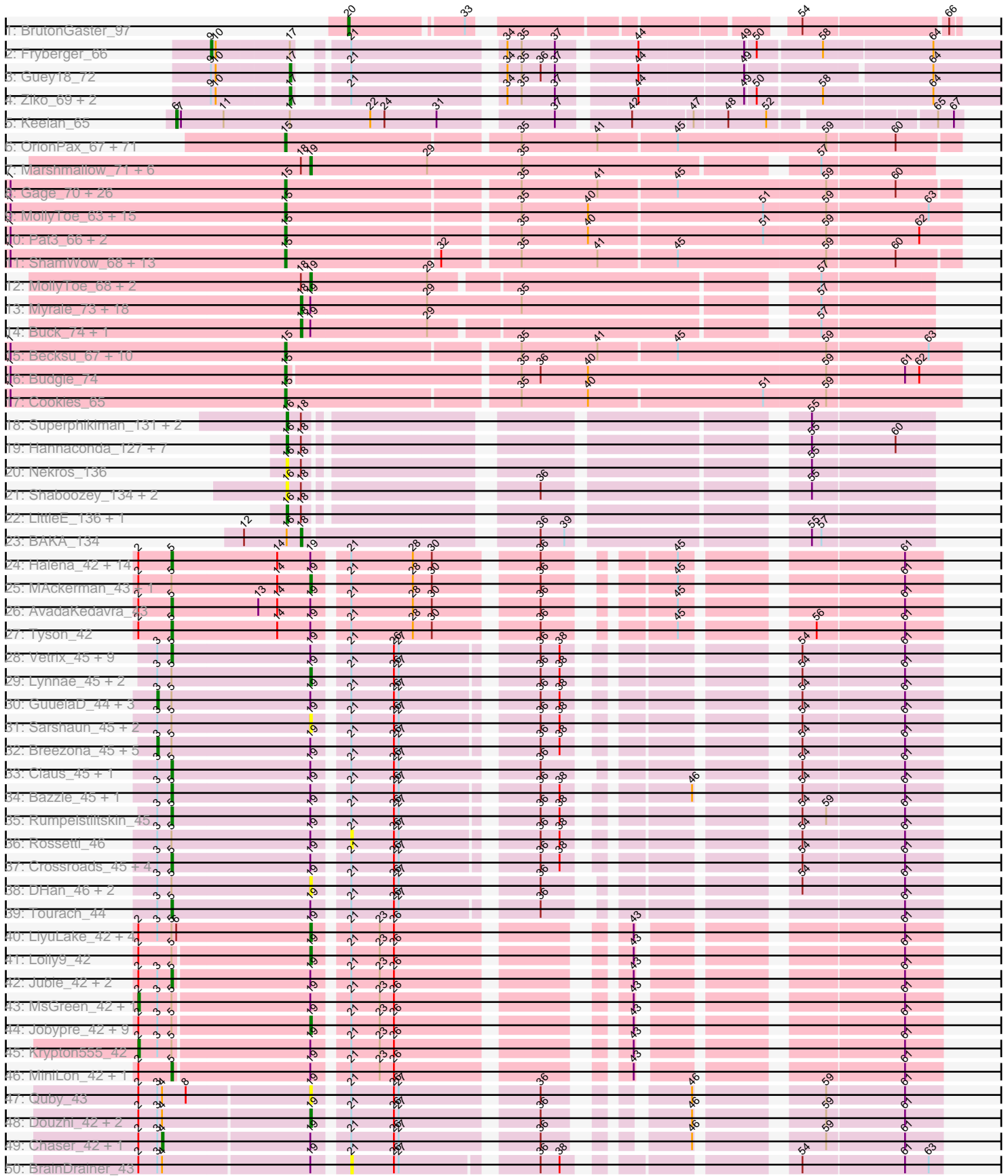


Pham 311157



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 311157 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311157 has 298 members, 43 are drafts.

Phages represented in each track:

- Track 1 : BrutonGaster_97
- Track 2 : Fryberger_66
- Track 3 : Guey18_72
- Track 4 : Ziko_69, Ronaldo_69, Volt_69
- Track 5 : Keelan_65
- Track 6 : OrionPax_67, Tuco_69, NelitzaMV_66, Lilac_70, Eureka_66, Daikon_70, Czyszczonek_69, Marshmallow_66, Miniwave_63, TeardropMSU_64, Dumbo_68, Phaux_70, Pumpkin_71, Sotrice96_69, Ukulele_63, Cactus_71, BigBubba_68, Bogg_68, IHOP_66, xkcd_71, Filch_69, Kostya_68, SophKB_65, Liveloughbron_70, Kanye_65, Thresher_70, Palpatine_70, Cjw1_68, 244_69, Elite2014_67, Highbury_67, Hopey_68, Murica_71, ChosenOne_68, Murphy_68, PhatBacter_72, Goku_66, Policronamos_71, Balomoji_68, Pharsalus_65, StellaBean_66, Maxxinista_70, BadStone_65, Gator_66, Icee_69, HufflyPuff_71, Elph10_68, Phrux_65, Phaja_66, Stark_69, HanKaySha_68, BugsBunny_68, DrDrey_68, Tarkin_67, Rakim_69, Paperbeatsrock_67, Simpliphy_67, NoSleep_69, Dusk_65, Saints25_67, Ptowny_65, Lilpickle_67, ABCat_65, Flypotenuse_64, PaddyBaddy_68, RiverMonster_68, Myrale_68, Xandras_67, Quallification_69, ShereKhan_67, Greep_72, Manda_68
- Track 7 : Marshmallow_71, Daikon_75, Easy2Say_74, GoldenSpark_77, Icee_74, Balomoji_73, 244_74
- Track 8 : Gage_70, Argent26_72, Thimble_69, Teaspoon_69, Gemini_73, Hoonter_71, Goldilocks_71, GoldenSpark_72, GooberAzure_71, Youngblood_71, AmericanBeauty_72, MadamMonkfish_68, TBrady12_71, Lilizi_69, FairyPath_69, Bench_71, Command613_70, BaboJay_65, Inca_65, Brewer_64, Porky_67, NonchalantPear_68, Kimchi_72, Emmina_68, JeTaime_68, StolenFromERC_71, Holt_73
- Track 9 : MollyToe_63, YassJohnny_65, Glexan_67, FoghornLeghorn_62, TeamEdward_70, SirDuracell_67, Tomaszewski_63, Sassay_63, Buck_69, Harella_68, StormChicken_70, DoctorDiddles_67, Bask21_68, Petra64142_72, Rimmer_69, Willez_63
- Track 10 : Pat3_66, Amao_68, ChotaBhai_68
- Track 11 : ShamWow_68, BilboSwaggins_66, Mindy_67, Easy2Say_69, Adnama_72, CrystalP_67, Asriel_67, Moldemort_71, Traaww1_64, Wiggin_70, Toto_66, Henry_66, Barbarian_67, Stank_71
- Track 12 : MollyToe_68, Petra64142_77, Rimmer_74
- Track 13 : Myrale_73, Cactus_76, Glexan_72, Sotrice96_74, Hoonter_76, GooberAzure_76, Harella_73, AmericanBeauty_77, TeardropMSU_69, Gemini_78,

Brewer_69, JeTaime_73, Kimchi_77, Argent26_77, StolenFromERC_76, Holt_78, Flypotenuse_69, Gage_75, Stank_76

- Track 14 : Buck_74, StormChicken_75
- Track 15 : Becksu_67, Nala_70, Contagion_64, MPhalcon_69, Bruin_65, Terminus_71, Misfit_69, Nimrod_69, MISSy_69, FireRed_72, Mosby_64
- Track 16 : Budgie_74
- Track 17 : Cookies_65
- Track 18 : Superphikiman_131, Ariel_133, Courthouse_129
- Track 19 : Hannaconda_127, Porcelain_131, Squint_131, Lucky2013_128, Gonephishing_128, MiaZeal_133, KashFlow_131, Rearden_132
- Track 20 : Nekros_136
- Track 21 : Shaboozey_134, Nibley_130, BronnyJames_131
- Track 22 : LittleE_136, Omega_143
- Track 23 : BAKA_134
- Track 24 : Halena_42, DirkDirk_42, Silverleaf_42, Wamburggrxpress_43, JoeDirt_42, Appletree2_42, Calm_43, LeBron_43, Wyatt2_43, Zaria_43, Rose5_42, Acquire49_43, OhShagHennessy_42, UPIE_43, Enceladus_42
- Track 25 : MAckerman_43, CicholasNage_43
- Track 26 : AvadaKedavra_43
- Track 27 : Tyson_42
- Track 28 : Vetric_45, Lewan_45, Kahlid_45, DrSeegs_45, Netyap_45, Wilder_45, Gabriela_45, MkaliMitinis3_45, BigCheese_45, LilDestine_45
- Track 29 : Lynnae_45, SoJulia_46, BobsGarage_45
- Track 30 : GuuelaD_44, Nicholasp3_45, Loadrie_44, Wigglewiggles_45
- Track 31 : Sarshaun_45, Hafay_45, Soap141_45
- Track 32 : Breezona_45, Winky_45, Itos_44, Finemlucis_45, Faith1_45, Miley16_45
- Track 33 : Claus_45, Baoshan_44
- Track 34 : Bazzle_45, Archie_45
- Track 35 : Rumpelstiltskin_45
- Track 36 : Rossetti_46
- Track 37 : Crossroads_45, Gardann_45, OverPar_45, Underpass_45, Zakai_45
- Track 38 : DHan_46, ZhongYanYuan_43, DanBing_44
- Track 39 : Tourach_44
- Track 40 : LiyuLake_42, BourbonZero_41, KirDoubleO7_40, DuncansLeg_42, Ellson_42
- Track 41 : Lolly9_42
- Track 42 : Jubie_42, Whirlwind_43, Lumos_42
- Track 43 : MsGreen_42, Clautastrophe_42
- Track 44 : Jobypre_42, Samty_42, Kingsolomon_42, Red305_42, Snenia_42, Bellis_42, Finrly_42, Moostard_42, TriFive_42, Nicholas_42
- Track 45 : Krypton555_42
- Track 46 : MiniLon_42, MiniMac_42
- Track 47 : Quby_43
- Track 48 : Douzhi_42, ChutneyChips_43, FarmResident_43
- Track 49 : Chaser_42, Douge_42
- Track 50 : BrainDrainer_43
- Track 51 : DyoEdafos_44, Kropertea_43
- Track 52 : PYPDinur_41, Sheng711_43
- Track 53 : Bromden_45
- Track 54 : Labelle_59

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

The start number called the most often in the published annotations is 15, it was called in 132 of the 255 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_69, ABCat_65, Adnama_72, Amao_68, AmericanBeauty_72, Argent26_72, Asriel_67, BaboJay_65, BadStone_65, Balomoji_68, Barbarian_67, Bask21_68, Becksu_67, Bench_71, BigBubba_68, BilboSwaggins_66, Bogg_68, Brewer_64, Bruin_65, Buck_69, Budgie_74, BugsBunny_68, Cactus_71, ChosenOne_68, ChotaBhai_68, Cjw1_68, Command613_70, Contagion_64, Cookies_65, CrystalP_67, Czystoczon1_69, Daikon_70, DoctorDiddles_67, DrDrey_68, Dumbo_68, Dusk_65, Easy2Say_69, Elite2014_67, Elph10_68, Emmina_68, Eureka_66, FairyPath_69, Filch_69, FireRed_72, Flypotenuse_64, FoghornLeghorn_62, Gage_70, Gator_66, Gemini_73, Glexan_67, Goku_66, GoldenSpark_72, Goldilocks_71, GooberAzure_71, Greep_72, HanKaySha_68, Harella_68, Henry_66, Highbury_67, Holt_73, Hoonter_71, Hopey_68, HufflyPuff_71, IHOP_66, Icee_69, Inca_65, JeTaime_68, Kanye_65, Kimchi_72, Kostya_68, Lilac_70, Lilizi_69, Lilpickle_67, Liveloughbron_70, MISSy_69, MPhalcon_69, MadamMonkfish_68, Manda_68, Marshmallow_66, Maxxinista_70, Mindy_67, Miniwave_63, Misfit_69, Moldemort_71, MollyToe_63, Mosby_64, Murica_71, Murphy_68, Myrale_68, Nala_70, NelitzaMV_66, Nimrod_69, NoSleep_69, NonchalantPear_68, OrionPax_67, PaddyBaddy_68, Palpatine_70, Paperbeatsrock_67, Pat3_66, Petra64142_72, Phaja_66, Pharsalus_65, PhatBacter_72, Phaux_70, Phrux_65, Policronamos_71, Porky_67, Ptowny_65, Pumpkin_71, Quallification_69, Rakim_69, Rimmer_69, RiverMonster_68, Saints25_67, Sassay_63, ShamWow_68, ShereKhan_67, Simpliphy_67, SirDuracell_67, SophKB_65, Sotrice96_69, Stank_71, Stark_69, StellaBean_66, StolenFromERC_71, StormChicken_70, TBrady12_71, Tarkin_67, TeamEdward_70, TeardropMSU_64, Teaspoon_69, Terminus_71, Thimble_69, Thresher_70, Tomaszewski_63, Toto_66, Traaww1_64, Tuco_69, Ukulele_63, Wiggin_70, Willez_63, Xandras_67, YassJohnny_65, Youngblood_71, xkcd_71,

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

-

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

- 244_74, Acquire49_43, AmericanBeauty_77, Appletree2_42, Archie_45, Argent26_77, Ariel_133, AvadaKedavra_43, BAKA_134, Balomoji_73, Baoshan_44, Bazzle_45, Bellis_42, BigCheese_45, BobsGarage_45, BourbonZero_41, BrainDrainer_43, Breezona_45, Brewer_69, Bromden_45, BronnyJames_131, BrutonGaster_97, Buck_74, Cactus_76, Calm_43, Chaser_42, ChutneyChips_43, CicholasNage_43, Claus_45, Clautastrophe_42, Courthouse_129, Crossroads_45, DHan_46, Daikon_75, DanBing_44, DirkDirk_42, Douge_42, Douzhi_42, DrSeegs_45, DuncansLeg_42, DyoEdafos_44, Easy2Say_74, Ellson_42, Enceladus_42, Faith1_45, FarmResident_43, Finemlucis_45, Finnry_42, Flypotenuse_69, Fryberger_66, Gabriela_45, Gage_75, Gardann_45, Gemini_78, Glexan_72, GoldenSpark_77, Gonephishing_128, GooberAzure_76, Guey18_72, GuuelaD_44, Hafay_45, Halena_42, Hannaconda_127, Harella_73, Holt_78, Hoonter_76, Icee_74, Itos_44, JeTaime_73, Jobypre_42, JoeDirt_42, Jubie_42, Kahlid_45, KashFlow_131, Keelan_65, Kimchi_77, Kingsolomon_42, KirDoubleO7_40, Kropertea_43, Krypton555_42, Labelle_59, LeBron_43, Lewan_45,

