene: Oosterbaan_53 Start: 47374, Stop: 47081, Start Num: 86
Candidate Starts for Oosterbaan_53:
(22, 47533), (35, 47476), (49, 47449), (55, 47428), (57, 47422), (Start: 86 @47374 has 129 MA's), (92, 47350), (130, 47302), (133, 47296), (142, 47272),

Gene: Optimus_136 Start: 74406, Stop: 74651, Start Num: 95
Candidate Starts for Optimus_136:
(37, 74271), (73, 74346), (Start: 82 @74361 has 22 MA's), (Start: 95 @74406 has 33 MA's), (134, 74478), (136, 74481),

Gene: Optimus_84 Start: 55270, Stop: 55548, Start Num: 83
Candidate Starts for Optimus_84:
(79, 55264), (Start: 83 @55270 has 86 MA's), (142, 55381),

Gene: OrangeOswald_51 Start: 45414, Stop: 45145, Start Num: 83
Candidate Starts for OrangeOswald_51:
(Start: 83 @45414 has 86 MA's), (Start: 103 @45360 has 1 MA's), (142, 45312),

Gene: Orwigg_53 Start: 47574, Stop: 47305, Start Num: 86
Candidate Starts for Orwigg_53:
(22, 47733), (35, 47676), (49, 47649), (55, 47628), (57, 47622), (Start: 86 @47574 has 129 MA's), (92, 47550), (130, 47502), (133, 47496), (142, 47472), (196, 47316),

Gene: OwlsT2W_53 Start: 37646, Stop: 37888, Start Num: 85
Candidate Starts for OwlsT2W_53:
(Start: 67 @37616 has 1 MA's), (Start: 85 @37646 has 71 MA's), (140, 37754),

Gene: PHappiness_73 Start: 47011, Stop: 47238, Start Num: 86
Candidate Starts for PHappiness_73:
(Start: 86 @47011 has 129 MA's), (143, 47110),

Gene: PMC_49 Start: 37214, Stop: 37471, Start Num: 85
Candidate Starts for PMC_49:
(32, 37100), (34, 37112), (50, 37148), (75, 37199), (Start: 85 @37214 has 71 MA's), (142, 37325), (150, 37355),

Gene: Paraselene_66 Start: 43378, Stop: 43109, Start Num: 83
Candidate Starts for Paraselene_66:
(Start: 83 @43378 has 86 MA's), (Start: 103 @43324 has 1 MA's), (142, 43276),

Gene: Pepperoni_52 Start: 34463, Stop: 34750, Start Num: 82
Candidate Starts for Pepperoni_52:
(74, 34451), (Start: 76 @34454 has 5 MA's), (Start: 82 @34463 has 22 MA's), (108, 34529), (140, 34595), (143, 34607),

Gene: Periwinkle_62 Start: 38089, Stop: 38367, Start Num: 90
Candidate Starts for Periwinkle_62:
(Start: 90 @38089 has 1 MA's), (142, 38185), (168, 38251), (192, 38329),

Gene: Phabuloso_81 Start: 45523, Stop: 45816, Start Num: 82
Candidate Starts for Phabuloso_81:
(65, 45496), (Start: 76 @45514 has 5 MA's), (Start: 82 @45523 has 22 MA's), (108, 45589), (144, 45676), (194, 45799),

Gene: Phalconet_51 Start: 36608, Stop: 36838, Start Num: 85
Candidate Starts for Phalconet_51:
(Start: 67 @36578 has 1 MA's), (Start: 85 @36608 has 71 MA's), (Start: 94 @36644 has 4 MA's), (140, 36704), (142, 36707),

Gene: Phanphagia_47 Start: 36555, Stop: 36800, Start Num: 85
Candidate Starts for Phanphagia_47:
(58, 36510), (71, 36531), (Start: 85 @36555 has 71 MA's), (142, 36666),

Gene: PhaoMing_61 Start: 40801, Stop: 41079, Start Num: 74
Candidate Starts for PhaoMing_61:
(74, 40801), (Start: 76 @40804 has 5 MA's), (Start: 82 @40813 has 22 MA's), (131, 40885),

Gene: PharkleMinkus_6 Start: 1924, Stop: 2115, Start Num: 94
Candidate Starts for PharkleMinkus_6:
(Start: 80 @1879 has 4 MA's), (Start: 86 @1888 has 129 MA's), (Start: 94 @1924 has 4 MA's), (Start: 100 @1933 has 1 MA's), (142, 1987), (162, 2026),

Gene: Phasih_51 Start: 37693, Stop: 37935, Start Num: 85
Candidate Starts for Phasih_51:
(Start: 81 @37687 has 4 MA's), (Start: 85 @37693 has 71 MA's), (142, 37804),

Gene: Phayeta_53 Start: 45741, Stop: 45472, Start Num: 83
Candidate Starts for Phayeta_53:
(Start: 83 @45741 has 86 MA's), (Start: 103 @45687 has 1 MA's), (142, 45639), (196, 45483),

