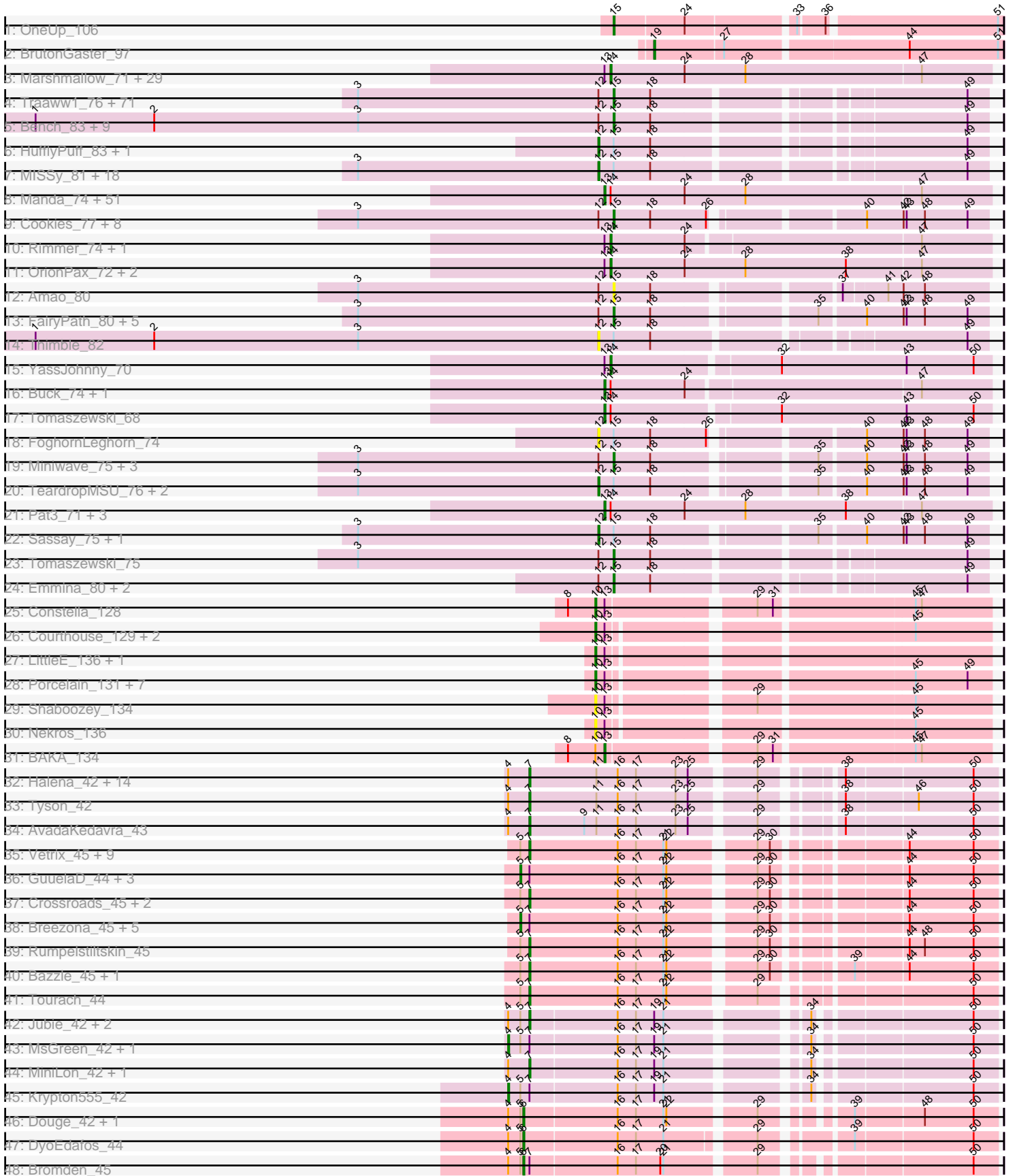


Pham 224221



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 224221 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224221 has 304 members, 21 are drafts.