LilDestine_45, LittleE_136, LiyuLake_42, Loadrie_44, Lolly9_42, Lucky2013_128, Lumos_42, Lynnae_45, MAckerman_43, Marshmallow_71, MiaZeal_133, Miley16_45, MiniLon_42, MiniMac_42, MkaliMitinis3_45, MollyToe_68, Moostard_42, MsGreen_42, Myrale_73, Nekros_136, Netyap_45, Nibley_130, Nicholas_42, Nicholasp3_45, OhShagHennessy_42, Omega_143, OverPar_45, PYPDinur_41, Petra64142_77, Porcelain_131, Quby_43, Rearden_132, Red305_42, Rimmer_74, Ronaldo_69, Rose5_42, Rossetti_46, Rumpelstiltskin_45, Samty_42, Sarshaun_45, Shaboozey_134, Sheng711_43, Silverleaf_42, Snenia_42, SoJulia_46, Soap141_45, Sotrice96_74, Squint_131, Stank_76, StolenFromERC_76, StormChicken_75, Superphikiman_131, TeardropMSU_69, Tourach_44, TriFive_42, Tyson_42, UPIE_43, Underpass_45, Vetrix_45, Volt_69, Wamburggrxpress_43, Whirlwind_43, Wigglewiggles_45, Wilder_45, Winky_45, Wyatt2_43, Zakai_45, Zaria_43, ZhongYanYuan_43, Ziko_69,

Summary by start number:

Start 2:

- Found in 55 of 298 (18.5%) of genes in pham
- Manual Annotations of this start: 3 of 255
- Called 5.5% of time when present
- Phage (with cluster) where this start called: Clautastrophe_42 (L3), Krypton555_42 (L3), MsGreen_42 (L3),

Start 3:

- Found in 74 of 298 (24.8%) of genes in pham
- Manual Annotations of this start: 10 of 255
- Called 13.5% of time when present
- Phage (with cluster) where this start called: Breezona_45 (L2), Faith1_45 (L2), Finemlucis_45 (L2), GuuelaD_44 (L2), Itos_44 (L2), Loadrie_44 (L2), Miley16_45 (L2), Nicholasp3_45 (L2), Wigglewiggles_45 (L2), Winky_45 (L2),

Start 4:

- Found in 12 of 298 (4.0%) of genes in pham
- Manual Annotations of this start: 5 of 255
- Called 41.7% of time when present
- Phage (with cluster) where this start called: Bromden_45 (L4), Chaser_42 (L4), Douge_42 (L4), DyoEdafos_44 (L4), Kropertea_43 (L4),

Start 5:

- Found in 85 of 298 (28.5%) of genes in pham
- Manual Annotations of this start: 43 of 255
- Called 50.6% of time when present
- Phage (with cluster) where this start called: Acquire49_43 (L1), Appletree2_42 (L1), Archie_45 (L2), AvadaKedavra_43 (L1), Baoshan_44 (L2), Bazzle_45 (L2), BigCheese_45 (L2), Calm_43 (L1), Claus_45 (L2), Crossroads_45 (L2), DirkDirk_42 (L1), DrSeegs_45 (L2), Enceladus_42 (L1), Gabriela_45 (L2), Gardann_45 (L2), Halena_42 (L1), JoeDirt_42 (L1), Jubie_42 (L3), Kahlid_45 (L2), LeBron_43 (L1), Lewan_45 (L2), LilDestine_45 (L2), Lumos_42 (L3), MiniLon_42 (L3), MiniMac_42 (L3), MkaliMitinis3_45 (L2), Netyap_45 (L2), OhShagHennessy_42 (L1), OverPar_45 (L2), Rose5_42 (L1), Rumpelstiltskin_45 (L2), Silverleaf_42 (L1), Tourach_44 (L2), Tyson_42 (L1), UPIE_43 (L1), Underpass_45 (L2), Vetrix_45 (L2), Wamburggrxpress_43 (L1), Whirlwind_43 (L3), Wilder_45 (L2), Wyatt2_43 (L1), Zakai_45 (L2), Zaria_43 (L1),

Start 6:

- Found in 6 of 298 (2.0%) of genes in pham
- Manual Annotations of this start: 1 of 255
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Keelan_65 (DP),

Start 9:

- Found in 5 of 298 (1.7%) of genes in pham
- Manual Annotations of this start: 1 of 255
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Fryberger_66 (DP),

Start 15:

- Found in 145 of 298 (48.7%) of genes in pham
- Manual Annotations of this start: 132 of 255
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 244_69 (E), ABCat_65 (E), Adnama_72 (E), Amao_68 (E), AmericanBeauty_72 (E), Argent26_72 (E), Asriel_67 (E), BaboJay_65 (E), BadStone_65 (E), Balomoji_68 (E), Barbarian_67 (E), Bask21_68 (E), Becksu_67 (E), Bench_71 (E), BigBubba_68 (E), BilboSwaggins_66 (E), Bogg_68 (E), Brewer_64 (E), Bruin_65 (E), Buck_69 (E), Budgie_74 (E), BugsBunny_68 (E), Cactus_71 (E), ChosenOne_68 (E), ChotaBhai_68 (E), Cjw1_68 (E), Command613_70 (E), Contagion_64 (E), Cookies_65 (E), CrystalP_67 (E), Czyszczonek_69 (E), Daikon_70 (E), DoctorDiddles_67 (E), DrDrey_68 (E), Dumbo_68 (E), Dusk_65 (E), Easy2Say_69 (E), Elite2014_67 (E), Elph10_68 (E), Emmina_68 (E), Eureka_66 (E), FairyPath_69 (E), Filch_69 (E), FireRed_72 (E), Flypotenuse_64 (E), FoghornLeghorn_62 (E), Gage_70 (E), Gator_66 (E), Gemini_73 (E), Glexan_67 (E), Goku_66 (E), GoldenSpark_72 (E), Goldilocks_71 (E), GooberAzure_71 (E), Greep_72 (E), HanKaySha_68 (E), Harella_68 (E), Henry_66 (E), Highbury_67 (E), Holt_73 (E), Hoonter_71 (E), Hopey_68 (E), HuffyPuff_71 (E), IHOP_66 (E), Icee_69 (E), Inca_65 (E), JeTaime_68 (E), Kanye_65 (E), Kimchi_72 (E), Kostya_68 (E), Lilac_70 (E), Lilizi_69 (E), Lilpickle_67 (E), Liveloughbron_70 (E), MISSy_69 (E), MPhalcon_69 (E), MadamMonkfish_68 (E), Manda_68 (E), Marshmallow_66 (E), Maxxinista_70 (E), Mindy_67 (E), Miniwave_63 (E), Misfit_69 (E), Moldemort_71 (E), MollyToe_63 (E), Mosby_64 (E), Murica_71 (E), Murphy_68 (E), Myrale_68 (E), Nala_70 (E), NelitzaMV_66 (E), Nimrod_69 (E), NoSleep_69 (E), NonchalantPear_68 (E), OrionPax_67 (E), PaddyBaddy_68 (E), Palpatine_70 (E), Paperbeatsrock_67 (E), Pat3_66 (E), Petra64142_72 (E), Phaja_66 (E), Pharsalus_65 (E), PhatBacter_72 (E), Phaux_70 (E), Phrux_65 (E), Policronamos_71 (E), Porky_67 (E), Ptowny_65 (E), Pumpkin_71 (E), Quallification_69 (E), Rakim_69 (E), Rimmer_69 (E), RiverMonster_68 (E), Saints25_67 (E), Sassay_63 (E), ShamWow_68 (E), ShereKhan_67 (E), Simpliphy_67 (E), SirDuracell_67 (E), SophKB_65 (E), Sotrice96_69 (E), Stank_71 (E), Stark_69 (E), StellaBean_66 (E), StolenFromERC_71 (E), StormChicken_70 (E), TBrady12_71 (E), Tarkin_67 (E), TeamEdward_70 (E), TeardropMSU_64 (E), Teaspoon_69 (E), Terminus_71 (E), Thimble_69 (E), Thresher_70 (E), Tomaszewski_63 (E), Toto_66 (E), Traaww1_64 (E), Tuco_69 (E), Ukulele_63 (E), Wiggin_70 (E), Willez_63 (E), Xandras_67 (E), YassJohnny_65 (E), Youngblood_71 (E), xkcd_71 (E),

Start 16:

- Found in 19 of 298 (6.4%) of genes in pham
- Manual Annotations of this start: 12 of 255

- Called 94.7% of time when present
- Phage (with cluster) where this start called: Ariel_133 (J), BronnyJames_131 (J), Courthouse_129 (J), Gonephishing_128 (J), Hannaconda_127 (J), KashFlow_131 (J), Labelle_59 (U), LittleE_136 (J), Lucky2013_128 (J), MiaZeal_133 (J), Nekros_136 (J), Nibley_130 (J), Omega_143 (J), Porcelain_131 (J), Rearden_132 (J), Shaboozey_134 (J), Squint_131 (J), Superphikiman_131 (J),

Start 17:

- Found in 6 of 298 (2.0%) of genes in pham
- Manual Annotations of this start: 4 of 255
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Guey18_72 (DP), Ronaldo_69 (DP), Volt_69 (DP), Ziko_69 (DP),

Start 18:

- Found in 49 of 298 (16.4%) of genes in pham
- Manual Annotations of this start: 21 of 255
- Called 44.9% of time when present
- Phage (with cluster) where this start called: AmericanBeauty_77 (E), Argent26_77 (E), BAKA_134 (J), Brewer_69 (E), Buck_74 (E), Cactus_76 (E), Flypotenuse_69 (E), Gage_75 (E), Gemini_78 (E), Glexan_72 (E), GooberAzure_76 (E), Harella_73 (E), Holt_78 (E), Hoonter_76 (E), JeTaimé_73 (E), Kimchi_77 (E), Myrale_73 (E), Sotrice96_74 (E), Stank_76 (E), StolenFromERC_76 (E), StormChicken_75 (E), TeardropMSU_69 (E),

Start 19:

- Found in 127 of 298 (42.6%) of genes in pham
- Manual Annotations of this start: 22 of 255
- Called 33.9% of time when present
- Phage (with cluster) where this start called: 244_74 (E), Balomoji_73 (E), Bellis_42 (L3), BobsGarage_45 (L2), BourbonZero_41 (L3), ChutneyChips_43 (L4), CicholasNage_43 (L1), DHan_46 (L2), Daikon_75 (E), DanBing_44 (L2), Douzhi_42 (L4), DuncansLeg_42 (L3), Easy2Say_74 (E), Ellson_42 (L3), FarmResident_43 (L4), Finnry_42 (L3), GoldenSpark_77 (E), Hafay_45 (L2), Icee_74 (E), Jobypre_42 (L3), Kingsolomon_42 (L3), KirDoubleO7_40 (L3), LiyuLake_42 (L3), Lolly9_42 (L3), Lynnae_45 (L2), MAckerman_43 (L1), Marshmallow_71 (E), MollyToe_68 (E), Moostard_42 (L3), Nicholas_42 (L3), PYPDinur_41 (L4), Petra64142_77 (E), Quby_43 (L4), Red305_42 (L3), Rimmer_74 (E), Samty_42 (L3), Sarshaun_45 (L2), Sheng711_43 (L4), Snenia_42 (L3), SoJulia_46 (L2), Soap141_45 (L2), TriFive_42 (L3), ZhongYanYuan_43 (L2),

Start 20:

- Found in 1 of 298 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 255
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BrutonGaster_97 (CQ2),

Start 21:

- Found in 102 of 298 (34.2%) of genes in pham
- No Manual Annotations of this start.
- Called 2.0% of time when present
- Phage (with cluster) where this start called: BrainDrainer_43 (L4), Rossetti_46 (L2),

Summary by clusters:

There are 9 clusters represented in this pham: E, CQ2, J, L4, L2, L3, L1, U, DP,

Info for manual annotations of cluster CQ2:

- Start number 20 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster DP:

- Start number 6 was manually annotated 1 time for cluster DP.
- Start number 9 was manually annotated 1 time for cluster DP.
- Start number 17 was manually annotated 4 times for cluster DP.

Info for manual annotations of cluster E:

- Start number 15 was manually annotated 132 times for cluster E.
- Start number 18 was manually annotated 20 times for cluster E.
- Start number 19 was manually annotated 7 times for cluster E.

Info for manual annotations of cluster J:

- Start number 16 was manually annotated 11 times for cluster J.
- Start number 18 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster L1:

- Start number 5 was manually annotated 17 times for cluster L1.
- Start number 19 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 3 was manually annotated 10 times for cluster L2.
- Start number 5 was manually annotated 21 times for cluster L2.
- Start number 19 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L3:

- Start number 2 was manually annotated 3 times for cluster L3.
- Start number 5 was manually annotated 5 times for cluster L3.
- Start number 19 was manually annotated 11 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 4 was manually annotated 5 times for cluster L4.
- Start number 19 was manually annotated 1 time for cluster L4.

Info for manual annotations of cluster U:

- Start number 16 was manually annotated 1 time for cluster U.

Gene Information:

Gene: 244_69 Start: 45158, Stop: 45568, Start Num: 15

Candidate Starts for 244_69:

(Start: 15 @45158 has 132 MA's), (35, 45299), (41, 45347), (45, 45395), (59, 45488), (60, 45530),

Gene: 244_74 Start: 47428, Stop: 47793, Start Num: 19

Candidate Starts for 244_74:

(Start: 18 @47422 has 21 MA's), (Start: 19 @47428 has 22 MA's), (29, 47500), (35, 47554), (57, 47725),

Gene: ABCat_65 Start: 45505, Stop: 45915, Start Num: 15

Candidate Starts for ABCat_65:

(Start: 15 @45505 has 132 MA's), (35, 45646), (41, 45694), (45, 45742), (59, 45835), (60, 45877),

Gene: Acquire49_43 Start: 34025, Stop: 34441, Start Num: 5

Candidate Starts for Acquire49_43:

(Start: 2 @34004 has 3 MA's), (Start: 5 @34025 has 43 MA's), (14, 34091), (Start: 19 @34112 has 22 MA's), (21, 34130), (28, 34169), (30, 34181), (36, 34238), (45, 34298), (61, 34418),

Gene: Adnama_72 Start: 45528, Stop: 45938, Start Num: 15

Candidate Starts for Adnama_72:

(1, 45354), (Start: 15 @45528 has 132 MA's), (32, 45624), (35, 45669), (41, 45717), (45, 45765), (59, 45858), (60, 45900),

Gene: Amao_68 Start: 44913, Stop: 45326, Start Num: 15

Candidate Starts for Amao_68:

(1, 44739), (Start: 15 @44913 has 132 MA's), (35, 45054), (40, 45096), (51, 45204), (59, 45243), (62, 45300),

Gene: AmericanBeauty_72 Start: 45671, Stop: 46081, Start Num: 15

Candidate Starts for AmericanBeauty_72:

(1, 45497), (Start: 15 @45671 has 132 MA's), (35, 45812), (41, 45860), (45, 45908), (59, 46001), (60, 46043),

Gene: AmericanBeauty_77 Start: 47938, Stop: 48315, Start Num: 18

Candidate Starts for AmericanBeauty_77:

(Start: 18 @47938 has 21 MA's), (Start: 19 @47944 has 22 MA's), (29, 48016), (35, 48076), (57, 48247),

Gene: Appletree2_42 Start: 33952, Stop: 34368, Start Num: 5

Candidate Starts for Appletree2_42:

(Start: 2 @33931 has 3 MA's), (Start: 5 @33952 has 43 MA's), (14, 34018), (Start: 19 @34039 has 22 MA's), (21, 34057), (28, 34096), (30, 34108), (36, 34165), (45, 34225), (61, 34345),

Gene: Archie_45 Start: 35560, Stop: 35976, Start Num: 5

Candidate Starts for Archie_45:

(Start: 3 @35551 has 10 MA's), (Start: 5 @35560 has 43 MA's), (Start: 19 @35647 has 22 MA's), (21, 35665), (26, 35692), (27, 35695), (36, 35770), (38, 35782), (46, 35842), (54, 35890), (61, 35953),

Gene: Argent26_72 Start: 45309, Stop: 45719, Start Num: 15

Candidate Starts for Argent26_72:

(1, 45135), (Start: 15 @45309 has 132 MA's), (35, 45450), (41, 45498), (45, 45546), (59, 45639), (60, 45681),

Gene: Argent26_77 Start: 47576, Stop: 47953, Start Num: 18

Candidate Starts for Argent26_77:

(Start: 18 @47576 has 21 MA's), (Start: 19 @47582 has 22 MA's), (29, 47654), (35, 47714), (57, 47885),

Gene: Ariel_133 Start: 69964, Stop: 70317, Start Num: 16

Candidate Starts for Ariel_133:

(Start: 16 @69964 has 12 MA's), (Start: 18 @69973 has 21 MA's), (55, 70243),

Gene: Asriel_67 Start: 43865, Stop: 44275, Start Num: 15

Candidate Starts for Asriel_67:

(1, 43691), (Start: 15 @43865 has 132 MA's), (32, 43961), (35, 44006), (41, 44054), (45, 44102), (59, 44195), (60, 44237),

Gene: AvadaKedavra_43 Start: 34034, Stop: 34450, Start Num: 5

Candidate Starts for AvadaKedavra_43:

(Start: 2 @34013 has 3 MA's), (Start: 5 @34034 has 43 MA's), (13, 34088), (14, 34100), (Start: 19 @34121 has 22 MA's), (21, 34139), (28, 34178), (30, 34190), (36, 34247), (45, 34307), (61, 34427),

Gene: BAKA_134 Start: 72670, Stop: 73020, Start Num: 18

Candidate Starts for BAKA_134:

(12, 72634), (Start: 16 @72661 has 12 MA's), (Start: 18 @72670 has 21 MA's), (36, 72802), (39, 72817), (55, 72946), (57, 72952),

Gene: BaboJay_65 Start: 44702, Stop: 45112, Start Num: 15

Candidate Starts for BaboJay_65:

(1, 44528), (Start: 15 @44702 has 132 MA's), (35, 44843), (41, 44891), (45, 44939), (59, 45032), (60, 45074),

Gene: BadStone_65 Start: 45074, Stop: 45484, Start Num: 15

Candidate Starts for BadStone_65:

(Start: 15 @45074 has 132 MA's), (35, 45215), (41, 45263), (45, 45311), (59, 45404), (60, 45446),

Gene: Balomoji_73 Start: 47905, Stop: 48276, Start Num: 19

Candidate Starts for Balomoji_73:

(Start: 18 @47899 has 21 MA's), (Start: 19 @47905 has 22 MA's), (29, 47977), (35, 48037), (57, 48208),

Gene: Balomoji_68 Start: 45635, Stop: 46045, Start Num: 15

Candidate Starts for Balomoji_68:

(Start: 15 @45635 has 132 MA's), (35, 45776), (41, 45824), (45, 45872), (59, 45965), (60, 46007),

Gene: Baoshan_44 Start: 35217, Stop: 35633, Start Num: 5

Candidate Starts for Baoshan_44:

(Start: 3 @35208 has 10 MA's), (Start: 5 @35217 has 43 MA's), (Start: 19 @35304 has 22 MA's), (21, 35322), (26, 35349), (27, 35352), (36, 35430), (54, 35547), (61, 35610),

Gene: Barbarian_67 Start: 43865, Stop: 44275, Start Num: 15

Candidate Starts for Barbarian_67:

(1, 43691), (Start: 15 @43865 has 132 MA's), (32, 43961), (35, 44006), (41, 44054), (45, 44102), (59, 44195), (60, 44237),

Gene: Bask21_68 Start: 44476, Stop: 44889, Start Num: 15

Candidate Starts for Bask21_68:

(1, 44302), (Start: 15 @44476 has 132 MA's), (35, 44617), (40, 44659), (51, 44767), (59, 44806), (63, 44869),

Gene: Bazzle_45 Start: 35592, Stop: 36008, Start Num: 5

Candidate Starts for Bazzle_45:

(Start: 3 @35583 has 10 MA's), (Start: 5 @35592 has 43 MA's), (Start: 19 @35679 has 22 MA's), (21, 35697), (26, 35724), (27, 35727), (36, 35802), (38, 35814), (46, 35874), (54, 35922), (61, 35985),

Gene: Becksu_67 Start: 45704, Stop: 46117, Start Num: 15

Candidate Starts for Becksu_67:

(1, 45530), (Start: 15 @45704 has 132 MA's), (35, 45845), (41, 45893), (45, 45941), (59, 46034), (63, 46097),

Gene: Bellis_42 Start: 35732, Stop: 36055, Start Num: 19

Candidate Starts for Bellis_42:

(Start: 2 @35627 has 3 MA's), (Start: 3 @35639 has 10 MA's), (Start: 5 @35648 has 43 MA's), (Start: 19 @35732 has 22 MA's), (21, 35750), (23, 35768), (26, 35777), (43, 35894), (61, 36032),

Gene: Bench_71 Start: 45175, Stop: 45585, Start Num: 15

Candidate Starts for Bench_71:

(1, 45001), (Start: 15 @45175 has 132 MA's), (35, 45316), (41, 45364), (45, 45412), (59, 45505), (60, 45547),

Gene: BigBubba_68 Start: 44884, Stop: 45294, Start Num: 15

Candidate Starts for BigBubba_68:

(Start: 15 @44884 has 132 MA's), (35, 45025), (41, 45073), (45, 45121), (59, 45214), (60, 45256),

Gene: BigCheese_45 Start: 35356, Stop: 35772, Start Num: 5

Candidate Starts for BigCheese_45:

(Start: 3 @35347 has 10 MA's), (Start: 5 @35356 has 43 MA's), (Start: 19 @35443 has 22 MA's), (21, 35461), (26, 35488), (27, 35491), (36, 35566), (38, 35578), (54, 35686), (61, 35749),

Gene: BilboSwaggins_66 Start: 45513, Stop: 45923, Start Num: 15

Candidate Starts for BilboSwaggins_66:

(1, 45339), (Start: 15 @45513 has 132 MA's), (32, 45609), (35, 45654), (41, 45702), (45, 45750), (59, 45843), (60, 45885),

Gene: BobsGarage_45 Start: 35443, Stop: 35772, Start Num: 19

Candidate Starts for BobsGarage_45:

(Start: 3 @35347 has 10 MA's), (Start: 5 @35356 has 43 MA's), (Start: 19 @35443 has 22 MA's), (21, 35461), (26, 35488), (27, 35491), (36, 35566), (38, 35578), (54, 35686), (61, 35749),

Gene: Bogg_68 Start: 44454, Stop: 44864, Start Num: 15

Candidate Starts for Bogg_68:

(Start: 15 @44454 has 132 MA's), (35, 44595), (41, 44643), (45, 44691), (59, 44784), (60, 44826),

Gene: BourbonZero_41 Start: 35717, Stop: 36040, Start Num: 19

Candidate Starts for BourbonZero_41:

(Start: 2 @35609 has 3 MA's), (Start: 3 @35621 has 10 MA's), (Start: 5 @35630 has 43 MA's), (Start: 6 @35633 has 1 MA's), (Start: 19 @35717 has 22 MA's), (21, 35735), (23, 35753), (26, 35762), (43, 35879), (61, 36017),

Gene: BrainDrainer_43 Start: 34388, Stop: 34699, Start Num: 21

Candidate Starts for BrainDrainer_43:

(Start: 2 @34265 has 3 MA's), (Start: 3 @34277 has 10 MA's), (Start: 4 @34280 has 5 MA's), (Start: 19 @34370 has 22 MA's), (21, 34388), (26, 34415), (27, 34418), (36, 34493), (38, 34505), (54, 34613), (61, 34676), (63, 34691),

Gene: Breezona_45 Start: 35347, Stop: 35772, Start Num: 3

Candidate Starts for Breezona_45:

(Start: 3 @35347 has 10 MA's), (Start: 5 @35356 has 43 MA's), (Start: 19 @35443 has 22 MA's), (21, 35461), (26, 35488), (27, 35491), (36, 35566), (38, 35578), (54, 35686), (61, 35749),

Gene: Brewer_69 Start: 46238, Stop: 46615, Start Num: 18

Candidate Starts for Brewer_69:

(Start: 18 @46238 has 21 MA's), (Start: 19 @46244 has 22 MA's), (29, 46316), (35, 46376), (57, 46547),

Gene: Brewer_64 Start: 43971, Stop: 44381, Start Num: 15

Candidate Starts for Brewer_64:

(1, 43797), (Start: 15 @43971 has 132 MA's), (35, 44112), (41, 44160), (45, 44208), (59, 44301), (60, 44343),

Gene: Bromden_45 Start: 35106, Stop: 35519, Start Num: 4

Candidate Starts for Bromden_45:

(Start: 2 @35091 has 3 MA's), (Start: 3 @35103 has 10 MA's), (Start: 4 @35106 has 5 MA's), (Start: 5 @35112 has 43 MA's), (Start: 19 @35196 has 22 MA's), (21, 35214), (25, 35238), (26, 35241), (36, 35322), (61, 35496),

Gene: BronnyJames_131 Start: 71229, Stop: 71582, Start Num: 16

Candidate Starts for BronnyJames_131:

(Start: 16 @71229 has 12 MA's), (Start: 18 @71238 has 21 MA's), (36, 71364), (55, 71508),

Gene: Bruin_65 Start: 44048, Stop: 44461, Start Num: 15

Candidate Starts for Bruin_65:

(1, 43874), (Start: 15 @44048 has 132 MA's), (35, 44189), (41, 44237), (45, 44285), (59, 44378), (63, 44441),

Gene: BrutonGaster_97 Start: 63227, Stop: 63556, Start Num: 20

Candidate Starts for BrutonGaster_97:

(Start: 20 @63227 has 1 MA's), (33, 63293), (54, 63464), (66, 63551),

Gene: Buck_74 Start: 48026, Stop: 48394, Start Num: 18

Candidate Starts for Buck_74:

(Start: 18 @48026 has 21 MA's), (Start: 19 @48032 has 22 MA's), (29, 48104), (57, 48326),

Gene: Buck_69 Start: 45756, Stop: 46169, Start Num: 15

Candidate Starts for Buck_69:

(1, 45582), (Start: 15 @45756 has 132 MA's), (35, 45897), (40, 45939), (51, 46047), (59, 46086), (63, 46149),

Gene: Budgie_74 Start: 45693, Stop: 46109, Start Num: 15

Candidate Starts for Budgie_74:

(1, 45519), (Start: 15 @45693 has 132 MA's), (35, 45834), (36, 45846), (40, 45876), (59, 46026), (61, 46074), (62, 46083),

Gene: BugsBunny_68 Start: 45583, Stop: 45993, Start Num: 15

Candidate Starts for BugsBunny_68:

(Start: 15 @45583 has 132 MA's), (35, 45724), (41, 45772), (45, 45820), (59, 45913), (60, 45955),

Gene: Cactus_76 Start: 46793, Stop: 47170, Start Num: 18

Candidate Starts for Cactus_76:

(Start: 18 @46793 has 21 MA's), (Start: 19 @46799 has 22 MA's), (29, 46871), (35, 46931), (57, 47102),

Gene: Cactus_71 Start: 44529, Stop: 44939, Start Num: 15

Candidate Starts for Cactus_71:

(Start: 15 @44529 has 132 MA's), (35, 44670), (41, 44718), (45, 44766), (59, 44859), (60, 44901),

Gene: Calm_43 Start: 34040, Stop: 34456, Start Num: 5

Candidate Starts for Calm_43:

(Start: 2 @34019 has 3 MA's), (Start: 5 @34040 has 43 MA's), (14, 34106), (Start: 19 @34127 has 22 MA's), (21, 34145), (28, 34184), (30, 34196), (36, 34253), (45, 34313), (61, 34433),

Gene: Chaser_42 Start: 34097, Stop: 34510, Start Num: 4

Candidate Starts for Chaser_42:

(Start: 2 @34082 has 3 MA's), (Start: 3 @34094 has 10 MA's), (Start: 4 @34097 has 5 MA's), (Start: 19 @34187 has 22 MA's), (21, 34205), (26, 34232), (27, 34235), (36, 34313), (46, 34376), (59, 34439), (61, 34487),

Gene: ChosenOne_68 Start: 44532, Stop: 44942, Start Num: 15

Candidate Starts for ChosenOne_68:

(Start: 15 @44532 has 132 MA's), (35, 44673), (41, 44721), (45, 44769), (59, 44862), (60, 44904),

Gene: ChotaBhai_68 Start: 44844, Stop: 45257, Start Num: 15

Candidate Starts for ChotaBhai_68:

(1, 44670), (Start: 15 @44844 has 132 MA's), (35, 44985), (40, 45027), (51, 45135), (59, 45174), (62, 45231),

Gene: ChutneyChips_43 Start: 34367, Stop: 34690, Start Num: 19

Candidate Starts for ChutneyChips_43:

(Start: 2 @34262 has 3 MA's), (Start: 3 @34274 has 10 MA's), (Start: 4 @34277 has 5 MA's), (Start: 19 @34367 has 22 MA's), (21, 34385), (26, 34412), (27, 34415), (36, 34493), (46, 34556), (59, 34619), (61, 34667),

Gene: CicholasNage_43 Start: 34148, Stop: 34477, Start Num: 19

Candidate Starts for CicholasNage_43:

(Start: 2 @34040 has 3 MA's), (Start: 5 @34061 has 43 MA's), (14, 34127), (Start: 19 @34148 has 22 MA's), (21, 34166), (28, 34205), (30, 34217), (36, 34274), (45, 34334), (61, 34454),

Gene: Cjw1_68 Start: 46229, Stop: 46639, Start Num: 15

Candidate Starts for Cjw1_68:

(Start: 15 @46229 has 132 MA's), (35, 46370), (41, 46418), (45, 46466), (59, 46559), (60, 46601),

Gene: Claus_45 Start: 35375, Stop: 35791, Start Num: 5

Candidate Starts for Claus_45:

(Start: 3 @35366 has 10 MA's), (Start: 5 @35375 has 43 MA's), (Start: 19 @35462 has 22 MA's), (21, 35480), (26, 35507), (27, 35510), (36, 35588), (54, 35705), (61, 35768),

Gene: Clautastrophe_42 Start: 35625, Stop: 36053, Start Num: 2

Candidate Starts for Clautastrophe_42:

(Start: 2 @35625 has 3 MA's), (Start: 3 @35637 has 10 MA's), (Start: 5 @35646 has 43 MA's), (Start: 19 @35730 has 22 MA's), (21, 35748), (23, 35766), (26, 35775), (43, 35892), (61, 36030),

Gene: Command613_70 Start: 45568, Stop: 45978, Start Num: 15

Candidate Starts for Command613_70:

(1, 45394), (Start: 15 @45568 has 132 MA's), (35, 45709), (41, 45757), (45, 45805), (59, 45898), (60, 45940),

Gene: Contagion_64 Start: 44329, Stop: 44742, Start Num: 15

Candidate Starts for Contagion_64:

(1, 44155), (Start: 15 @44329 has 132 MA's), (35, 44470), (41, 44518), (45, 44566), (59, 44659), (63, 44722),

Gene: Cookies_65 Start: 44698, Stop: 45111, Start Num: 15

Candidate Starts for Cookies_65:

(1, 44524), (Start: 15 @44698 has 132 MA's), (35, 44839), (40, 44881), (51, 44989), (59, 45028),

Gene: Courthouse_129 Start: 69822, Stop: 70175, Start Num: 16

Candidate Starts for Courthouse_129:

(Start: 16 @69822 has 12 MA's), (Start: 18 @69831 has 21 MA's), (55, 70101),

Gene: Crossroads_45 Start: 35358, Stop: 35774, Start Num: 5

Candidate Starts for Crossroads_45:

(Start: 3 @35349 has 10 MA's), (Start: 5 @35358 has 43 MA's), (Start: 19 @35445 has 22 MA's), (21, 35463), (26, 35490), (27, 35493), (36, 35568), (38, 35580), (54, 35688), (61, 35751),

Gene: CrystalP_67 Start: 45513, Stop: 45923, Start Num: 15

Candidate Starts for CrystalP_67:

(1, 45339), (Start: 15 @45513 has 132 MA's), (32, 45609), (35, 45654), (41, 45702), (45, 45750), (59, 45843), (60, 45885),

Gene: Czyszczone1_69 Start: 45038, Stop: 45448, Start Num: 15

Candidate Starts for Czyszczone1_69:

(Start: 15 @45038 has 132 MA's), (35, 45179), (41, 45227), (45, 45275), (59, 45368), (60, 45410),

Gene: DHan_46 Start: 35403, Stop: 35732, Start Num: 19

Candidate Starts for DHan_46:

(Start: 3 @35307 has 10 MA's), (Start: 5 @35316 has 43 MA's), (Start: 19 @35403 has 22 MA's), (21, 35421), (26, 35448), (27, 35451), (36, 35529), (54, 35646), (61, 35709),

Gene: Daikon_75 Start: 47926, Stop: 48297, Start Num: 19

Candidate Starts for Daikon_75:

(Start: 18 @47920 has 21 MA's), (Start: 19 @47926 has 22 MA's), (29, 47998), (35, 48058), (57, 48229),

Gene: Daikon_70 Start: 45656, Stop: 46066, Start Num: 15

Candidate Starts for Daikon_70:

(Start: 15 @45656 has 132 MA's), (35, 45797), (41, 45845), (45, 45893), (59, 45986), (60, 46028),

Gene: DanBing_44 Start: 35295, Stop: 35624, Start Num: 19

Candidate Starts for DanBing_44:

(Start: 3 @35199 has 10 MA's), (Start: 5 @35208 has 43 MA's), (Start: 19 @35295 has 22 MA's), (21, 35313), (26, 35340), (27, 35343), (36, 35421), (54, 35538), (61, 35601),

Gene: DirkDirk_42 Start: 34012, Stop: 34428, Start Num: 5

Candidate Starts for DirkDirk_42:

(Start: 2 @33991 has 3 MA's), (Start: 5 @34012 has 43 MA's), (14, 34078), (Start: 19 @34099 has 22 MA's), (21, 34117), (28, 34156), (30, 34168), (36, 34225), (45, 34285), (61, 34405),

Gene: DoctorDiddles_67 Start: 44888, Stop: 45301, Start Num: 15

Candidate Starts for DoctorDiddles_67:

(1, 44714), (Start: 15 @44888 has 132 MA's), (35, 45029), (40, 45071), (51, 45179), (59, 45218), (63, 45281),

Gene: Douge_42 Start: 34035, Stop: 34448, Start Num: 4

Candidate Starts for Douge_42:

(Start: 2 @34020 has 3 MA's), (Start: 3 @34032 has 10 MA's), (Start: 4 @34035 has 5 MA's), (Start: 19 @34125 has 22 MA's), (21, 34143), (26, 34170), (27, 34173), (36, 34251), (46, 34314), (59, 34377), (61, 34425),

Gene: Douzhi_42 Start: 34231, Stop: 34554, Start Num: 19

Candidate Starts for Douzhi_42:

(Start: 2 @34126 has 3 MA's), (Start: 3 @34138 has 10 MA's), (Start: 4 @34141 has 5 MA's), (Start: 19 @34231 has 22 MA's), (21, 34249), (26, 34276), (27, 34279), (36, 34357), (46, 34420), (59, 34483), (61, 34531),

Gene: DrDrey_68 Start: 45954, Stop: 46364, Start Num: 15

Candidate Starts for DrDrey_68:

(Start: 15 @45954 has 132 MA's), (35, 46095), (41, 46143), (45, 46191), (59, 46284), (60, 46326),

Gene: DrSeegs_45 Start: 35356, Stop: 35772, Start Num: 5

Candidate Starts for DrSeegs_45:

(Start: 3 @35347 has 10 MA's), (Start: 5 @35356 has 43 MA's), (Start: 19 @35443 has 22 MA's), (21, 35461), (26, 35488), (27, 35491), (36, 35566), (38, 35578), (54, 35686), (61, 35749),

Gene: Dumbo_68 Start: 44437, Stop: 44847, Start Num: 15

Candidate Starts for Dumbo_68:

(Start: 15 @44437 has 132 MA's), (35, 44578), (41, 44626), (45, 44674), (59, 44767), (60, 44809),

Gene: DuncansLeg_42 Start: 35754, Stop: 36077, Start Num: 19

Candidate Starts for DuncansLeg_42:

(Start: 2 @35646 has 3 MA's), (Start: 3 @35658 has 10 MA's), (Start: 5 @35667 has 43 MA's), (Start: 6 @35670 has 1 MA's), (Start: 19 @35754 has 22 MA's), (21, 35772), (23, 35790), (26, 35799), (43, 35916), (61, 36054),

Gene: Dusk_65 Start: 44734, Stop: 45144, Start Num: 15

Candidate Starts for Dusk_65:

(Start: 15 @44734 has 132 MA's), (35, 44875), (41, 44923), (45, 44971), (59, 45064), (60, 45106),

Gene: DyoEdafos_44 Start: 34357, Stop: 34776, Start Num: 4

Candidate Starts for DyoEdafos_44:

(Start: 2 @34342 has 3 MA's), (Start: 3 @34354 has 10 MA's), (Start: 4 @34357 has 5 MA's), (Start: 19 @34447 has 22 MA's), (21, 34465), (26, 34492), (36, 34570), (46, 34642), (61, 34753),

Gene: Easy2Say_74 Start: 48248, Stop: 48619, Start Num: 19

Candidate Starts for Easy2Say_74:

(Start: 18 @48242 has 21 MA's), (Start: 19 @48248 has 22 MA's), (29, 48320), (35, 48380), (57, 48551),

Gene: Easy2Say_69 Start: 45975, Stop: 46385, Start Num: 15

Candidate Starts for Easy2Say_69:

(1, 45801), (Start: 15 @45975 has 132 MA's), (32, 46071), (35, 46116), (41, 46164), (45, 46212), (59, 46305), (60, 46347),

Gene: Elite2014_67 Start: 44531, Stop: 44941, Start Num: 15

Candidate Starts for Elite2014_67:

(Start: 15 @44531 has 132 MA's), (35, 44672), (41, 44720), (45, 44768), (59, 44861), (60, 44903),

Gene: Ellson_42 Start: 35730, Stop: 36053, Start Num: 19

Candidate Starts for Ellson_42:

(Start: 2 @35622 has 3 MA's), (Start: 3 @35634 has 10 MA's), (Start: 5 @35643 has 43 MA's), (Start: 6 @35646 has 1 MA's), (Start: 19 @35730 has 22 MA's), (21, 35748), (23, 35766), (26, 35775), (43, 35892), (61, 36030),

Gene: Elph10_68 Start: 44536, Stop: 44946, Start Num: 15

Candidate Starts for Elph10_68:

(Start: 15 @44536 has 132 MA's), (35, 44677), (41, 44725), (45, 44773), (59, 44866), (60, 44908),

Gene: Emmina_68 Start: 44438, Stop: 44848, Start Num: 15

Candidate Starts for Emmina_68:

(1, 44264), (Start: 15 @44438 has 132 MA's), (35, 44579), (41, 44627), (45, 44675), (59, 44768), (60, 44810),

Gene: Enceladus_42 Start: 33995, Stop: 34411, Start Num: 5

Candidate Starts for Enceladus_42:

(Start: 2 @33974 has 3 MA's), (Start: 5 @33995 has 43 MA's), (14, 34061), (Start: 19 @34082 has 22 MA's), (21, 34100), (28, 34139), (30, 34151), (36, 34208), (45, 34268), (61, 34388),

Gene: Eureka_66 Start: 45002, Stop: 45412, Start Num: 15

Candidate Starts for Eureka_66:

(Start: 15 @45002 has 132 MA's), (35, 45143), (41, 45191), (45, 45239), (59, 45332), (60, 45374),

Gene: FairyPath_69 Start: 45647, Stop: 46057, Start Num: 15

Candidate Starts for FairyPath_69:

(1, 45473), (Start: 15 @45647 has 132 MA's), (35, 45788), (41, 45836), (45, 45884), (59, 45977), (60, 46019),

Gene: Faith1_45 Start: 35347, Stop: 35772, Start Num: 3

Candidate Starts for Faith1_45:

(Start: 3 @35347 has 10 MA's), (Start: 5 @35356 has 43 MA's), (Start: 19 @35443 has 22 MA's), (21, 35461), (26, 35488), (27, 35491), (36, 35566), (38, 35578), (54, 35686), (61, 35749),

Gene: FarmResident_43 Start: 34169, Stop: 34492, Start Num: 19

Candidate Starts for FarmResident_43:

(Start: 2 @34064 has 3 MA's), (Start: 3 @34076 has 10 MA's), (Start: 4 @34079 has 5 MA's), (Start: 19 @34169 has 22 MA's), (21, 34187), (26, 34214), (27, 34217), (36, 34295), (46, 34358), (59, 34421), (61, 34469),

Gene: Filch_69 Start: 44463, Stop: 44873, Start Num: 15

Candidate Starts for Filch_69:

(Start: 15 @44463 has 132 MA's), (35, 44604), (41, 44652), (45, 44700), (59, 44793), (60, 44835),

Gene: Finemlucis_45 Start: 35623, Stop: 36048, Start Num: 3

Candidate Starts for Finemlucis_45:

(Start: 3 @35623 has 10 MA's), (Start: 5 @35632 has 43 MA's), (Start: 19 @35719 has 22 MA's), (21, 35737), (26, 35764), (27, 35767), (36, 35842), (38, 35854), (54, 35962), (61, 36025),

Gene: Finnry_42 Start: 35733, Stop: 36056, Start Num: 19

Candidate Starts for Finnry_42:

(Start: 2 @35628 has 3 MA's), (Start: 3 @35640 has 10 MA's), (Start: 5 @35649 has 43 MA's), (Start: 19 @35733 has 22 MA's), (21, 35751), (23, 35769), (26, 35778), (43, 35895), (61, 36033),

Gene: FireRed_72 Start: 46025, Stop: 46438, Start Num: 15

Candidate Starts for FireRed_72:

(1, 45851), (Start: 15 @46025 has 132 MA's), (35, 46166), (41, 46214), (45, 46262), (59, 46355), (63, 46418),

Gene: Flypotenuse_69 Start: 46783, Stop: 47160, Start Num: 18

Candidate Starts for Flypotenuse_69:

(Start: 18 @46783 has 21 MA's), (Start: 19 @46789 has 22 MA's), (29, 46861), (35, 46921), (57, 47092),

Gene: Flypotenuse_64 Start: 44519, Stop: 44929, Start Num: 15

Candidate Starts for Flypotenuse_64:

(Start: 15 @44519 has 132 MA's), (35, 44660), (41, 44708), (45, 44756), (59, 44849), (60, 44891),

Gene: FoghornLeghorn_62 Start: 43529, Stop: 43942, Start Num: 15

Candidate Starts for FoghornLeghorn_62:

(1, 43355), (Start: 15 @43529 has 132 MA's), (35, 43670), (40, 43712), (51, 43820), (59, 43859), (63, 43922),

Gene: Fryberger_66 Start: 37289, Stop: 36822, Start Num: 9

Candidate Starts for Fryberger_66:

(Start: 9 @37289 has 1 MA's), (10, 37286), (Start: 17 @37241 has 4 MA's), (21, 37220), (34, 37133), (35, 37124), (37, 37103), (44, 37061), (49, 36998), (50, 36992), (58, 36953), (64, 36887),

Gene: Gabriela_45 Start: 35618, Stop: 36034, Start Num: 5

Candidate Starts for Gabriela_45:

(Start: 3 @35609 has 10 MA's), (Start: 5 @35618 has 43 MA's), (Start: 19 @35705 has 22 MA's), (21, 35723), (26, 35750), (27, 35753), (36, 35828), (38, 35840), (54, 35948), (61, 36011),

Gene: Gage_70 Start: 45309, Stop: 45719, Start Num: 15

Candidate Starts for Gage_70:

(1, 45135), (Start: 15 @45309 has 132 MA's), (35, 45450), (41, 45498), (45, 45546), (59, 45639), (60, 45681),

Gene: Gage_75 Start: 47576, Stop: 47953, Start Num: 18

Candidate Starts for Gage_75:

(Start: 18 @47576 has 21 MA's), (Start: 19 @47582 has 22 MA's), (29, 47654), (35, 47714), (57, 47885),

Gene: Gardann_45 Start: 35357, Stop: 35773, Start Num: 5

Candidate Starts for Gardann_45:

(Start: 3 @35348 has 10 MA's), (Start: 5 @35357 has 43 MA's), (Start: 19 @35444 has 22 MA's), (21, 35462), (26, 35489), (27, 35492), (36, 35567), (38, 35579), (54, 35687), (61, 35750),

Gene: Gator_66 Start: 45365, Stop: 45775, Start Num: 15
Candidate Starts for Gator_66:
(Start: 15 @45365 has 132 MA's), (35, 45506), (41, 45554), (45, 45602), (59, 45695), (60, 45737),

Gene: Gemini_73 Start: 45826, Stop: 46236, Start Num: 15
Candidate Starts for Gemini_73:
(1, 45652), (Start: 15 @45826 has 132 MA's), (35, 45967), (41, 46015), (45, 46063), (59, 46156), (60, 46198),

Gene: Gemini_78 Start: 48093, Stop: 48470, Start Num: 18
Candidate Starts for Gemini_78:
(Start: 18 @48093 has 21 MA's), (Start: 19 @48099 has 22 MA's), (29, 48171), (35, 48231), (57, 48402),