Gene: Phayonce_59 Start: 40788, Stop: 41024, Start Num: 96
Candidate Starts for Phayonce_59:
(25, 40608), (Start: 96 @40788 has 1 MA's), (140, 40881), (160, 40929), (181, 40959), (191, 40989), (194, 41010),

Gene: PherrisBueller_66 Start: 41317, Stop: 41090, Start Num: 86
Candidate Starts for PherrisBueller_66:
(Start: 86 @41317 has 129 MA's), (142, 41257),

Gene: PhesterPhotato_75 Start: 45749, Stop: 45976, Start Num: 86
Candidate Starts for PhesterPhotato_75:
(48, 45686), (Start: 86 @45749 has 129 MA's), (143, 45848),

Gene: PhesterPhotato_54 Start: 37593, Stop: 37826, Start Num: 85
Candidate Starts for PhesterPhotato_54:
(Start: 67 @37563 has 1 MA's), (Start: 85 @37593 has 71 MA's), (Start: 94 @37629 has 4 MA's), (140, 37689), (142, 37692),

Gene: Philly_50 Start: 45265, Stop: 44996, Start Num: 83
Candidate Starts for Philly_50:
(Start: 83 @45265 has 86 MA's), (Start: 103 @45211 has 1 MA's), (142, 45163),

Gene: Phistory_72 Start: 42511, Stop: 42852, Start Num: 76
Candidate Starts for Phistory_72:
(30, 42406), (52, 42466), (Start: 76 @42511 has 5 MA's), (108, 42589), (140, 42655), (164, 42718),

Gene: Phlyer_51 Start: 46154, Stop: 45885, Start Num: 83
Candidate Starts for Phlyer_51:
(Start: 83 @46154 has 86 MA's), (Start: 103 @46100 has 1 MA's), (142, 46052),

Gene: Phoebus_92 Start: 57900, Stop: 58196, Start Num: 83
Candidate Starts for Phoebus_92:
(Start: 83 @57900 has 86 MA's), (116, 57978), (134, 58005), (142, 58029),

Gene: Phoebus_145 Start: 79020, Stop: 79265, Start Num: 95
Candidate Starts for Phoebus_145:
(37, 78885), (73, 78960), (Start: 82 @78975 has 22 MA's), (Start: 95 @79020 has 33 MA's), (134, 79092), (136, 79095),

Gene: PhorbesPhlower_55 Start: 35141, Stop: 35443, Start Num: 84
Candidate Starts for PhorbesPhlower_55:
(45, 35069), (56, 35099), (68, 35117), (Start: 76 @35129 has 5 MA's), (Start: 78 @35132 has 1 MA's),
(Start: 84 @35141 has 10 MA's), (Start: 99 @35189 has 1 MA's), (113, 35207), (127, 35228), (182, 35351),

Gene: PhrostyMug_65 Start: 43825, Stop: 43580, Start Num: 85
Candidate Starts for PhrostyMug_65:
(Start: 85 @43825 has 71 MA's), (Start: 100 @43783 has 1 MA's), (106, 43771), (108, 43768), (142, 43729), (145, 43711),

Gene: Pier_6 Start: 1888, Stop: 2115, Start Num: 86
Candidate Starts for Pier_6:
(Start: 80 @1879 has 4 MA's), (Start: 86 @1888 has 129 MA's), (Start: 94 @1924 has 4 MA's), (Start: 100 @1933 has 1 MA's), (142, 1987), (162, 2026),

Gene: Poenanya_76 Start: 46880, Stop: 47107, Start Num: 86
Candidate Starts for Poenanya_76:
(Start: 86 @46880 has 129 MA's), (143, 46979),

Gene: Poenanya_52 Start: 38179, Stop: 38421, Start Num: 85
Candidate Starts for Poenanya_52:
(Start: 67 @38149 has 1 MA's), (Start: 85 @38179 has 71 MA's), (140, 38287),

Gene: Polka14_77 Start: 47670, Stop: 47897, Start Num: 86
Candidate Starts for Polka14_77:
(Start: 86 @47670 has 129 MA's), (143, 47769),

Gene: Polka14_51 Start: 36782, Stop: 37027, Start Num: 85
Candidate Starts for Polka14_51:
(Start: 85 @36782 has 71 MA's), (140, 36890),

Gene: Polkaroo_55 Start: 37375, Stop: 37602, Start Num: 86
Candidate Starts for Polkaroo_55:
(48, 37312), (Start: 86 @37375 has 129 MA's), (143, 37474),

Gene: Pollywog_50 Start: 37066, Stop: 37320, Start Num: 86
Candidate Starts for Pollywog_50:
(Start: 53 @37018 has 1 MA's), (64, 37042), (Start: 86 @37066 has 129 MA's), (142, 37177),

Gene: Porcelain_141 Start: 74087, Stop: 74332, Start Num: 95
Candidate Starts for Porcelain_141:
(37, 73952), (73, 74027), (Start: 82 @74042 has 22 MA's), (Start: 95 @74087 has 33 MA's), (134, 74159), (136, 74162), (137, 74165),