Phages represented in each track:

- Track 1 : OneUp_106
- Track 2 : BrutonGaster_97
- Track 3 : Marshmallow_71, Dumbo_73, Daikon_75, FoghornLeghorn_67, Easy2Say_74, Pumpkin_76, Porky_72, Nala_75, Eureka_71, Sassay_68, BugsBunny_73, Becksu_72, GoldenSpark_77, Thresher_75, Youngblood_76, Icee_74, Elph10_73, Terminus_76, Murphy_73, Murica_76, 244_74, FireRed_77, Cjw1_73, Maxxinista_75, Filch_74, Thimble_75, Simpliphy_72, MadamMonkfish_73, Balomoji_73, Willez_68
- Track 4 : Traaww1_76, Icee_81, MPhalcon_81, Barbarian_79, CrystalP_79, Filch_81, AmericanBeauty_84, Kimchi_84, Rakim_81, OrionPax_79, Czyszczon1_81, Maxxinista_82, Hopey_80, Petra64142_84, Misfit_81, Highbury_79, Glexan_79, Balomoji_80, Harella_80, TBrady12_83, Flypotenuse_76, ShamWow_80, Mosby_76, ChosenOne_80, IHOP_78, Contagion_76, Youngblood_83, Asriel_79, Stark_81, Toto_78, GooberAzure_83, Inca_77, Dusk_77, Gemini_85, Palpatine_82, Manda_81, RiverMonster_80, Easy2Say_81, Gator_78, Kanye_77, Teaspoon_81, Saints25_79, Phrux_77, Elite2014_79, Cactus_83, Buck_81, NoSleep_81, Simpliphy_79, Moldemort_83, BaboJay_77, BadStone_77, Argent26_84, Sotrice96_81, Ukulele_75, Murphy_80, Terminus_83, Lilpickle_79, Holt_85, Gage_82, Henry_78, Lilac_82, Thresher_82, Becksu_79, Mindy_79, HanKaySha_80, Wiggin_82, JeTaime_80, StellaBean_78, Goldilocks_83, StolenFromERC_83, BigBubba_80, Tuco_81
- Track 5 : Bench_83, 244_81, FireRed_84, Pumpkin_83, Nimrod_81, Hoonter_83, Nala_82, PhatBacter_84, Lilizi_81, Xandras_79
- Track 6 : HufflyPuff_83, Porky_79
- Track 7 : MISSy_81, Marshmallow_78, Dumbo_80, DrDrey_80, NelitzaMV_78, Eureka_78, Command613_82, BugsBunny_80, Elph10_80, Kostya_80, Daikon_82, Goku_78, Stank_83, ABCat_77, Bruin_77, Adnama_84, Cjw1_80, GoldenSpark_84, BilboSwaggins_79
- Track 8 : Manda_74, Lilac_75, TeardropMSU_69, Phaux_75, Highbury_72, Ukulele_68, Cactus_76, Argent26_77, NoSleep_74, Glexan_72, Czyszczon1_74, xkcd_76, Sotrice96_74, Lilizi_74, Hopey_73, Hoonter_76, MPhalcon_74, Harella_73, AmericanBeauty_77, Inca_70, Bench_76, Saints25_72, Flypotenuse_69, Gemini_78, Stark_74, PhatBacter_77, Phrux_70, Elite2014_72, Misfit_74, JeTaime_73, BaboJay_70, ChosenOne_73, MISSy_74, Emmina_73, Gage_75, Goku_71, Kimchi_77, Myrale_73, Lilpickle_72, Contagion_69, Policronamos_76, HufflyPuff_76, Palpatine_75, RiverMonster_73, Xandras_72, HanKaySha_73, StolenFromERC_76, Holt_78, Bruin_70, Mosby_69, Stank_76, GooberAzure_76