Gene: Glexan_67 Start: 45646, Stop: 46059, Start Num: 15
Candidate Starts for Glexan_67:
(1, 45472), (Start: 15 @45646 has 132 MA's), (35, 45787), (40, 45829), (51, 45937), (59, 45976), (63, 46039),

Gene: Glexan_72 Start: 47913, Stop: 48290, Start Num: 18
Candidate Starts for Glexan_72:
(Start: 18 @47913 has 21 MA's), (Start: 19 @47919 has 22 MA's), (29, 47991), (35, 48051), (57, 48222),

Gene: Goku_66 Start: 44731, Stop: 45141, Start Num: 15
Candidate Starts for Goku_66:
(Start: 15 @44731 has 132 MA's), (35, 44872), (41, 44920), (45, 44968), (59, 45061), (60, 45103),

Gene: GoldenSpark_77 Start: 47582, Stop: 47953, Start Num: 19
Candidate Starts for GoldenSpark_77:
(Start: 18 @47576 has 21 MA's), (Start: 19 @47582 has 22 MA's), (29, 47654), (35, 47714), (57, 47885),

Gene: GoldenSpark_72 Start: 45309, Stop: 45719, Start Num: 15
Candidate Starts for GoldenSpark_72:
(1, 45135), (Start: 15 @45309 has 132 MA's), (35, 45450), (41, 45498), (45, 45546), (59, 45639), (60, 45681),

Gene: Goldilocks_71 Start: 44810, Stop: 45220, Start Num: 15
Candidate Starts for Goldilocks_71:
(1, 44636), (Start: 15 @44810 has 132 MA's), (35, 44951), (41, 44999), (45, 45047), (59, 45140), (60, 45182),

Gene: Gonephishing_128 Start: 69464, Stop: 69817, Start Num: 16
Candidate Starts for Gonephishing_128:
(Start: 16 @69464 has 12 MA's), (Start: 18 @69473 has 21 MA's), (55, 69743), (60, 69794),

Gene: GooberAzure_71 Start: 45309, Stop: 45719, Start Num: 15
Candidate Starts for GooberAzure_71:
(1, 45135), (Start: 15 @45309 has 132 MA's), (35, 45450), (41, 45498), (45, 45546), (59, 45639), (60, 45681),

Gene: GooberAzure_76 Start: 47576, Stop: 47953, Start Num: 18
Candidate Starts for GooberAzure_76:
(Start: 18 @47576 has 21 MA's), (Start: 19 @47582 has 22 MA's), (29, 47654), (35, 47714), (57, 47885),

Gene: Greep_72 Start: 46314, Stop: 46724, Start Num: 15
Candidate Starts for Greep_72:
(Start: 15 @46314 has 132 MA's), (35, 46455), (41, 46503), (45, 46551), (59, 46644), (60, 46686),

Gene: Guey18_72 Start: 38757, Stop: 38341, Start Num: 17
Candidate Starts for Guey18_72:
(Start: 9 @38805 has 1 MA's), (10, 38802), (Start: 17 @38757 has 4 MA's), (21, 38736), (34, 38649), (35, 38640), (36, 38628), (37, 38619), (44, 38577), (49, 38514), (64, 38406),

Gene: GuuelaD_44 Start: 35386, Stop: 35811, Start Num: 3
Candidate Starts for GuuelaD_44:
(Start: 3 @35386 has 10 MA's), (Start: 5 @35395 has 43 MA's), (Start: 19 @35482 has 22 MA's), (21, 35500), (26, 35527), (27, 35530), (36, 35605), (38, 35617), (54, 35725), (61, 35788),

Gene: Hafay_45 Start: 35477, Stop: 35806, Start Num: 19
Candidate Starts for Hafay_45:
(Start: 3 @35381 has 10 MA's), (Start: 5 @35390 has 43 MA's), (Start: 19 @35477 has 22 MA's), (21, 35495), (26, 35522), (27, 35525), (36, 35600), (38, 35612), (54, 35720), (61, 35783),

Gene: Halena_42 Start: 34036, Stop: 34452, Start Num: 5
Candidate Starts for Halena_42:
(Start: 2 @34015 has 3 MA's), (Start: 5 @34036 has 43 MA's), (14, 34102), (Start: 19 @34123 has 22 MA's), (21, 34141), (28, 34180), (30, 34192), (36, 34249), (45, 34309), (61, 34429),

Gene: HanKaySha_68 Start: 44616, Stop: 45026, Start Num: 15
Candidate Starts for HanKaySha_68:
(Start: 15 @44616 has 132 MA's), (35, 44757), (41, 44805), (45, 44853), (59, 44946), (60, 44988),

Gene: Hannaconda_127 Start: 70117, Stop: 70470, Start Num: 16
Candidate Starts for Hannaconda_127:
(Start: 16 @70117 has 12 MA's), (Start: 18 @70126 has 21 MA's), (55, 70396), (60, 70447),

Gene: Harella_73 Start: 48429, Stop: 48806, Start Num: 18
Candidate Starts for Harella_73:
(Start: 18 @48429 has 21 MA's), (Start: 19 @48435 has 22 MA's), (29, 48507), (35, 48567), (57, 48738),

Gene: Harella_68 Start: 46162, Stop: 46575, Start Num: 15
Candidate Starts for Harella_68:
(1, 45988), (Start: 15 @46162 has 132 MA's), (35, 46303), (40, 46345), (51, 46453), (59, 46492), (63, 46555),

Gene: Henry_66 Start: 44953, Stop: 45363, Start Num: 15
Candidate Starts for Henry_66:
(1, 44779), (Start: 15 @44953 has 132 MA's), (32, 45049), (35, 45094), (41, 45142), (45, 45190), (59, 45283), (60, 45325),

Gene: Highbury_67 Start: 44604, Stop: 45014, Start Num: 15

Candidate Starts for Highbury_67:

(Start: 15 @44604 has 132 MA's), (35, 44745), (41, 44793), (45, 44841), (59, 44934), (60, 44976),

Gene: Holt_78 Start: 47990, Stop: 48367, Start Num: 18

Candidate Starts for Holt_78:

(Start: 18 @47990 has 21 MA's), (Start: 19 @47996 has 22 MA's), (29, 48068), (35, 48128), (57, 48299),

Gene: Holt_73 Start: 45723, Stop: 46133, Start Num: 15

Candidate Starts for Holt_73:

(1, 45549), (Start: 15 @45723 has 132 MA's), (35, 45864), (41, 45912), (45, 45960), (59, 46053), (60, 46095),

Gene: Hoonter_71 Start: 45309, Stop: 45719, Start Num: 15

Candidate Starts for Hoonter_71:

(1, 45135), (Start: 15 @45309 has 132 MA's), (35, 45450), (41, 45498), (45, 45546), (59, 45639), (60, 45681),

Gene: Hoonter_76 Start: 47576, Stop: 47953, Start Num: 18

Candidate Starts for Hoonter_76:

(Start: 18 @47576 has 21 MA's), (Start: 19 @47582 has 22 MA's), (29, 47654), (35, 47714), (57, 47885),

Gene: Hokey_68 Start: 45148, Stop: 45558, Start Num: 15

Candidate Starts for Hokey_68:

(Start: 15 @45148 has 132 MA's), (35, 45289), (41, 45337), (45, 45385), (59, 45478), (60, 45520),

Gene: HufflyPuff_71 Start: 45981, Stop: 46391, Start Num: 15

Candidate Starts for HufflyPuff_71:

(Start: 15 @45981 has 132 MA's), (35, 46122), (41, 46170), (45, 46218), (59, 46311), (60, 46353),

Gene: IHOP_66 Start: 45077, Stop: 45487, Start Num: 15

Candidate Starts for IHOP_66:

(Start: 15 @45077 has 132 MA's), (35, 45218), (41, 45266), (45, 45314), (59, 45407), (60, 45449),

Gene: Icee_74 Start: 47246, Stop: 47617, Start Num: 19

Candidate Starts for Icee_74:

(Start: 18 @47240 has 21 MA's), (Start: 19 @47246 has 22 MA's), (29, 47318), (35, 47378), (57, 47549),

Gene: Icee_69 Start: 44976, Stop: 45386, Start Num: 15

Candidate Starts for Icee_69:

(Start: 15 @44976 has 132 MA's), (35, 45117), (41, 45165), (45, 45213), (59, 45306), (60, 45348),

Gene: Inca_65 Start: 43602, Stop: 44012, Start Num: 15

Candidate Starts for Inca_65:

(1, 43428), (Start: 15 @43602 has 132 MA's), (35, 43743), (41, 43791), (45, 43839), (59, 43932), (60, 43974),

Gene: Itos_44 Start: 34253, Stop: 34678, Start Num: 3

Candidate Starts for Itos_44:

(Start: 3 @34253 has 10 MA's), (Start: 5 @34262 has 43 MA's), (Start: 19 @34349 has 22 MA's), (21, 34367), (26, 34394), (27, 34397), (36, 34472), (38, 34484), (54, 34592), (61, 34655),

Gene: JeTaime_73 Start: 48064, Stop: 48435, Start Num: 18

Candidate Starts for JeTaime_73:

(Start: 18 @48064 has 21 MA's), (Start: 19 @48070 has 22 MA's), (29, 48142), (35, 48196), (57, 48367),

Gene: JeTaime_68 Start: 45800, Stop: 46210, Start Num: 15

Candidate Starts for JeTaime_68:

(1, 45626), (Start: 15 @45800 has 132 MA's), (35, 45941), (41, 45989), (45, 46037), (59, 46130), (60, 46172),

Gene: Jobypre_42 Start: 35730, Stop: 36053, Start Num: 19

Candidate Starts for Jobypre_42:

(Start: 2 @35625 has 3 MA's), (Start: 3 @35637 has 10 MA's), (Start: 5 @35646 has 43 MA's), (Start: 19 @35730 has 22 MA's), (21, 35748), (23, 35766), (26, 35775), (43, 35892), (61, 36030),

Gene: JoeDirt_42 Start: 33993, Stop: 34409, Start Num: 5

Candidate Starts for JoeDirt_42:

(Start: 2 @33972 has 3 MA's), (Start: 5 @33993 has 43 MA's), (14, 34059), (Start: 19 @34080 has 22 MA's), (21, 34098), (28, 34137), (30, 34149), (36, 34206), (45, 34266), (61, 34386),

Gene: Jubie_42 Start: 35647, Stop: 36054, Start Num: 5

Candidate Starts for Jubie_42:

(Start: 2 @35626 has 3 MA's), (Start: 3 @35638 has 10 MA's), (Start: 5 @35647 has 43 MA's), (Start: 19 @35731 has 22 MA's), (21, 35749), (23, 35767), (26, 35776), (43, 35893), (61, 36031),

Gene: Kahlid_45 Start: 35362, Stop: 35778, Start Num: 5

Candidate Starts for Kahlid_45:

(Start: 3 @35353 has 10 MA's), (Start: 5 @35362 has 43 MA's), (Start: 19 @35449 has 22 MA's), (21, 35467), (26, 35494), (27, 35497), (36, 35572), (38, 35584), (54, 35692), (61, 35755),

Gene: Kanye_65 Start: 44658, Stop: 45068, Start Num: 15

Candidate Starts for Kanye_65:

(Start: 15 @44658 has 132 MA's), (35, 44799), (41, 44847), (45, 44895), (59, 44988), (60, 45030),

Gene: KashFlow_131 Start: 71552, Stop: 71905, Start Num: 16

Candidate Starts for KashFlow_131:

(Start: 16 @71552 has 12 MA's), (Start: 18 @71561 has 21 MA's), (55, 71831), (60, 71882),

Gene: Keelan_65 Start: 37692, Stop: 37240, Start Num: 6

Candidate Starts for Keelan_65:

(Start: 6 @37692 has 1 MA's), (7, 37689), (11, 37662), (Start: 17 @37620 has 4 MA's), (22, 37569), (24, 37560), (31, 37527), (37, 37464), (42, 37425), (47, 37389), (48, 37371), (52, 37347), (65, 37254), (67, 37245),

Gene: Kimchi_77 Start: 47579, Stop: 47956, Start Num: 18

Candidate Starts for Kimchi_77:

(Start: 18 @47579 has 21 MA's), (Start: 19 @47585 has 22 MA's), (29, 47657), (35, 47717), (57, 47888),

Gene: Kimchi_72 Start: 45312, Stop: 45722, Start Num: 15

Candidate Starts for Kimchi_72:

(1, 45138), (Start: 15 @45312 has 132 MA's), (35, 45453), (41, 45501), (45, 45549), (59, 45642), (60, 45684),

Gene: Kingsolomon_42 Start: 35730, Stop: 36053, Start Num: 19

Candidate Starts for Kingsolomon_42:

(Start: 2 @35625 has 3 MA's), (Start: 3 @35637 has 10 MA's), (Start: 5 @35646 has 43 MA's), (Start: 19 @35730 has 22 MA's), (21, 35748), (23, 35766), (26, 35775), (43, 35892), (61, 36030),

Gene: KirDoubleO7_40 Start: 35758, Stop: 36081, Start Num: 19

Candidate Starts for KirDoubleO7_40:

(Start: 2 @35650 has 3 MA's), (Start: 3 @35662 has 10 MA's), (Start: 5 @35671 has 43 MA's), (Start: 6 @35674 has 1 MA's), (Start: 19 @35758 has 22 MA's), (21, 35776), (23, 35794), (26, 35803), (43, 35920), (61, 36058),

Gene: Kostya_68 Start: 45176, Stop: 45586, Start Num: 15

Candidate Starts for Kostya_68:

(Start: 15 @45176 has 132 MA's), (35, 45317), (41, 45365), (45, 45413), (59, 45506), (60, 45548),

Gene: Kropertea_43 Start: 34180, Stop: 34599, Start Num: 4

Candidate Starts for Kropertea_43:

(Start: 2 @34165 has 3 MA's), (Start: 3 @34177 has 10 MA's), (Start: 4 @34180 has 5 MA's), (Start: 19 @34270 has 22 MA's), (21, 34288), (26, 34315), (36, 34393), (46, 34465), (61, 34576),

Gene: Krypton555_42 Start: 35542, Stop: 35970, Start Num: 2

Candidate Starts for Krypton555_42:

(Start: 2 @35542 has 3 MA's), (Start: 3 @35554 has 10 MA's), (Start: 5 @35563 has 43 MA's), (Start: 19 @35647 has 22 MA's), (21, 35665), (23, 35683), (26, 35692), (43, 35809), (61, 35947),

Gene: Labelle_59 Start: 43035, Stop: 43403, Start Num: 16

Candidate Starts for Labelle_59:

(Start: 16 @43035 has 12 MA's), (21, 43056), (36, 43164), (37, 43173), (48, 43269), (53, 43296),

Gene: LeBron_43 Start: 34037, Stop: 34453, Start Num: 5

Candidate Starts for LeBron_43:

(Start: 2 @34016 has 3 MA's), (Start: 5 @34037 has 43 MA's), (14, 34103), (Start: 19 @34124 has 22 MA's), (21, 34142), (28, 34181), (30, 34193), (36, 34250), (45, 34310), (61, 34430),