Gene: Porcelain_82 Start: 49925, Stop: 49656, Start Num: 83
Candidate Starts for Porcelain_82:
(Start: 83 @49925 has 86 MA's), (Start: 103 @49871 has 1 MA's), (142, 49823),

Gene: Potter_52 Start: 47105, Stop: 46812, Start Num: 86
Candidate Starts for Potter_52:
(22, 47264), (35, 47207), (49, 47180), (55, 47159), (57, 47153), (Start: 86 @47105 has 129 MA's), (92, 47081), (130, 47033), (133, 47027), (142, 47003),

Gene: Pound_137 Start: 76839, Stop: 77084, Start Num: 95
Candidate Starts for Pound_137:
(37, 76704), (73, 76779), (Start: 82 @76794 has 22 MA's), (Start: 95 @76839 has 33 MA's), (134, 76911), (136, 76914),

Gene: Pringar_6 Start: 1866, Stop: 2138, Start Num: 83
Candidate Starts for Pringar_6:
(Start: 83 @1866 has 86 MA's), (117, 1929), (142, 1971),

Gene: Puhltonio_53 Start: 47379, Stop: 47086, Start Num: 86
Candidate Starts for Puhltonio_53:
(22, 47538), (35, 47481), (49, 47454), (55, 47433), (57, 47427), (Start: 86 @47379 has 129 MA's), (92, 47355), (130, 47307), (133, 47301), (142, 47277),

Gene: Pupusa_6 Start: 1924, Stop: 2115, Start Num: 94
Candidate Starts for Pupusa_6:
(Start: 80 @1879 has 4 MA's), (Start: 86 @1888 has 129 MA's), (Start: 94 @1924 has 4 MA's), (Start: 100 @1933 has 1 MA's), (142, 1987), (162, 2026),

Gene: Purky_63 Start: 41280, Stop: 41552, Start Num: 86
Candidate Starts for Purky_63:
(Start: 86 @41280 has 129 MA's), (89, 41295), (132, 41364), (140, 41388), (151, 41421), (160, 41439), (191, 41517), (194, 41538),

Gene: Purky_64 Start: 41545, Stop: 41862, Start Num: 86
Candidate Starts for Purky_64:
(20, 41383), (Start: 76 @41530 has 5 MA's), (Start: 86 @41545 has 129 MA's), (140, 41677), (188, 41794), (194, 41848),

Gene: QueenBeane_53 Start: 47369, Stop: 47076, Start Num: 86
Candidate Starts for QueenBeane_53:
(22, 47528), (35, 47471), (49, 47444), (55, 47423), (57, 47417), (Start: 86 @47369 has 129 MA's), (92, 47345), (130, 47297), (133, 47291), (142, 47267),

Gene: QuickMath_66 Start: 43318, Stop: 43566, Start Num: 86
Candidate Starts for QuickMath_66:
(Start: 86 @43318 has 129 MA's), (111, 43381), (142, 43423),

Gene: Raid_64 Start: 42642, Stop: 42373, Start Num: 83

Candidate Starts for Raid_64:

(Start: 83 @42642 has 86 MA's), (Start: 103 @42588 has 1 MA's), (142, 42540),

Gene: Rando14_64 Start: 42240, Stop: 42497, Start Num: 81

Candidate Starts for Rando14_64:

(Start: 67 @42219 has 1 MA's), (Start: 81 @42240 has 4 MA's), (111, 42300), (141, 42360), (152, 42390), (181, 42435),

Gene: RedBird_74 Start: 45372, Stop: 45599, Start Num: 86

Candidate Starts for RedBird_74:

(Start: 86 @45372 has 129 MA's), (143, 45471),

Gene: Redno2_140 Start: 75128, Stop: 75373, Start Num: 95

Candidate Starts for Redno2_140:

(37, 74993), (Start: 82 @75083 has 22 MA's), (Start: 95 @75128 has 33 MA's), (134, 75200), (136, 75203),

Gene: Renaud18_58 Start: 38221, Stop: 38445, Start Num: 85

Candidate Starts for Renaud18_58:

(Start: 67 @38191 has 1 MA's), (Start: 85 @38221 has 71 MA's), (Start: 94 @38254 has 4 MA's), (Start: 107 @38278 has 4 MA's), (140, 38311),

Gene: Renaud18_70 Start: 41973, Stop: 42221, Start Num: 86

Candidate Starts for Renaud18_70:

(69, 41946), (Start: 86 @41973 has 129 MA's), (140, 42069), (147, 42093), (166, 42126),

Gene: Renaud18_71 Start: 42261, Stop: 42503, Start Num: 85

Candidate Starts for Renaud18_71:

(Start: 85 @42261 has 71 MA's), (89, 42276), (142, 42354), (175, 42414),

Gene: Rimu_54 Start: 47570, Stop: 47301, Start Num: 86

Candidate Starts for Rimu_54:

(22, 47729), (35, 47672), (49, 47645), (55, 47624), (57, 47618), (Start: 86 @47570 has 129 MA's), (92, 47546), (130, 47498), (133, 47492), (142, 47468),