- Track 9 : Cookies_77, SirDuracell_79, Pat3_78, Rimmer_81, Policronamos_83, Bask21_80, DoctorDiddles_79, Phaux_82, ChotaBhai_80
- Track 10 : Rimmer_74, Petra64142_77
- Track 11 : OrionPax_72, DoctorDiddles_72, Bask21_73
- Track 12 : Amao_80
- Track 13 : FairyPath_80, SophKB_77, Myrale_80, Quallification_81, Phaja_78, ShereKhan_78
- Track 14 : Thimble_82
- Track 15 : YassJohnny_70
- Track 16 : Buck_74, StormChicken_75
- Track 17 : Tomaszewski_68
- Track 18 : FoghornLeghorn_74
- Track 19 : Miniwave_75, Tarkin_79, Pharsalus_77, Paperbeatsrock_79
- Track 20 : TeardropMSU_76, StormChicken_82, YassJohnny_77
- Track 21 : Pat3_71, BigBubba_73, ChotaBhai_73, Rakim_74
- Track 22 : Sassay_75, Willez_75
- Track 23 : Tomaszewski_75
- Track 24 : Emmina_80, xkcd_83, Murica_83
- Track 25 : Constella_128
- Track 26 : Courthouse_129, Ariel_133, Superphikiman_131
- Track 27 : LittleE_136, Omega_143
- Track 28 : Porcelain_131, Hannaconda_127, Squint_131, Lucky2013_128, Gonephishing_128, MiaZeal_133, KashFlow_131, Rearden_132
- Track 29 : Shaboozey_134
- Track 30 : Nekros_136
- Track 31 : BAKA_134
- Track 32 : Halena_42, DirkDirk_42, Silverleaf_42, Wamburgrxpress_43, JoeDirt_42, OhShagHennessy_42, Calm_43, Appletree2_42, Wyatt2_43, Rose5_42, Zaria_43, Acquire49_43, LeBron_43, Enceladus_42, UPIE_43
- Track 33 : Tyson_42
- Track 34 : AvadaKedavra_43
- Track 35 : Vetric_45, Lewan_45, Kahlid_45, DrSeegs_45, Gabriela_45, Netyap_45, Wilder_45, MkaliMitinis3_45, BigCheese_45, LilDestine_45
- Track 36 : GuuelaD_44, Nicholasp3_45, Loadrie_44, Wigglewiggles_45
- Track 37 : Crossroads_45, Gardann_45, Zakai_45
- Track 38 : Breezona_45, Itos_44, Finemlucis_45, Winky_45, Faith1_45, Miley16_45
- Track 39 : Rumpelstiltskin_45
- Track 40 : Bazzle_45, Archie_45
- Track 41 : Tourach_44
- Track 42 : Jubie_42, Whirlwind_43, Lumos_42
- Track 43 : MsGreen_42, Clautastrophe_42
- Track 44 : MiniLon_42, MiniMac_42
- Track 45 : Krypton555_42
- Track 46 : Douge_42, Chaser_42
- Track 47 : DyoEdafos_44
- Track 48 : Bromden_45