Gene: Lewan_45 Start: 35349, Stop: 35765, Start Num: 5

Candidate Starts for Lewan_45:

(Start: 3 @35340 has 10 MA's), (Start: 5 @35349 has 43 MA's), (Start: 19 @35436 has 22 MA's), (21, 35454), (26, 35481), (27, 35484), (36, 35559), (38, 35571), (54, 35679), (61, 35742),

Gene: LilDestine_45 Start: 35354, Stop: 35770, Start Num: 5

Candidate Starts for LilDestine_45:

(Start: 3 @35345 has 10 MA's), (Start: 5 @35354 has 43 MA's), (Start: 19 @35441 has 22 MA's), (21, 35459), (26, 35486), (27, 35489), (36, 35564), (38, 35576), (54, 35684), (61, 35747),

Gene: Lilac_70 Start: 44933, Stop: 45343, Start Num: 15

Candidate Starts for Lilac_70:

(Start: 15 @44933 has 132 MA's), (35, 45074), (41, 45122), (45, 45170), (59, 45263), (60, 45305),

Gene: Lilizi_69 Start: 44646, Stop: 45056, Start Num: 15

Candidate Starts for Lilizi_69:

(1, 44472), (Start: 15 @44646 has 132 MA's), (35, 44787), (41, 44835), (45, 44883), (59, 44976), (60, 45018),

Gene: Lilpickle_67 Start: 44531, Stop: 44941, Start Num: 15

Candidate Starts for Lilpickle_67:

(Start: 15 @44531 has 132 MA's), (35, 44672), (41, 44720), (45, 44768), (59, 44861), (60, 44903),

Gene: LittleE_136 Start: 72806, Stop: 73159, Start Num: 16

Candidate Starts for LittleE_136:

(Start: 16 @72806 has 12 MA's), (Start: 18 @72815 has 21 MA's),

Gene: Liveloughbron_70 Start: 46109, Stop: 46519, Start Num: 15

Candidate Starts for Liveloughbron_70:

(Start: 15 @46109 has 132 MA's), (35, 46250), (41, 46298), (45, 46346), (59, 46439), (60, 46481),

Gene: LiyuLake_42 Start: 35720, Stop: 36043, Start Num: 19

Candidate Starts for LiyuLake_42:

(Start: 2 @35612 has 3 MA's), (Start: 3 @35624 has 10 MA's), (Start: 5 @35633 has 43 MA's), (Start: 6 @35636 has 1 MA's), (Start: 19 @35720 has 22 MA's), (21, 35738), (23, 35756), (26, 35765), (43, 35882), (61, 36020),

Gene: Loadrie_44 Start: 35379, Stop: 35804, Start Num: 3

Candidate Starts for Loadrie_44:

(Start: 3 @35379 has 10 MA's), (Start: 5 @35388 has 43 MA's), (Start: 19 @35475 has 22 MA's), (21, 35493), (26, 35520), (27, 35523), (36, 35598), (38, 35610), (54, 35718), (61, 35781),

Gene: Lolly9_42 Start: 35541, Stop: 35864, Start Num: 19

Candidate Starts for Lolly9_42:

(Start: 2 @35436 has 3 MA's), (Start: 5 @35457 has 43 MA's), (Start: 19 @35541 has 22 MA's), (21, 35559), (23, 35577), (26, 35586), (43, 35703), (61, 35841),

Gene: Lucky2013_128 Start: 69682, Stop: 70035, Start Num: 16

Candidate Starts for Lucky2013_128:

(Start: 16 @69682 has 12 MA's), (Start: 18 @69691 has 21 MA's), (55, 69961), (60, 70012),

Gene: Lumos_42 Start: 35643, Stop: 36050, Start Num: 5

Candidate Starts for Lumos_42:

(Start: 2 @35622 has 3 MA's), (Start: 3 @35634 has 10 MA's), (Start: 5 @35643 has 43 MA's), (Start: 19 @35727 has 22 MA's), (21, 35745), (23, 35763), (26, 35772), (43, 35889), (61, 36027),

Gene: Lynnae_45 Start: 35432, Stop: 35761, Start Num: 19

Candidate Starts for Lynnae_45:

(Start: 3 @35336 has 10 MA's), (Start: 5 @35345 has 43 MA's), (Start: 19 @35432 has 22 MA's), (21, 35450), (26, 35477), (27, 35480), (36, 35555), (38, 35567), (54, 35675), (61, 35738),

Gene: MAckerman_43 Start: 34117, Stop: 34446, Start Num: 19

Candidate Starts for MAckerman_43:

(Start: 2 @34009 has 3 MA's), (Start: 5 @34030 has 43 MA's), (14, 34096), (Start: 19 @34117 has 22 MA's), (21, 34135), (28, 34174), (30, 34186), (36, 34243), (45, 34303), (61, 34423),

Gene: MISSy_69 Start: 45034, Stop: 45447, Start Num: 15

Candidate Starts for MISSy_69:

(1, 44860), (Start: 15 @45034 has 132 MA's), (35, 45175), (41, 45223), (45, 45271), (59, 45364), (63, 45427),

Gene: MPhalcon_69 Start: 45027, Stop: 45440, Start Num: 15

Candidate Starts for MPhalcon_69:

(1, 44853), (Start: 15 @45027 has 132 MA's), (35, 45168), (41, 45216), (45, 45264), (59, 45357), (63, 45420),

Gene: MadamMonkfish_68 Start: 44255, Stop: 44665, Start Num: 15

Candidate Starts for MadamMonkfish_68:

(1, 44081), (Start: 15 @44255 has 132 MA's), (35, 44396), (41, 44444), (45, 44492), (59, 44585), (60, 44627),

Gene: Manda_68 Start: 45536, Stop: 45946, Start Num: 15

Candidate Starts for Manda_68:

(Start: 15 @45536 has 132 MA's), (35, 45677), (41, 45725), (45, 45773), (59, 45866), (60, 45908),

Gene: Marshmallow_71 Start: 48077, Stop: 48448, Start Num: 19

Candidate Starts for Marshmallow_71:

(Start: 18 @48071 has 21 MA's), (Start: 19 @48077 has 22 MA's), (29, 48149), (35, 48209), (57, 48380),

Gene: Marshmallow_66 Start: 45804, Stop: 46214, Start Num: 15

Candidate Starts for Marshmallow_66:

(Start: 15 @45804 has 132 MA's), (35, 45945), (41, 45993), (45, 46041), (59, 46134), (60, 46176),

Gene: Maxxinista_70 Start: 44906, Stop: 45316, Start Num: 15

Candidate Starts for Maxxinista_70:

(Start: 15 @44906 has 132 MA's), (35, 45047), (41, 45095), (45, 45143), (59, 45236), (60, 45278),

Gene: MiaZeal_133 Start: 70821, Stop: 71174, Start Num: 16

Candidate Starts for MiaZeal_133:

(Start: 16 @70821 has 12 MA's), (Start: 18 @70830 has 21 MA's), (55, 71100), (60, 71151),

Gene: Miley16_45 Start: 35347, Stop: 35772, Start Num: 3

Candidate Starts for Miley16_45:

(Start: 3 @35347 has 10 MA's), (Start: 5 @35356 has 43 MA's), (Start: 19 @35443 has 22 MA's), (21, 35461), (26, 35488), (27, 35491), (36, 35566), (38, 35578), (54, 35686), (61, 35749),

Gene: Mindy_67 Start: 44119, Stop: 44529, Start Num: 15

Candidate Starts for Mindy_67:

(1, 43945), (Start: 15 @44119 has 132 MA's), (32, 44215), (35, 44260), (41, 44308), (45, 44356), (59, 44449), (60, 44491),

Gene: MiniLon_42 Start: 35458, Stop: 35865, Start Num: 5

Candidate Starts for MiniLon_42:

(Start: 2 @35437 has 3 MA's), (Start: 5 @35458 has 43 MA's), (Start: 19 @35542 has 22 MA's), (21, 35560), (23, 35578), (26, 35587), (43, 35704), (61, 35842),

Gene: MiniMac_42 Start: 35455, Stop: 35862, Start Num: 5

Candidate Starts for MiniMac_42:

(Start: 2 @35434 has 3 MA's), (Start: 5 @35455 has 43 MA's), (Start: 19 @35539 has 22 MA's), (21, 35557), (23, 35575), (26, 35584), (43, 35701), (61, 35839),

Gene: Miniwave_63 Start: 44572, Stop: 44982, Start Num: 15

Candidate Starts for Miniwave_63:

(Start: 15 @44572 has 132 MA's), (35, 44713), (41, 44761), (45, 44809), (59, 44902), (60, 44944),

Gene: Misfit_69 Start: 46046, Stop: 46459, Start Num: 15

Candidate Starts for Misfit_69:

(1, 45872), (Start: 15 @46046 has 132 MA's), (35, 46187), (41, 46235), (45, 46283), (59, 46376), (63, 46439),

Gene: MkaliMitinis3_45 Start: 35358, Stop: 35774, Start Num: 5

Candidate Starts for MkaliMitinis3_45:

(Start: 3 @35349 has 10 MA's), (Start: 5 @35358 has 43 MA's), (Start: 19 @35445 has 22 MA's), (21, 35463), (26, 35490), (27, 35493), (36, 35568), (38, 35580), (54, 35688), (61, 35751),

Gene: Moldemort_71 Start: 45128, Stop: 45538, Start Num: 15

Candidate Starts for Moldemort_71:

(1, 44954), (Start: 15 @45128 has 132 MA's), (32, 45224), (35, 45269), (41, 45317), (45, 45365), (59, 45458), (60, 45500),

Gene: MollyToe_63 Start: 43876, Stop: 44289, Start Num: 15

Candidate Starts for MollyToe_63:

(1, 43702), (Start: 15 @43876 has 132 MA's), (35, 44017), (40, 44059), (51, 44167), (59, 44206), (63, 44269),

Gene: MollyToe_68 Start: 46152, Stop: 46514, Start Num: 19

Candidate Starts for MollyToe_68:

(Start: 18 @46146 has 21 MA's), (Start: 19 @46152 has 22 MA's), (29, 46224), (57, 46446),

Gene: Moostard_42 Start: 35732, Stop: 36055, Start Num: 19

Candidate Starts for Moostard_42:

(Start: 2 @35627 has 3 MA's), (Start: 3 @35639 has 10 MA's), (Start: 5 @35648 has 43 MA's), (Start: 19 @35732 has 22 MA's), (21, 35750), (23, 35768), (26, 35777), (43, 35894), (61, 36032),

Gene: Mosby_64 Start: 44329, Stop: 44742, Start Num: 15

Candidate Starts for Mosby_64:

(1, 44155), (Start: 15 @44329 has 132 MA's), (35, 44470), (41, 44518), (45, 44566), (59, 44659), (63, 44722),

Gene: MsGreen_42 Start: 35625, Stop: 36053, Start Num: 2

Candidate Starts for MsGreen_42:

(Start: 2 @35625 has 3 MA's), (Start: 3 @35637 has 10 MA's), (Start: 5 @35646 has 43 MA's), (Start: 19 @35730 has 22 MA's), (21, 35748), (23, 35766), (26, 35775), (43, 35892), (61, 36030),

Gene: Murica_71 Start: 45981, Stop: 46391, Start Num: 15

Candidate Starts for Murica_71:

(Start: 15 @45981 has 132 MA's), (35, 46122), (41, 46170), (45, 46218), (59, 46311), (60, 46353),

Gene: Murphy_68 Start: 45418, Stop: 45828, Start Num: 15

Candidate Starts for Murphy_68:

(Start: 15 @45418 has 132 MA's), (35, 45559), (41, 45607), (45, 45655), (59, 45748), (60, 45790),

Gene: Myrale_73 Start: 47936, Stop: 48313, Start Num: 18

Candidate Starts for Myrale_73:

(Start: 18 @47936 has 21 MA's), (Start: 19 @47942 has 22 MA's), (29, 48014), (35, 48074), (57, 48245),

Gene: Myrale_68 Start: 45669, Stop: 46079, Start Num: 15

Candidate Starts for Myrale_68:

(Start: 15 @45669 has 132 MA's), (35, 45810), (41, 45858), (45, 45906), (59, 45999), (60, 46041),

Gene: Nala_70 Start: 45539, Stop: 45952, Start Num: 15

Candidate Starts for Nala_70:

(1, 45365), (Start: 15 @45539 has 132 MA's), (35, 45680), (41, 45728), (45, 45776), (59, 45869), (63, 45932),

Gene: Nekros_136 Start: 74272, Stop: 74625, Start Num: 16

Candidate Starts for Nekros_136:

(Start: 16 @74272 has 12 MA's), (Start: 18 @74281 has 21 MA's), (55, 74551),

Gene: NelitzaMV_66 Start: 44618, Stop: 45028, Start Num: 15

Candidate Starts for NelitzaMV_66:

(Start: 15 @44618 has 132 MA's), (35, 44759), (41, 44807), (45, 44855), (59, 44948), (60, 44990),

Gene: Netyap_45 Start: 35356, Stop: 35772, Start Num: 5

Candidate Starts for Netyap_45:

(Start: 3 @35347 has 10 MA's), (Start: 5 @35356 has 43 MA's), (Start: 19 @35443 has 22 MA's), (21, 35461), (26, 35488), (27, 35491), (36, 35566), (38, 35578), (54, 35686), (61, 35749),

Gene: Nibley_130 Start: 70806, Stop: 71159, Start Num: 16

Candidate Starts for Nibley_130:

(Start: 16 @70806 has 12 MA's), (Start: 18 @70815 has 21 MA's), (36, 70941), (55, 71085),

Gene: Nicholas_42 Start: 35730, Stop: 36053, Start Num: 19

Candidate Starts for Nicholas_42:

(Start: 2 @35625 has 3 MA's), (Start: 3 @35637 has 10 MA's), (Start: 5 @35646 has 43 MA's), (Start: 19 @35730 has 22 MA's), (21, 35748), (23, 35766), (26, 35775), (43, 35892), (61, 36030),

Gene: Nicholasp3_45 Start: 35348, Stop: 35773, Start Num: 3

Candidate Starts for Nicholasp3_45:

(Start: 3 @35348 has 10 MA's), (Start: 5 @35357 has 43 MA's), (Start: 19 @35444 has 22 MA's), (21, 35462), (26, 35489), (27, 35492), (36, 35567), (38, 35579), (54, 35687), (61, 35750),

Gene: Nimrod_69 Start: 46236, Stop: 46649, Start Num: 15

Candidate Starts for Nimrod_69:

(1, 46062), (Start: 15 @46236 has 132 MA's), (35, 46377), (41, 46425), (45, 46473), (59, 46566), (63, 46629),

Gene: NoSleep_69 Start: 44876, Stop: 45286, Start Num: 15

Candidate Starts for NoSleep_69:

(Start: 15 @44876 has 132 MA's), (35, 45017), (41, 45065), (45, 45113), (59, 45206), (60, 45248),

Gene: NonchalantPear_68 Start: 44726, Stop: 45136, Start Num: 15

Candidate Starts for NonchalantPear_68:

(1, 44552), (Start: 15 @44726 has 132 MA's), (35, 44867), (41, 44915), (45, 44963), (59, 45056), (60, 45098),