Gene: Rita1961_52 Start: 45860, Stop: 45591, Start Num: 83

Candidate Starts for Rita1961_52:

(Start: 83 @45860 has 86 MA's), (Start: 103 @45806 has 1 MA's), (142, 45758), (196, 45602),

Gene: RitaG_73 Start: 46813, Stop: 47040, Start Num: 86

Candidate Starts for RitaG_73:

(Start: 86 @46813 has 129 MA's), (143, 46912),

Gene: Rizz_60 Start: 40479, Stop: 40724, Start Num: 84

Candidate Starts for Rizz_60:

(Start: 84 @40479 has 10 MA's), (Start: 94 @40518 has 4 MA's), (179, 40668),

Gene: Rockne_53 Start: 37214, Stop: 37471, Start Num: 85

Candidate Starts for Rockne_53:

(32, 37100), (34, 37112), (50, 37148), (75, 37199), (Start: 85 @37214 has 71 MA's), (142, 37325), (150, 37355),

Gene: RockyHorror_53 Start: 37057, Stop: 37299, Start Num: 85

Candidate Starts for RockyHorror_53:

(Start: 67 @37027 has 1 MA's), (Start: 85 @37057 has 71 MA's), (142, 37168),

Gene: Royals2015_55 Start: 37315, Stop: 37545, Start Num: 85

Candidate Starts for Royals2015_55:

(Start: 67 @37285 has 1 MA's), (Start: 85 @37315 has 71 MA's), (Start: 94 @37351 has 4 MA's), (140, 37411), (142, 37414),

Gene: Ryadel_103 Start: 62455, Stop: 62225, Start Num: 107

Candidate Starts for Ryadel_103:

(91, 62491), (Start: 107 @62455 has 4 MA's), (140, 62395), (142, 62392),

Gene: SG4_69 Start: 43478, Stop: 43705, Start Num: 86

Candidate Starts for SG4_69:

(Start: 86 @43478 has 129 MA's), (143, 43577),

Gene: SG4_49 Start: 36037, Stop: 36267, Start Num: 85

Candidate Starts for SG4_49:

(65, 36004), (Start: 67 @36007 has 1 MA's), (Start: 85 @36037 has 71 MA's), (Start: 94 @36073 has 4 MA's), (140, 36133), (142, 36136),

Gene: Samaymay_53 Start: 47369, Stop: 47076, Start Num: 86

Candidate Starts for Samaymay_53:

(22, 47528), (35, 47471), (49, 47444), (55, 47423), (57, 47417), (Start: 86 @47369 has 129 MA's), (92, 47345), (130, 47297), (133, 47291), (142, 47267),

Gene: Samman98_60 Start: 39796, Stop: 40041, Start Num: 84

Candidate Starts for Samman98_60:

(Start: 84 @39796 has 10 MA's), (Start: 94 @39835 has 4 MA's), (179, 39985),

Gene: Sassafras_74 Start: 45702, Stop: 45929, Start Num: 86

Candidate Starts for Sassafras_74:

(Start: 86 @45702 has 129 MA's), (143, 45801),

Gene: Sassafras_50 Start: 36161, Stop: 36394, Start Num: 86

Candidate Starts for Sassafras_50:

(Start: 67 @36131 has 1 MA's), (Start: 86 @36161 has 129 MA's), (92, 36185), (123, 36227), (136, 36242), (140, 36260), (142, 36263),

Gene: SassyCat97_52 Start: 47096, Stop: 46803, Start Num: 86

Candidate Starts for SassyCat97_52:

(22, 47255), (35, 47198), (49, 47171), (55, 47150), (57, 47144), (Start: 86 @47096 has 129 MA's), (92, 47072), (130, 47024), (133, 47018), (142, 46994),

Gene: Schatzie_85 Start: 55507, Stop: 55803, Start Num: 83

Candidate Starts for Schatzie_85:

(Start: 83 @55507 has 86 MA's), (116, 55585), (134, 55612), (142, 55636),

Gene: Schatzie_141 Start: 77688, Stop: 77933, Start Num: 95

Candidate Starts for Schatzie_141:

(37, 77553), (73, 77628), (Start: 82 @77643 has 22 MA's), (Start: 95 @77688 has 33 MA's), (134, 77760), (136, 77763),

Gene: Scottish_71 Start: 45361, Stop: 45588, Start Num: 86

Candidate Starts for Scottish_71:

(Start: 86 @45361 has 129 MA's), (143, 45460),

Gene: Sebata_6 Start: 2738, Stop: 2995, Start Num: 86

Candidate Starts for Sebata_6:

(Start: 80 @2729 has 4 MA's), (Start: 86 @2738 has 129 MA's), (92, 2762), (121, 2804), (136, 2819), (140, 2837), (142, 2840), (188, 2936),

Gene: Serendipity_53 Start: 47393, Stop: 47100, Start Num: 86

Candidate Starts for Serendipity_53:

(22, 47552), (35, 47495), (49, 47468), (55, 47447), (57, 47441), (Start: 86 @47393 has 129 MA's), (92, 47369), (130, 47321), (133, 47315), (142, 47291),

Gene: Shauna1_47 Start: 36503, Stop: 36781, Start Num: 83

Candidate Starts for Shauna1_47:

(39, 36419), (49, 36437), (66, 36479), (Start: 83 @36503 has 86 MA's), (142, 36614),

Gene: ShawBrad_81 Start: 44287, Stop: 44574, Start Num: 82

Candidate Starts for ShawBrad_81:

(21, 44134), (34, 44191), (43, 44209), (Start: 76 @44278 has 5 MA's), (Start: 82 @44287 has 22 MA's), (108, 44353), (140, 44419), (143, 44431),

Gene: ShroomBoi_52 Start: 36993, Stop: 37238, Start Num: 85

Candidate Starts for ShroomBoi_52:

(44, 36909), (51, 36927), (71, 36969), (Start: 85 @36993 has 71 MA's), (142, 37104),

Gene: SirHarley_86 Start: 60117, Stop: 60344, Start Num: 85

Candidate Starts for SirHarley_86:

(28, 59994), (Start: 85 @60117 has 71 MA's), (Start: 94 @60153 has 4 MA's), (Start: 100 @60162 has 1 MA's), (142, 60216),

Gene: Sixama_7 Start: 2706, Stop: 2383, Start Num: 78

Candidate Starts for Sixama_7:

(Start: 78 @2706 has 1 MA's), (Start: 99 @2649 has 1 MA's), (119, 2619), (136, 2592), (168, 2502),

Gene: Smairt_67 Start: 44819, Stop: 44574, Start Num: 85

Candidate Starts for Smairt_67:

(Start: 85 @44819 has 71 MA's), (Start: 100 @44777 has 1 MA's), (106, 44765), (108, 44762), (142, 44723), (145, 44705),

Gene: Soile_54 Start: 47617, Stop: 47348, Start Num: 86

Candidate Starts for Soile_54:

(22, 47776), (35, 47719), (49, 47692), (55, 47671), (57, 47665), (Start: 86 @47617 has 129 MA's), (92, 47593), (130, 47545), (133, 47539), (142, 47515), (196, 47359),

Gene: Solosis_52 Start: 47090, Stop: 46797, Start Num: 86

Candidate Starts for Solosis_52:

(22, 47249), (35, 47192), (49, 47165), (55, 47144), (57, 47138), (Start: 86 @47090 has 129 MA's), (92, 47066), (130, 47018), (133, 47012), (142, 46988),

Gene: Sophia_52 Start: 47084, Stop: 46791, Start Num: 86

Candidate Starts for Sophia_52:

(22, 47243), (35, 47186), (49, 47159), (55, 47138), (57, 47132), (Start: 86 @47084 has 129 MA's), (92, 47060), (130, 47012), (133, 47006), (142, 46982),

Gene: Sparkdehlily_60 Start: 38797, Stop: 39039, Start Num: 85

Candidate Starts for Sparkdehlily_60:

(Start: 81 @38791 has 4 MA's), (Start: 85 @38797 has 71 MA's), (142, 38908),

Gene: Specks_6 Start: 1888, Stop: 2115, Start Num: 86

Candidate Starts for Specks_6:

(Start: 80 @1879 has 4 MA's), (Start: 86 @1888 has 129 MA's), (Start: 94 @1924 has 4 MA's), (Start: 100 @1933 has 1 MA's), (142, 1987), (162, 2026),

Gene: Spikelee_42 Start: 31774, Stop: 31466, Start Num: 70

Candidate Starts for Spikelee_42:

(38, 31840), (40, 31837), (41, 31834), (62, 31789), (Start: 70 @31774 has 1 MA's), (77, 31762), (Start: 87 @31747 has 1 MA's), (110, 31687), (134, 31645), (140, 31621), (160, 31573),

Gene: Spooky_78 Start: 45719, Stop: 45976, Start Num: 84

Candidate Starts for Spooky_78:

(Start: 84 @45719 has 10 MA's), (93, 45749), (Start: 94 @45758 has 4 MA's), (112, 45782),

Gene: Squid_53 Start: 47096, Stop: 46803, Start Num: 86

Candidate Starts for Squid_53:

(22, 47255), (35, 47198), (49, 47171), (55, 47150), (57, 47144), (Start: 86 @47096 has 129 MA's), (92, 47072), (130, 47024), (133, 47018), (142, 46994),

Gene: Squint_83 Start: 50044, Stop: 49775, Start Num: 83

Candidate Starts for Squint_83:

(Start: 83 @50044 has 86 MA's), (Start: 103 @49990 has 1 MA's), (142, 49942),

Gene: Stellammi_132 Start: 62378, Stop: 62599, Start Num: 86

Candidate Starts for Stellammi_132:

(Start: 86 @62378 has 129 MA's), (149, 62471),

Gene: StephanieG_6 Start: 1933, Stop: 2115, Start Num: 100

Candidate Starts for StephanieG_6:

(Start: 80 @1879 has 4 MA's), (Start: 86 @1888 has 129 MA's), (Start: 94 @1924 has 4 MA's), (Start: 100 @1933 has 1 MA's), (142, 1987), (162, 2026),

Gene: Sunshine924_70 Start: 43095, Stop: 42850, Start Num: 85

Candidate Starts for Sunshine924_70:

(Start: 85 @43095 has 71 MA's), (Start: 100 @43053 has 1 MA's), (106, 43041), (108, 43038), (142, 42999), (145, 42981),

Gene: SuperGrey_52 Start: 37962, Stop: 38207, Start Num: 85

Candidate Starts for SuperGrey_52:

(44, 37878), (51, 37896), (71, 37938), (Start: 85 @37962 has 71 MA's), (142, 38073),

Gene: Surely_53 Start: 47386, Stop: 47093, Start Num: 86

Candidate Starts for Surely_53:

(22, 47545), (35, 47488), (49, 47461), (55, 47440), (57, 47434), (Start: 86 @47386 has 129 MA's), (92, 47362), (130, 47314), (133, 47308), (142, 47284),

Gene: SwainyDoc_52 Start: 45872, Stop: 45603, Start Num: 83
Candidate Starts for SwainyDoc_52:
(Start: 83 @45872 has 86 MA's), (Start: 103 @45818 has 1 MA's), (142, 45770), (196, 45614),

Gene: SynergyX_51 Start: 45415, Stop: 45146, Start Num: 83
Candidate Starts for SynergyX_51:
(Start: 83 @45415 has 86 MA's), (Start: 103 @45361 has 1 MA's), (142, 45313),

Gene: TDanisky_60 Start: 38797, Stop: 39039, Start Num: 85
Candidate Starts for TDanisky_60:
(Start: 81 @38791 has 4 MA's), (Start: 85 @38797 has 71 MA's), (142, 38908),

Gene: Tainan_6 Start: 1924, Stop: 2115, Start Num: 94
Candidate Starts for Tainan_6:
(Start: 80 @1879 has 4 MA's), (Start: 86 @1888 has 129 MA's), (Start: 94 @1924 has 4 MA's), (Start: 100 @1933 has 1 MA's), (142, 1987), (162, 2026),

Gene: Taj_56 Start: 38142, Stop: 38369, Start Num: 85
Candidate Starts for Taj_56:
(Start: 67 @38112 has 1 MA's), (Start: 85 @38142 has 71 MA's), (Start: 94 @38175 has 4 MA's),
(Start: 107 @38199 has 4 MA's), (140, 38232),

Gene: TallGrassMM_53 Start: 47000, Stop: 46707, Start Num: 86
Candidate Starts for TallGrassMM_53:
(22, 47159), (35, 47102), (49, 47075), (55, 47054), (57, 47048), (Start: 86 @47000 has 129 MA's), (92, 46976), (130, 46928), (133, 46922), (142, 46898),

Gene: Tarzan_58 Start: 37656, Stop: 37880, Start Num: 81
Candidate Starts for Tarzan_58:
(Start: 81 @37656 has 4 MA's), (97, 37692), (159, 37785), (186, 37833),

Gene: Thibault_128 Start: 74023, Stop: 74301, Start Num: 95
Candidate Starts for Thibault_128:
(37, 73888), (Start: 82 @73978 has 22 MA's), (Start: 95 @74023 has 33 MA's), (134, 74095), (136, 74098), (145, 74140), (175, 74206), (180, 74218),

Gene: Thora_53 Start: 47382, Stop: 47089, Start Num: 86
Candidate Starts for Thora_53:
(22, 47541), (35, 47484), (49, 47457), (55, 47436), (57, 47430), (Start: 86 @47382 has 129 MA's), (92, 47358), (130, 47310), (133, 47304), (142, 47280),

Gene: ThreeRngTarjay_140 Start: 77611, Stop: 77856, Start Num: 95
Candidate Starts for ThreeRngTarjay_140:
(37, 77476), (73, 77551), (Start: 82 @77566 has 22 MA's), (Start: 95 @77611 has 33 MA's), (134, 77683), (136, 77686),

Gene: ThreeRngTarjay_87 Start: 56792, Stop: 57088, Start Num: 83
Candidate Starts for ThreeRngTarjay_87:
(Start: 83 @56792 has 86 MA's), (116, 56870), (134, 56897), (142, 56921),

Gene: Timmi_52 Start: 47085, Stop: 46792, Start Num: 86
Candidate Starts for Timmi_52:

(22, 47244), (35, 47187), (49, 47160), (55, 47139), (57, 47133), (Start: 86 @47085 has 129 MA's), (92, 47061), (130, 47013), (133, 47007), (142, 46983),

Gene: TinyTerror_52 Start: 45907, Stop: 45638, Start Num: 83

Candidate Starts for TinyTerror_52:

(Start: 83 @45907 has 86 MA's), (Start: 103 @45853 has 1 MA's), (142, 45805), (196, 45649),

Gene: TomBombadil_53 Start: 47370, Stop: 47077, Start Num: 86

Candidate Starts for TomBombadil_53:

(22, 47529), (35, 47472), (49, 47445), (55, 47424), (57, 47418), (Start: 86 @47370 has 129 MA's), (92, 47346), (130, 47298), (133, 47292), (142, 47268),

Gene: Tonenili_49 Start: 15568, Stop: 15810, Start Num: 86

Candidate Starts for Tonenili_49:

(74, 15550), (Start: 86 @15568 has 129 MA's), (92, 15592), (123, 15634), (136, 15649), (142, 15670), (156, 15700), (173, 15718), (186, 15739),

Gene: Tonenili_50 Start: 15803, Stop: 16036, Start Num: 86

Candidate Starts for Tonenili_50:

(77, 15797), (Start: 86 @15803 has 129 MA's), (Start: 94 @15839 has 4 MA's), (124, 15875), (140, 15896), (184, 15962), (187, 15971),

Gene: Topiatin_58 Start: 38825, Stop: 39058, Start Num: 85

Candidate Starts for Topiatin_58:

(Start: 67 @38795 has 1 MA's), (Start: 85 @38825 has 71 MA's), (105, 38879), (142, 38927),

Gene: Toron_84 Start: 50886, Stop: 51176, Start Num: 86

Candidate Starts for Toron_84:

(54, 50841), (Start: 86 @50886 has 129 MA's), (89, 50901), (92, 50910), (140, 51018), (183, 51111), (194, 51162),

Gene: Trine_55 Start: 39935, Stop: 39684, Start Num: 86

Candidate Starts for Trine_55:

(Start: 86 @39935 has 129 MA's), (135, 39860), (167, 39788),

Gene: Troll4_84 Start: 59937, Stop: 60161, Start Num: 85

Candidate Starts for Troll4_84:

(28, 59811), (31, 59820), (Start: 85 @59937 has 71 MA's), (140, 60033), (149, 60060), (189, 60111),

Gene: Tweety_52 Start: 37774, Stop: 38004, Start Num: 85

Candidate Starts for Tweety_52:

(Start: 67 @37744 has 1 MA's), (Start: 85 @37774 has 71 MA's), (Start: 94 @37810 has 4 MA's), (140, 37870), (142, 37873),

Gene: Tyke_6 Start: 1888, Stop: 2115, Start Num: 86

Candidate Starts for Tyke_6:

(Start: 80 @1879 has 4 MA's), (Start: 86 @1888 has 129 MA's), (Start: 94 @1924 has 4 MA's), (Start: 100 @1933 has 1 MA's), (142, 1987), (162, 2026),

Gene: VRedHorse_52 Start: 36525, Stop: 36758, Start Num: 85

Candidate Starts for VRedHorse_52:

(Start: 67 @36495 has 1 MA's), (Start: 85 @36525 has 71 MA's), (Start: 94 @36561 has 4 MA's), (140, 36621), (142, 36624),

Gene: VanLee_73 Start: 43882, Stop: 44154, Start Num: 86
Candidate Starts for VanLee_73:
(Start: 86 @43882 has 129 MA's), (125, 43969), (136, 43987), (153, 44041),

Gene: VanLee_59 Start: 39559, Stop: 39819, Start Num: 86
Candidate Starts for VanLee_59:
(Start: 86 @39559 has 129 MA's),

Gene: VasuNzinga_8 Start: 2535, Stop: 2807, Start Num: 83
Candidate Starts for VasuNzinga_8:
(Start: 83 @2535 has 86 MA's), (117, 2598), (142, 2640),

Gene: Venti_53 Start: 36036, Stop: 36263, Start Num: 86
Candidate Starts for Venti_53:
(48, 35973), (Start: 86 @36036 has 129 MA's), (143, 36135),

Gene: Vortex_53 Start: 47080, Stop: 46787, Start Num: 86
Candidate Starts for Vortex_53:
(22, 47239), (35, 47182), (49, 47155), (55, 47134), (57, 47128), (Start: 86 @47080 has 129 MA's), (92, 47056), (130, 47008), (133, 47002), (142, 46978),

Gene: Vortrix_51 Start: 15836, Stop: 16081, Start Num: 86
Candidate Starts for Vortrix_51:
(74, 15818), (Start: 86 @15836 has 129 MA's), (92, 15860), (123, 15902), (136, 15917), (142, 15938), (156, 15968), (173, 15986), (186, 16007),

Gene: Vortrix_52 Start: 16078, Stop: 16320, Start Num: 86
Candidate Starts for Vortrix_52:
(27, 15955), (Start: 86 @16078 has 129 MA's), (124, 16153), (140, 16180), (184, 16246), (187, 16255),

Gene: Wanda_94 Start: 55909, Stop: 56205, Start Num: 83
Candidate Starts for Wanda_94:
(79, 55903), (Start: 83 @55909 has 86 MA's), (116, 55987), (134, 56014), (142, 56038),