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 103 of the 283 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_81, Amao_80, AmericanBeauty_84, Argent26_84, Asriel_79, BaboJay_77, BadStone_77, Balomoji_80, Barbarian_79, Bask21_80, Becksu_79, Bench_83, BigBubba_80, Buck_81, Cactus_83, ChosenOne_80, ChotaBhai_80, Contagion_76, Cookies_77, CrystalP_79, Czyszczonek_81, DoctorDiddles_79, Dusk_77, Easy2Say_81, Elite2014_79, Emmina_80, FairyPath_80, Filch_81, FireRed_84, Flypotenuse_76, Gage_82, Gator_78, Gemini_85, Glexan_79, Goldilocks_83, GooberAzure_83, HanKaySha_80, Harella_80, Henry_78, Highbury_79, Holt_85, Hoonter_83, Hopey_80, IHOP_78, Icee_81, Inca_77, JeTaime_80, Kanye_77, Kimchi_84, Lilac_82, Lilizi_81, Lilpickle_79, MPhalcon_81, Manda_81, Maxxinista_82, Mindy_79, Miniwave_75, Misfit_81, Moldemort_83, Mosby_76, Murica_83, Murphy_80, Myrale_80, Nala_82, Nimrod_81, NoSleep_81, OneUp_106, OrionPax_79, Palpatine_82, Paperbeatsrock_79, Pat3_78, Petra64142_84, Phaja_78, Pharsalus_77, PhatBacter_84, Phaux_82, Phrux_77, Policronamos_83, Pumpkin_83, Qualification_81, Rakim_81, Rimmer_81, RiverMonster_80, Saints25_79, ShamWow_80, ShereKhan_78, Simpliphy_79, SirDuracell_79, SophKB_77, Sotrice96_81, Stark_81, StellaBean_78, StolenFromERC_83, TBrady12_83, Tarkin_79, Teaspoon_81, Terminus_83, Thresher_82, Tomaszewski_75, Toto_78, Traaww1_76, Tuco_81, Ukulele_75, Wiggin_82, Xandras_79, Youngblood_83, xkcd_83,

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

- ABCat_77, Adnama_84, BilboSwaggins_79, Bruin_77, BugsBunny_80, Cjw1_80, Command613_82, Daikon_82, DrDrey_80, Dumbo_80, Elph10_80, Eureka_78, FoghornLeghorn_74, Goku_78, GoldenSpark_84, HufflyPuff_83, Kostya_80, MISSy_81, Marshmallow_78, NelitzaMV_78, Porky_79, Sassay_75, Stank_83, StormChicken_82, TeardropMSU_76, Thimble_82, Willez_75, YassJohnny_77,

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, BaboJay_70, Balomoji_73, Bask21_73, Bazzle_45, Becksu_72, Bench_76, BigBubba_73, BigCheese_45, Breezona_45, Bromden_45, Bruin_70, BrutonGaster_97, Buck_74, BugsBunny_73, Cactus_76, Calm_43, Chaser_42, ChosenOne_73, ChotaBhai_73, Cjw1_73, Clautastrophe_42, Constella_128, Contagion_69, Courthouse_129, Crossroads_45, Czyszczonek_74, Daikon_75, DirkDirk_42, DoctorDiddles_72, Douge_42, DrSeegs_45, Dumbo_73, DyoEdafos_44, Easy2Say_74, Elite2014_72, Elph10_73, Emmina_73, Enceladus_42, Eureka_71, Faith1_45, Filch_74, Finemlucis_45, FireRed_77, Flypotenuse_69, FoghornLeghorn_67, Gabriela_45, Gage_75, Gardann_45, Gemini_78, Glexan_72, Goku_71, GoldenSpark_77, Gonephishing_128, GooberAzure_76, GuuelaD_44, Halena_42, HanKaySha_73, Hannaconda_127, Harella_73, Highbury_72, Holt_78, Hoonter_76, Hopey_73, HufflyPuff_76, Icee_74, Inca_70, Itos_44, JeTaime_73, JoeDirt_42, Jubie_42, Kahlid_45, KashFlow_131, Kimchi_77, Krypton555_42, LeBron_43, Lewan_45, LilDestine_45, Lilac_75, Lilizi_74, Lilpickle_72, LittleE_136, Loadrie_44, Lucky2013_128, Lumos_42, MISSy_74, MPhalcon_74, MadamMonkfish_73, Manda_74, Marshmallow_71, Maxxinista_75, MiaZeal_133, Miley16_45, MiniLon_42, MiniMac_42, Misfit_74, MkaliMitinis3_45, Mosby_69, MsGreen_42, Murica_76, Murphy_73, Myrale_73, Nala_75, Nekros_136, Netyap_45, Nicholasp3_45, NoSleep_74, OhShagHennessy_42, Omega_143, OrionPax_72, Palpatine_75,