Gene: OhShagHennessy_42 Start: 33983, Stop: 34399, Start Num: 5

Candidate Starts for OhShagHennessy_42:

(Start: 2 @33962 has 3 MA's), (Start: 5 @33983 has 43 MA's), (14, 34049), (Start: 19 @34070 has 22 MA's), (21, 34088), (28, 34127), (30, 34139), (36, 34196), (45, 34256), (61, 34376),

Gene: Omega_143 Start: 74487, Stop: 74840, Start Num: 16

Candidate Starts for Omega_143:

(Start: 16 @74487 has 12 MA's), (Start: 18 @74496 has 21 MA's),

Gene: OrionPax_67 Start: 44624, Stop: 45034, Start Num: 15

Candidate Starts for OrionPax_67:

(Start: 15 @44624 has 132 MA's), (35, 44765), (41, 44813), (45, 44861), (59, 44954), (60, 44996),

Gene: OverPar_45 Start: 35388, Stop: 35804, Start Num: 5

Candidate Starts for OverPar_45:

(Start: 3 @35379 has 10 MA's), (Start: 5 @35388 has 43 MA's), (Start: 19 @35475 has 22 MA's), (21, 35493), (26, 35520), (27, 35523), (36, 35598), (38, 35610), (54, 35718), (61, 35781),

Gene: PYPDinur_41 Start: 34231, Stop: 34560, Start Num: 19

Candidate Starts for PYPDinur_41:

(Start: 2 @34126 has 3 MA's), (Start: 3 @34138 has 10 MA's), (Start: 4 @34141 has 5 MA's), (Start: 19 @34231 has 22 MA's), (21, 34249), (26, 34276), (27, 34279), (36, 34354), (38, 34366), (54, 34474), (61, 34537), (63, 34552),

Gene: PaddyBaddy_68 Start: 44630, Stop: 45040, Start Num: 15

Candidate Starts for PaddyBaddy_68:

(Start: 15 @44630 has 132 MA's), (35, 44771), (41, 44819), (45, 44867), (59, 44960), (60, 45002),

Gene: Palpatine_70 Start: 46008, Stop: 46418, Start Num: 15

Candidate Starts for Palpatine_70:

(Start: 15 @46008 has 132 MA's), (35, 46149), (41, 46197), (45, 46245), (59, 46338), (60, 46380),

Gene: Paperbeatsrock_67 Start: 45250, Stop: 45660, Start Num: 15

Candidate Starts for Paperbeatsrock_67:

(Start: 15 @45250 has 132 MA's), (35, 45391), (41, 45439), (45, 45487), (59, 45580), (60, 45622),

Gene: Pat3_66 Start: 43773, Stop: 44186, Start Num: 15

Candidate Starts for Pat3_66:

(1, 43599), (Start: 15 @43773 has 132 MA's), (35, 43914), (40, 43956), (51, 44064), (59, 44103), (62, 44160),

Gene: Petra64142_72 Start: 46472, Stop: 46885, Start Num: 15

Candidate Starts for Petra64142_72:

(1, 46298), (Start: 15 @46472 has 132 MA's), (35, 46613), (40, 46655), (51, 46763), (59, 46802), (63, 46865),

Gene: Petra64142_77 Start: 48748, Stop: 49110, Start Num: 19

Candidate Starts for Petra64142_77:

(Start: 18 @48742 has 21 MA's), (Start: 19 @48748 has 22 MA's), (29, 48820), (57, 49042),

Gene: Phaja_66 Start: 45076, Stop: 45486, Start Num: 15

Candidate Starts for Phaja_66:

(Start: 15 @45076 has 132 MA's), (35, 45217), (41, 45265), (45, 45313), (59, 45406), (60, 45448),

Gene: Pharsalus_65 Start: 45050, Stop: 45460, Start Num: 15

Candidate Starts for Pharsalus_65:

(Start: 15 @45050 has 132 MA's), (35, 45191), (41, 45239), (45, 45287), (59, 45380), (60, 45422),

Gene: PhatBacter_72 Start: 46025, Stop: 46435, Start Num: 15

Candidate Starts for PhatBacter_72:

(Start: 15 @46025 has 132 MA's), (35, 46166), (41, 46214), (45, 46262), (59, 46355), (60, 46397),

Gene: Phaux_70 Start: 46020, Stop: 46430, Start Num: 15

Candidate Starts for Phaux_70:

(Start: 15 @46020 has 132 MA's), (35, 46161), (41, 46209), (45, 46257), (59, 46350), (60, 46392),

Gene: Phrux_65 Start: 44616, Stop: 45026, Start Num: 15

Candidate Starts for Phrux_65:

(Start: 15 @44616 has 132 MA's), (35, 44757), (41, 44805), (45, 44853), (59, 44946), (60, 44988),

Gene: Policronamos_71 Start: 46020, Stop: 46430, Start Num: 15

Candidate Starts for Policronamos_71:

(Start: 15 @46020 has 132 MA's), (35, 46161), (41, 46209), (45, 46257), (59, 46350), (60, 46392),

Gene: Porcelain_131 Start: 70628, Stop: 70981, Start Num: 16

Candidate Starts for Porcelain_131:

(Start: 16 @70628 has 12 MA's), (Start: 18 @70637 has 21 MA's), (55, 70907), (60, 70958),

Gene: Porky_67 Start: 44446, Stop: 44856, Start Num: 15

Candidate Starts for Porky_67:

(1, 44272), (Start: 15 @44446 has 132 MA's), (35, 44587), (41, 44635), (45, 44683), (59, 44776), (60, 44818),

Gene: Ptowny_65 Start: 43912, Stop: 44322, Start Num: 15

Candidate Starts for Ptowny_65:

(Start: 15 @43912 has 132 MA's), (35, 44053), (41, 44101), (45, 44149), (59, 44242), (60, 44284),

Gene: Pumpkin_71 Start: 45674, Stop: 46084, Start Num: 15

Candidate Starts for Pumpkin_71:

(Start: 15 @45674 has 132 MA's), (35, 45815), (41, 45863), (45, 45911), (59, 46004), (60, 46046),

Gene: Quallification_69 Start: 45658, Stop: 46068, Start Num: 15

Candidate Starts for Quallification_69:

(Start: 15 @45658 has 132 MA's), (35, 45799), (41, 45847), (45, 45895), (59, 45988), (60, 46030),

Gene: Quby_43 Start: 34125, Stop: 34448, Start Num: 19

Candidate Starts for Quby_43:

(Start: 2 @34020 has 3 MA's), (Start: 3 @34032 has 10 MA's), (Start: 4 @34035 has 5 MA's), (8, 34050), (Start: 19 @34125 has 22 MA's), (21, 34143), (26, 34170), (27, 34173), (36, 34251), (46, 34314), (59, 34377), (61, 34425),

Gene: Rakim_69 Start: 45127, Stop: 45537, Start Num: 15

Candidate Starts for Rakim_69:

(Start: 15 @45127 has 132 MA's), (35, 45268), (41, 45316), (45, 45364), (59, 45457), (60, 45499),

Gene: Rearden_132 Start: 71022, Stop: 71375, Start Num: 16

Candidate Starts for Rearden_132:

(Start: 16 @71022 has 12 MA's), (Start: 18 @71031 has 21 MA's), (55, 71301), (60, 71352),

Gene: Red305_42 Start: 35730, Stop: 36053, Start Num: 19

Candidate Starts for Red305_42:

(Start: 2 @35625 has 3 MA's), (Start: 3 @35637 has 10 MA's), (Start: 5 @35646 has 43 MA's), (Start: 19 @35730 has 22 MA's), (21, 35748), (23, 35766), (26, 35775), (43, 35892), (61, 36030),

Gene: Rimmer_74 Start: 47642, Stop: 48004, Start Num: 19

Candidate Starts for Rimmer_74:

(Start: 18 @47636 has 21 MA's), (Start: 19 @47642 has 22 MA's), (29, 47714), (57, 47936),

Gene: Rimmer_69 Start: 45366, Stop: 45779, Start Num: 15

Candidate Starts for Rimmer_69:

(1, 45192), (Start: 15 @45366 has 132 MA's), (35, 45507), (40, 45549), (51, 45657), (59, 45696), (63, 45759),

Gene: RiverMonster_68 Start: 45194, Stop: 45604, Start Num: 15

Candidate Starts for RiverMonster_68:

(Start: 15 @45194 has 132 MA's), (35, 45335), (41, 45383), (45, 45431), (59, 45524), (60, 45566),

Gene: Ronaldo_69 Start: 38131, Stop: 37712, Start Num: 17

Candidate Starts for Ronaldo_69:

(Start: 9 @38179 has 1 MA's), (10, 38176), (Start: 17 @38131 has 4 MA's), (21, 38110), (34, 38023), (35, 38014), (37, 37993), (44, 37951), (49, 37888), (50, 37882), (58, 37843), (64, 37777),

Gene: Rose5_42 Start: 34025, Stop: 34441, Start Num: 5

Candidate Starts for Rose5_42:

(Start: 2 @34004 has 3 MA's), (Start: 5 @34025 has 43 MA's), (14, 34091), (Start: 19 @34112 has 22 MA's), (21, 34130), (28, 34169), (30, 34181), (36, 34238), (45, 34298), (61, 34418),

Gene: Rossetti_46 Start: 36009, Stop: 36320, Start Num: 21

Candidate Starts for Rossetti_46:

(Start: 3 @35895 has 10 MA's), (Start: 5 @35904 has 43 MA's), (Start: 19 @35991 has 22 MA's), (21, 36009), (26, 36036), (27, 36039), (36, 36114), (38, 36126), (54, 36234), (61, 36297),

Gene: Rumpelstiltskin_45 Start: 35623, Stop: 36039, Start Num: 5

Candidate Starts for Rumpelstiltskin_45:

(Start: 3 @35614 has 10 MA's), (Start: 5 @35623 has 43 MA's), (Start: 19 @35710 has 22 MA's), (21, 35728), (26, 35755), (27, 35758), (36, 35833), (38, 35845), (54, 35953), (59, 35968), (61, 36016),

Gene: Saints25_67 Start: 44604, Stop: 45014, Start Num: 15

Candidate Starts for Saints25_67:

(Start: 15 @44604 has 132 MA's), (35, 44745), (41, 44793), (45, 44841), (59, 44934), (60, 44976),

Gene: Samty_42 Start: 35731, Stop: 36054, Start Num: 19

Candidate Starts for Samty_42:

(Start: 2 @35626 has 3 MA's), (Start: 3 @35638 has 10 MA's), (Start: 5 @35647 has 43 MA's), (Start: 19 @35731 has 22 MA's), (21, 35749), (23, 35767), (26, 35776), (43, 35893), (61, 36031),

Gene: Sarshaun_45 Start: 35477, Stop: 35806, Start Num: 19

Candidate Starts for Sarshaun_45:

(Start: 3 @35381 has 10 MA's), (Start: 5 @35390 has 43 MA's), (Start: 19 @35477 has 22 MA's), (21, 35495), (26, 35522), (27, 35525), (36, 35600), (38, 35612), (54, 35720), (61, 35783),

Gene: Sassay_63 Start: 43291, Stop: 43704, Start Num: 15

Candidate Starts for Sassay_63:

(1, 43117), (Start: 15 @43291 has 132 MA's), (35, 43432), (40, 43474), (51, 43582), (59, 43621), (63, 43684),

Gene: Shaboozey_134 Start: 71250, Stop: 71603, Start Num: 16

Candidate Starts for Shaboozey_134:

(Start: 16 @71250 has 12 MA's), (Start: 18 @71259 has 21 MA's), (36, 71385), (55, 71529),

Gene: ShamWow_68 Start: 45513, Stop: 45923, Start Num: 15

Candidate Starts for ShamWow_68:

(1, 45339), (Start: 15 @45513 has 132 MA's), (32, 45609), (35, 45654), (41, 45702), (45, 45750), (59, 45843), (60, 45885),

Gene: Sheng711_43 Start: 34231, Stop: 34560, Start Num: 19

Candidate Starts for Sheng711_43:

(Start: 2 @34126 has 3 MA's), (Start: 3 @34138 has 10 MA's), (Start: 4 @34141 has 5 MA's), (Start: 19 @34231 has 22 MA's), (21, 34249), (26, 34276), (27, 34279), (36, 34354), (38, 34366), (54, 34474), (61, 34537), (63, 34552),

Gene: ShereKhan_67 Start: 45582, Stop: 45992, Start Num: 15

Candidate Starts for ShereKhan_67:

(Start: 15 @45582 has 132 MA's), (35, 45723), (41, 45771), (45, 45819), (59, 45912), (60, 45954),

Gene: Silverleaf_42 Start: 34025, Stop: 34441, Start Num: 5

Candidate Starts for Silverleaf_42:

(Start: 2 @34004 has 3 MA's), (Start: 5 @34025 has 43 MA's), (14, 34091), (Start: 19 @34112 has 22 MA's), (21, 34130), (28, 34169), (30, 34181), (36, 34238), (45, 34298), (61, 34418),

Gene: Simpliphy_67 Start: 44594, Stop: 45004, Start Num: 15

Candidate Starts for Simpliphy_67:

(Start: 15 @44594 has 132 MA's), (35, 44735), (41, 44783), (45, 44831), (59, 44924), (60, 44966),

Gene: SirDuracell_67 Start: 43865, Stop: 44278, Start Num: 15

Candidate Starts for SirDuracell_67:

(1, 43691), (Start: 15 @43865 has 132 MA's), (35, 44006), (40, 44048), (51, 44156), (59, 44195), (63, 44258),

Gene: Snenia_42 Start: 35731, Stop: 36054, Start Num: 19

Candidate Starts for Snenia_42:

(Start: 2 @35626 has 3 MA's), (Start: 3 @35638 has 10 MA's), (Start: 5 @35647 has 43 MA's), (Start: 19 @35731 has 22 MA's), (21, 35749), (23, 35767), (26, 35776), (43, 35893), (61, 36031),

Gene: SoJulia_46 Start: 35703, Stop: 36032, Start Num: 19

Candidate Starts for SoJulia_46:

(Start: 3 @35607 has 10 MA's), (Start: 5 @35616 has 43 MA's), (Start: 19 @35703 has 22 MA's), (21, 35721), (26, 35748), (27, 35751), (36, 35826), (38, 35838), (54, 35946), (61, 36009),

Gene: Soap141_45 Start: 35477, Stop: 35806, Start Num: 19

Candidate Starts for Soap141_45:

(Start: 3 @35381 has 10 MA's), (Start: 5 @35390 has 43 MA's), (Start: 19 @35477 has 22 MA's), (21, 35495), (26, 35522), (27, 35525), (36, 35600), (38, 35612), (54, 35720), (61, 35783),

Gene: SophKB_65 Start: 44269, Stop: 44679, Start Num: 15

Candidate Starts for SophKB_65:

(Start: 15 @44269 has 132 MA's), (35, 44410), (41, 44458), (45, 44506), (59, 44599), (60, 44641),

Gene: Sotrice96_69 Start: 45272, Stop: 45682, Start Num: 15

Candidate Starts for Sotrice96_69:

(Start: 15 @45272 has 132 MA's), (35, 45413), (41, 45461), (45, 45509), (59, 45602), (60, 45644),

Gene: Sotrice96_74 Start: 47536, Stop: 47913, Start Num: 18

Candidate Starts for Sotrice96_74:

(Start: 18 @47536 has 21 MA's), (Start: 19 @47542 has 22 MA's), (29, 47614), (35, 47674), (57, 47845),

Gene: Squint_131 Start: 70888, Stop: 71241, Start Num: 16

Candidate Starts for Squint_131:

(Start: 16 @70888 has 12 MA's), (Start: 18 @70897 has 21 MA's), (55, 71167), (60, 71218),

Gene: Stank_71 Start: 45527, Stop: 45937, Start Num: 15

Candidate Starts for Stank_71:

(1, 45353), (Start: 15 @45527 has 132 MA's), (32, 45623), (35, 45668), (41, 45716), (45, 45764), (59, 45857), (60, 45899),

Gene: Stank_76 Start: 47794, Stop: 48171, Start Num: 18

Candidate Starts for Stank_76:

(Start: 18 @47794 has 21 MA's), (Start: 19 @47800 has 22 MA's), (29, 47872), (35, 47932), (57, 48103),

Gene: Stark_69 Start: 45077, Stop: 45487, Start Num: 15

Candidate Starts for Stark_69:

(Start: 15 @45077 has 132 MA's), (35, 45218), (41, 45266), (45, 45314), (59, 45407), (60, 45449),

Gene: StellaBean_66 Start: 44837, Stop: 45247, Start Num: 15

Candidate Starts for StellaBean_66:

(Start: 15 @44837 has 132 MA's), (35, 44978), (41, 45026), (45, 45074), (59, 45167), (60, 45209),

Gene: StolenFromERC_76 Start: 47576, Stop: 47953, Start Num: 18

Candidate Starts for StolenFromERC_76:

(Start: 18 @47576 has 21 MA's), (Start: 19 @47582 has 22 MA's), (29, 47654), (35, 47714), (57, 47885),

Gene: StolenFromERC_71 Start: 45309, Stop: 45719, Start Num: 15

Candidate Starts for StolenFromERC_71:

(1, 45135), (Start: 15 @45309 has 132 MA's), (35, 45450), (41, 45498), (45, 45546), (59, 45639), (60, 45681),

Gene: StormChicken_70 Start: 45973, Stop: 46386, Start Num: 15

Candidate Starts for StormChicken_70:

(1, 45799), (Start: 15 @45973 has 132 MA's), (35, 46114), (40, 46156), (51, 46264), (59, 46303), (63, 46366),

Gene: StormChicken_75 Start: 48243, Stop: 48611, Start Num: 18
Candidate Starts for StormChicken_75:
(Start: 18 @48243 has 21 MA's), (Start: 19 @48249 has 22 MA's), (29, 48321), (57, 48543),

Gene: Superphikiman_131 Start: 70104, Stop: 70457, Start Num: 16
Candidate Starts for Superphikiman_131:
(Start: 16 @70104 has 12 MA's), (Start: 18 @70113 has 21 MA's), (55, 70383),

Gene: TBrady12_71 Start: 45011, Stop: 45421, Start Num: 15
Candidate Starts for TBrady12_71:
(1, 44837), (Start: 15 @45011 has 132 MA's), (35, 45152), (41, 45200), (45, 45248), (59, 45341), (60, 45383),

Gene: Tarkin_67 Start: 45259, Stop: 45669, Start Num: 15
Candidate Starts for Tarkin_67:
(Start: 15 @45259 has 132 MA's), (35, 45400), (41, 45448), (45, 45496), (59, 45589), (60, 45631),

Gene: TeamEdward_70 Start: 45967, Stop: 46380, Start Num: 15
Candidate Starts for TeamEdward_70:
(1, 45793), (Start: 15 @45967 has 132 MA's), (35, 46108), (40, 46150), (51, 46258), (59, 46297), (63, 46360),

Gene: TeardropMSU_64 Start: 44259, Stop: 44669, Start Num: 15
Candidate Starts for TeardropMSU_64:
(Start: 15 @44259 has 132 MA's), (35, 44400), (41, 44448), (45, 44496), (59, 44589), (60, 44631),

Gene: TeardropMSU_69 Start: 46523, Stop: 46900, Start Num: 18
Candidate Starts for TeardropMSU_69:
(Start: 18 @46523 has 21 MA's), (Start: 19 @46529 has 22 MA's), (29, 46601), (35, 46661), (57, 46832),

Gene: Teaspoon_69 Start: 45153, Stop: 45563, Start Num: 15
Candidate Starts for Teaspoon_69:
(1, 44979), (Start: 15 @45153 has 132 MA's), (35, 45294), (41, 45342), (45, 45390), (59, 45483), (60, 45525),

Gene: Terminus_71 Start: 46046, Stop: 46459, Start Num: 15
Candidate Starts for Terminus_71:
(1, 45872), (Start: 15 @46046 has 132 MA's), (35, 46187), (41, 46235), (45, 46283), (59, 46376), (63, 46439),

Gene: Thimble_69 Start: 44491, Stop: 44901, Start Num: 15
Candidate Starts for Thimble_69:
(1, 44317), (Start: 15 @44491 has 132 MA's), (35, 44632), (41, 44680), (45, 44728), (59, 44821), (60, 44863),

Gene: Thresher_70 Start: 46136, Stop: 46546, Start Num: 15
Candidate Starts for Thresher_70:
(Start: 15 @46136 has 132 MA's), (35, 46277), (41, 46325), (45, 46373), (59, 46466), (60, 46508),

Gene: Tomaszewski_63 Start: 44425, Stop: 44838, Start Num: 15
Candidate Starts for Tomaszewski_63:

(1, 44251), (Start: 15 @44425 has 132 MA's), (35, 44566), (40, 44608), (51, 44716), (59, 44755), (63, 44818),

Gene: Toto_66 Start: 45513, Stop: 45923, Start Num: 15

Candidate Starts for Toto_66:

(1, 45339), (Start: 15 @45513 has 132 MA's), (32, 45609), (35, 45654), (41, 45702), (45, 45750), (59, 45843), (60, 45885),

Gene: Tourach_44 Start: 35371, Stop: 35784, Start Num: 5

Candidate Starts for Tourach_44:

(Start: 3 @35362 has 10 MA's), (Start: 5 @35371 has 43 MA's), (Start: 19 @35458 has 22 MA's), (21, 35476), (26, 35503), (27, 35506), (36, 35581), (61, 35761),

Gene: Traaww1_64 Start: 44694, Stop: 45104, Start Num: 15

Candidate Starts for Traaww1_64:

(1, 44520), (Start: 15 @44694 has 132 MA's), (32, 44790), (35, 44835), (41, 44883), (45, 44931), (59, 45024), (60, 45066),

Gene: TriFive_42 Start: 35730, Stop: 36053, Start Num: 19

Candidate Starts for TriFive_42:

(Start: 2 @35625 has 3 MA's), (Start: 3 @35637 has 10 MA's), (Start: 5 @35646 has 43 MA's), (Start: 19 @35730 has 22 MA's), (21, 35748), (23, 35766), (26, 35775), (43, 35892), (61, 36030),

Gene: Tuco_69 Start: 46021, Stop: 46431, Start Num: 15

Candidate Starts for Tuco_69:

(Start: 15 @46021 has 132 MA's), (35, 46162), (41, 46210), (45, 46258), (59, 46351), (60, 46393),

Gene: Tyson_42 Start: 34026, Stop: 34442, Start Num: 5

Candidate Starts for Tyson_42:

(Start: 2 @34005 has 3 MA's), (Start: 5 @34026 has 43 MA's), (14, 34092), (Start: 19 @34113 has 22 MA's), (21, 34131), (28, 34170), (30, 34182), (36, 34239), (45, 34299), (56, 34365), (61, 34419),

Gene: UPIE_43 Start: 34009, Stop: 34425, Start Num: 5

Candidate Starts for UPIE_43:

(Start: 2 @33988 has 3 MA's), (Start: 5 @34009 has 43 MA's), (14, 34075), (Start: 19 @34096 has 22 MA's), (21, 34114), (28, 34153), (30, 34165), (36, 34222), (45, 34282), (61, 34402),

Gene: Ukulele_63 Start: 44407, Stop: 44817, Start Num: 15

Candidate Starts for Ukulele_63:

(Start: 15 @44407 has 132 MA's), (35, 44548), (41, 44596), (45, 44644), (59, 44737), (60, 44779),

Gene: Underpass_45 Start: 35357, Stop: 35773, Start Num: 5

Candidate Starts for Underpass_45:

(Start: 3 @35348 has 10 MA's), (Start: 5 @35357 has 43 MA's), (Start: 19 @35444 has 22 MA's), (21, 35462), (26, 35489), (27, 35492), (36, 35567), (38, 35579), (54, 35687), (61, 35750),

Gene: Vetrix_45 Start: 35363, Stop: 35779, Start Num: 5

Candidate Starts for Vetrix_45:

(Start: 3 @35354 has 10 MA's), (Start: 5 @35363 has 43 MA's), (Start: 19 @35450 has 22 MA's), (21, 35468), (26, 35495), (27, 35498), (36, 35573), (38, 35585), (54, 35693), (61, 35756),

Gene: Volt_69 Start: 38295, Stop: 37876, Start Num: 17

Candidate Starts for Volt_69:

(Start: 9 @38343 has 1 MA's), (10, 38340), (Start: 17 @38295 has 4 MA's), (21, 38274), (34, 38187), (35, 38178), (37, 38157), (44, 38115), (49, 38052), (50, 38046), (58, 38007), (64, 37941),

Gene: Wamburgexpress_43 Start: 34024, Stop: 34440, Start Num: 5

Candidate Starts for Wamburgexpress_43:

(Start: 2 @34003 has 3 MA's), (Start: 5 @34024 has 43 MA's), (14, 34090), (Start: 19 @34111 has 22 MA's), (21, 34129), (28, 34168), (30, 34180), (36, 34237), (45, 34297), (61, 34417),

Gene: Whirlwind_43 Start: 35405, Stop: 35812, Start Num: 5

Candidate Starts for Whirlwind_43:

(Start: 2 @35384 has 3 MA's), (Start: 3 @35396 has 10 MA's), (Start: 5 @35405 has 43 MA's), (Start: 19 @35489 has 22 MA's), (21, 35507), (23, 35525), (26, 35534), (43, 35651), (61, 35789),

Gene: Wiggin_70 Start: 45095, Stop: 45505, Start Num: 15

Candidate Starts for Wiggin_70:

(1, 44921), (Start: 15 @45095 has 132 MA's), (32, 45191), (35, 45236), (41, 45284), (45, 45332), (59, 45425), (60, 45467),

Gene: Wigglewobble_45 Start: 35380, Stop: 35805, Start Num: 3

Candidate Starts for Wigglewobble_45:

(Start: 3 @35380 has 10 MA's), (Start: 5 @35389 has 43 MA's), (Start: 19 @35476 has 22 MA's), (21, 35494), (26, 35521), (27, 35524), (36, 35599), (38, 35611), (54, 35719), (61, 35782),

Gene: Wilder_45 Start: 35362, Stop: 35778, Start Num: 5

Candidate Starts for Wilder_45:

(Start: 3 @35353 has 10 MA's), (Start: 5 @35362 has 43 MA's), (Start: 19 @35449 has 22 MA's), (21, 35467), (26, 35494), (27, 35497), (36, 35572), (38, 35584), (54, 35692), (61, 35755),

Gene: Willez_63 Start: 43291, Stop: 43704, Start Num: 15

Candidate Starts for Willez_63:

(1, 43117), (Start: 15 @43291 has 132 MA's), (35, 43432), (40, 43474), (51, 43582), (59, 43621), (63, 43684),

Gene: Winky_45 Start: 35347, Stop: 35772, Start Num: 3

Candidate Starts for Winky_45:

(Start: 3 @35347 has 10 MA's), (Start: 5 @35356 has 43 MA's), (Start: 19 @35443 has 22 MA's), (21, 35461), (26, 35488), (27, 35491), (36, 35566), (38, 35578), (54, 35686), (61, 35749),

Gene: Wyatt2_43 Start: 34025, Stop: 34441, Start Num: 5

Candidate Starts for Wyatt2_43:

(Start: 2 @34004 has 3 MA's), (Start: 5 @34025 has 43 MA's), (14, 34091), (Start: 19 @34112 has 22 MA's), (21, 34130), (28, 34169), (30, 34181), (36, 34238), (45, 34298), (61, 34418),

Gene: Xandras_67 Start: 44506, Stop: 44916, Start Num: 15

Candidate Starts for Xandras_67:

(Start: 15 @44506 has 132 MA's), (35, 44647), (41, 44695), (45, 44743), (59, 44836), (60, 44878),

Gene: YassJohnny_65 Start: 44464, Stop: 44877, Start Num: 15

Candidate Starts for YassJohnny_65:

(1, 44290), (Start: 15 @44464 has 132 MA's), (35, 44605), (40, 44647), (51, 44755), (59, 44794), (63, 44857),

Gene: Youngblood_71 Start: 45976, Stop: 46386, Start Num: 15

Candidate Starts for Youngblood_71:

(1, 45802), (Start: 15 @45976 has 132 MA's), (35, 46117), (41, 46165), (45, 46213), (59, 46306), (60, 46348),

Gene: Zakai_45 Start: 35614, Stop: 36030, Start Num: 5

Candidate Starts for Zakai_45:

(Start: 3 @35605 has 10 MA's), (Start: 5 @35614 has 43 MA's), (Start: 19 @35701 has 22 MA's), (21, 35719), (26, 35746), (27, 35749), (36, 35824), (38, 35836), (54, 35944), (61, 36007),

Gene: Zaria_43 Start: 34040, Stop: 34456, Start Num: 5

Candidate Starts for Zaria_43:

(Start: 2 @34019 has 3 MA's), (Start: 5 @34040 has 43 MA's), (14, 34106), (Start: 19 @34127 has 22 MA's), (21, 34145), (28, 34184), (30, 34196), (36, 34253), (45, 34313), (61, 34433),

Gene: ZhongYanYuan_43 Start: 35304, Stop: 35633, Start Num: 19

Candidate Starts for ZhongYanYuan_43:

(Start: 3 @35208 has 10 MA's), (Start: 5 @35217 has 43 MA's), (Start: 19 @35304 has 22 MA's), (21, 35322), (26, 35349), (27, 35352), (36, 35430), (54, 35547), (61, 35610),

Gene: Ziko_69 Start: 38117, Stop: 37698, Start Num: 17

Candidate Starts for Ziko_69:

(Start: 9 @38165 has 1 MA's), (10, 38162), (Start: 17 @38117 has 4 MA's), (21, 38096), (34, 38009), (35, 38000), (37, 37979), (44, 37937), (49, 37874), (50, 37868), (58, 37829), (64, 37763),

Gene: xkcd_71 Start: 46166, Stop: 46576, Start Num: 15

Candidate Starts for xkcd_71:

(Start: 15 @46166 has 132 MA's), (35, 46307), (41, 46355), (45, 46403), (59, 46496), (60, 46538),