Gene: Wanda_145 Start: 75318, Stop: 75596, Start Num: 95
Candidate Starts for Wanda_145:
(37, 75183), (Start: 82 @75273 has 22 MA's), (Start: 95 @75318 has 33 MA's), (134, 75390), (136, 75393), (145, 75435), (180, 75513),

Gene: Wee_55 Start: 38414, Stop: 38641, Start Num: 85
Candidate Starts for Wee_55:
(Start: 67 @38384 has 1 MA's), (Start: 85 @38414 has 71 MA's), (Start: 94 @38447 has 4 MA's), (Start: 107 @38471 has 4 MA's), (140, 38504),

Gene: Whatsapiecost_53 Start: 36689, Stop: 36931, Start Num: 85
Candidate Starts for Whatsapiecost_53:
(Start: 85 @36689 has 71 MA's), (142, 36800),

Gene: Whitney_75 Start: 45513, Stop: 45800, Start Num: 82
Candidate Starts for Whitney_75:
(74, 45501), (Start: 76 @45504 has 5 MA's), (Start: 82 @45513 has 22 MA's), (108, 45579), (140, 45645), (143, 45657),

Gene: William_80 Start: 49369, Stop: 49632, Start Num: 86
Candidate Starts for William_80:
(10, 49048), (12, 49063), (14, 49099), (Start: 86 @49369 has 129 MA's), (Start: 94 @49405 has 4 MA's), (131, 49456),

Gene: WilliamBoone_96 Start: 57383, Stop: 57652, Start Num: 86
Candidate Starts for WilliamBoone_96:
(Start: 86 @57383 has 129 MA's), (136, 57488), (161, 57554),

Gene: XFactor_50 Start: 36012, Stop: 36242, Start Num: 85
Candidate Starts for XFactor_50:
(Start: 67 @35982 has 1 MA's), (Start: 85 @36012 has 71 MA's), (Start: 94 @36048 has 4 MA's), (140, 36108), (142, 36111),

Gene: Xavier_52 Start: 47087, Stop: 46794, Start Num: 86
Candidate Starts for Xavier_52:
(22, 47246), (35, 47189), (49, 47162), (55, 47141), (57, 47135), (Start: 86 @47087 has 129 MA's), (92, 47063), (130, 47015), (133, 47009), (142, 46985),

Gene: Xiaokay_141 Start: 77151, Stop: 77429, Start Num: 95
Candidate Starts for Xiaokay_141:
(11, 76800), (37, 77016), (Start: 82 @77106 has 22 MA's), (Start: 95 @77151 has 33 MA's), (134, 77223), (136, 77226), (175, 77334), (180, 77346),

Gene: Yeet_83 Start: 55009, Stop: 55305, Start Num: 83
Candidate Starts for Yeet_83:
(Start: 83 @55009 has 86 MA's), (116, 55087), (134, 55114), (142, 55138),

Gene: Yeet_139 Start: 77084, Stop: 77329, Start Num: 95
Candidate Starts for Yeet_139:
(37, 76949), (Start: 82 @77039 has 22 MA's), (Start: 95 @77084 has 33 MA's), (134, 77156), (136, 77159),

Gene: Yoshi_64 Start: 38747, Stop: 38995, Start Num: 85
Candidate Starts for Yoshi_64:
(Start: 67 @38717 has 1 MA's), (Start: 85 @38747 has 71 MA's), (140, 38843), (147, 38867), (166, 38900),

Gene: Yoshi_44 Start: 30151, Stop: 29960, Start Num: 85
Candidate Starts for Yoshi_44:
(Start: 85 @30151 has 71 MA's), (142, 30061),

Gene: YungJamal_99 Start: 61508, Stop: 61278, Start Num: 107
Candidate Starts for YungJamal_99:
(91, 61544), (Start: 107 @61508 has 4 MA's), (140, 61448), (142, 61445),

Gene: Zelda_53 Start: 47424, Stop: 47131, Start Num: 86
Candidate Starts for Zelda_53:
(22, 47583), (35, 47526), (49, 47499), (55, 47478), (57, 47472), (Start: 86 @47424 has 129 MA's), (92, 47400), (130, 47352), (133, 47346), (142, 47322),

Gene: Zelink_87 Start: 57104, Stop: 57400, Start Num: 83

Candidate Starts for Zelink_87:

(Start: 83 @57104 has 86 MA's), (116, 57182), (134, 57209), (142, 57233),

Gene: Zelink_140 Start: 78130, Stop: 78408, Start Num: 95

Candidate Starts for Zelink_140:

(37, 77995), (73, 78070), (Start: 82 @78085 has 22 MA's), (Start: 95 @78130 has 33 MA's), (134, 78202), (136, 78205), (145, 78247), (180, 78325),

Gene: Zerg_52 Start: 37166, Stop: 37408, Start Num: 85

Candidate Starts for Zerg_52:

(Start: 67 @37136 has 1 MA's), (Start: 85 @37166 has 71 MA's), (142, 37277),