Pat3_71, Petra64142_77, PhatBacter_77, Phaux_75, Phrux_70, Policronamos_76, Porcelain_131, Porky_72, Pumpkin_76, Rakim_74, Rearden_132, Rimmer_74, RiverMonster_73, Rose5_42, Rumpelstiltskin_45, Saints25_72, Sassay_68, Shaboozey_134, Silverleaf_42, Simpliphy_72, Sotrice96_74, Squint_131, Stank_76, Stark_74, StolenFromERC_76, StormChicken_75, Superphikiman_131, TeardropMSU_69, Terminus_76, Thimble_75, Thresher_75, Tomaszewski_68, Tourach_44, Tyson_42, UPIE_43, Ukulele_68, Vetrrix_45, Wamburggrxpress_43, Whirlwind_43, Wigglewiggles_45, Wilder_45, Willez_68, Winky_45, Wyatt2_43, Xandras_72, YassJohnny_70, Youngblood_76, Zakai_45, Zaria_43, xkcd_76,

Summary by start number:

Start 4:

- Found in 29 of 304 (9.5%) of genes in pham
- Manual Annotations of this start: 3 of 283
- Called 10.3% of time when present
- Phage (with cluster) where this start called: Clautastrophe_42 (L3), Krypton555_42 (L3), MsGreen_42 (L3),

Start 5:

- Found in 37 of 304 (12.2%) of genes in pham
- Manual Annotations of this start: 10 of 283
- Called 27.0% of time when present
- Phage (with cluster) where this start called: Breezonia_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 6:

- Found in 4 of 304 (1.3%) of genes in pham
- Manual Annotations of this start: 4 of 283
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bromden_45 (L4), Chaser_42 (L4), Douge_42 (L4), DyoEdafos_44 (L4),

Start 7:

- Found in 53 of 304 (17.4%) of genes in pham
- Manual Annotations of this start: 39 of 283
- Called 73.6% of time when present
- Phage (with cluster) where this start called: Acquire49_43 (L1), Appletree2_42 (L1), Archie_45 (L2), AvadaKedavra_43 (L1), Bazzle_45 (L2), BigCheese_45 (L2), Calm_43 (L1), 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), Rose5_42 (L1), Rumpelstiltskin_45 (L2), Silverleaf_42 (L1), Tourach_44 (L2), Tyson_42 (L1), UPIE_43 (L1), Vetrrix_45 (L2), Wamburggrxpress_43 (L1), Whirlwind_43 (L3), Wilder_45 (L2), Wyatt2_43 (L1), Zakai_45 (L2), Zaria_43 (L1),

Start 10:

- Found in 17 of 304 (5.6%) of genes in pham
- Manual Annotations of this start: 12 of 283
- Called 94.1% of time when present

- Phage (with cluster) where this start called: Ariel_133 (J), Constella_128 (J), Courthouse_129 (J), Gonephishing_128 (J), Hannaconda_127 (J), KashFlow_131 (J), LittleE_136 (J), Lucky2013_128 (J), MiaZeal_133 (J), Nekros_136 (J), Omega_143 (J), Porcelain_131 (J), Rearden_132 (J), Shaboozey_134 (J), Squint_131 (J), Superphikiman_131 (J),

Start 12:

- Found in 134 of 304 (44.1%) of genes in pham
- Manual Annotations of this start: 22 of 283
- Called 20.9% of time when present
- Phage (with cluster) where this start called: ABCat_77 (E), Adnama_84 (E), BilboSwaggins_79 (E), Bruin_77 (E), BugsBunny_80 (E), Cjw1_80 (E), Command613_82 (E), Daikon_82 (E), DrDrey_80 (E), Dumbo_80 (E), Elph10_80 (E), Eureka_78 (E), FoghornLeghorn_74 (E), Goku_78 (E), GoldenSpark_84 (E), HufflyPuff_83 (E), Kostya_80 (E), MISSy_81 (E), Marshmallow_78 (E), NelitzaMV_78 (E), Porky_79 (E), Sassay_75 (E), Stank_83 (E), StormChicken_82 (E), TeardropMSU_76 (E), Thimble_82 (E), Willez_75 (E), YassJohnny_77 (E),

Start 13:

- Found in 112 of 304 (36.8%) of genes in pham
- Manual Annotations of this start: 59 of 283
- Called 53.6% of time when present
- Phage (with cluster) where this start called: AmericanBeauty_77 (E), Argent26_77 (E), BAKA_134 (J), BaboJay_70 (E), Bench_76 (E), BigBubba_73 (E), Bruin_70 (E), Buck_74 (E), Cactus_76 (E), ChosenOne_73 (E), ChotaBhai_73 (E), Contagion_69 (E), Czyszczonek_74 (E), Elite2014_72 (E), Emmina_73 (E), Flypotenuse_69 (E), Gage_75 (E), Gemini_78 (E), Glexan_72 (E), Goku_71 (E), GooberAzure_76 (E), HanKaySha_73 (E), Harella_73 (E), Highbury_72 (E), Holt_78 (E), Hoonter_76 (E), Hopey_73 (E), HufflyPuff_76 (E), Inca_70 (E), JeTaime_73 (E), Kimchi_77 (E), Lilac_75 (E), Lilizi_74 (E), Lilpickle_72 (E), MISSy_74 (E), MPhalcon_74 (E), Manda_74 (E), Misfit_74 (E), Mosby_69 (E), Myrale_73 (E), NoSleep_74 (E), Palpatine_75 (E), Pat3_71 (E), PhatBacter_77 (E), Phaux_75 (E), Phrux_70 (E), Policronamos_76 (E), Rakim_74 (E), RiverMonster_73 (E), Saints25_72 (E), Sotrice96_74 (E), Stank_76 (E), Stark_74 (E), StolenFromERC_76 (E), StormChicken_75 (E), TeardropMSU_69 (E), Tomaszewski_68 (E), Ukulele_68 (E), Xandras_72 (E), xkcd_76 (E),

Start 14:

- Found in 95 of 304 (31.2%) of genes in pham
- Manual Annotations of this start: 30 of 283
- Called 37.9% of time when present
- Phage (with cluster) where this start called: 244_74 (E), Balomoji_73 (E), Bask21_73 (E), Becksu_72 (E), BugsBunny_73 (E), Cjw1_73 (E), Daikon_75 (E), DoctorDiddles_72 (E), Dumbo_73 (E), Easy2Say_74 (E), Elph10_73 (E), Eureka_71 (E), Filch_74 (E), FireRed_77 (E), FoghornLeghorn_67 (E), GoldenSpark_77 (E), Icee_74 (E), MadamMonkfish_73 (E), Marshmallow_71 (E), Maxxinista_75 (E), Murica_76 (E), Murphy_73 (E), Nala_75 (E), OrionPax_72 (E), Petra64142_77 (E), Porky_72 (E), Pumpkin_76 (E), Rimmer_74 (E), Sassay_68 (E), Simpliphy_72 (E), Terminus_76 (E), Thimble_75 (E), Thresher_75 (E), Willez_68 (E), YassJohnny_70 (E), Youngblood_76 (E),

Start 15:

- Found in 135 of 304 (44.4%) of genes in pham

- Manual Annotations of this start: 103 of 283
- Called 79.3% of time when present
- Phage (with cluster) where this start called: 244_81 (E), Amao_80 (E), AmericanBeauty_84 (E), Argent26_84 (E), Asriel_79 (E), BaboJay_77 (E), BadStone_77 (E), Balomoji_80 (E), Barbarian_79 (E), Bask21_80 (E), Becksu_79 (E), Bench_83 (E), BigBubba_80 (E), Buck_81 (E), Cactus_83 (E), ChosenOne_80 (E), ChotaBhai_80 (E), Contagion_76 (E), Cookies_77 (E), CrystalP_79 (E), Czystaczon1_81 (E), DoctorDiddles_79 (E), Dusk_77 (E), Easy2Say_81 (E), Elite2014_79 (E), Emmina_80 (E), FairyPath_80 (E), Filch_81 (E), FireRed_84 (E), Flypotenuse_76 (E), Gage_82 (E), Gator_78 (E), Gemini_85 (E), Glexan_79 (E), Goldilocks_83 (E), GooberAzure_83 (E), HanKaySha_80 (E), Harella_80 (E), Henry_78 (E), Highbury_79 (E), Holt_85 (E), Hoonter_83 (E), Hopey_80 (E), IHOP_78 (E), Icee_81 (E), Inca_77 (E), JeTaime_80 (E), Kanye_77 (E), Kimchi_84 (E), Lilac_82 (E), Lilizi_81 (E), Lilpickle_79 (E), MPhalcon_81 (E), Manda_81 (E), Maxxinista_82 (E), Mindy_79 (E), Miniwave_75 (E), Misfit_81 (E), Moldemort_83 (E), Mosby_76 (E), Murica_83 (E), Murphy_80 (E), Myrale_80 (E), Nala_82 (E), Nimrod_81 (E), NoSleep_81 (E), OneUp_106 (CQ2), OrionPax_79 (E), Palpatine_82 (E), Paperbeatsrock_79 (E), Pat3_78 (E), Petra64142_84 (E), Phaja_78 (E), Pharsalus_77 (E), PhatBacter_84 (E), Phaux_82 (E), Phrux_77 (E), Policronamos_83 (E), Pumpkin_83 (E), Quallification_81 (E), Rakim_81 (E), Rimmer_81 (E), RiverMonster_80 (E), Saints25_79 (E), ShamWow_80 (E), ShereKhan_78 (E), Simpliphy_79 (E), SirDuracell_79 (E), SophKB_77 (E), Sotrice96_81 (E), Stark_81 (E), StellaBean_78 (E), StolenFromERC_83 (E), TBrady12_83 (E), Tarkin_79 (E), Teaspoon_81 (E), Terminus_83 (E), Thresher_82 (E), Tomaszewski_75 (E), Toto_78 (E), Traaww1_76 (E), Tuco_81 (E), Ukulele_75 (E), Wiggin_82 (E), Xandras_79 (E), Youngblood_83 (E), xkcd_83 (E),

Start 19:

- Found in 9 of 304 (3.0%) of genes in pham
- Manual Annotations of this start: 1 of 283
- Called 11.1% of time when present
- Phage (with cluster) where this start called: BrutonGaster_97 (CQ2),

Summary by clusters:

There are 7 clusters represented in this pham: E, J, L4, L2, L3, L1, CQ2,

Info for manual annotations of cluster CQ2:

- Start number 15 was manually annotated 1 time for cluster CQ2.
- Start number 19 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster E:

- Start number 12 was manually annotated 22 times for cluster E.
- Start number 13 was manually annotated 58 times for cluster E.
- Start number 14 was manually annotated 30 times for cluster E.
- Start number 15 was manually annotated 102 times for cluster E.

Info for manual annotations of cluster J:

- Start number 10 was manually annotated 12 times for cluster J.
- Start number 13 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster L1:

- Start number 7 was manually annotated 17 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 5 was manually annotated 10 times for cluster L2.
- Start number 7 was manually annotated 17 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 4 was manually annotated 3 times for cluster L3.
- Start number 7 was manually annotated 5 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 6 was manually annotated 4 times for cluster L4.

Gene Information:

Gene: 244_81 Start: 49796, Stop: 50131, Start Num: 15

Candidate Starts for 244_81:

(1, 49226), (2, 49343), (3, 49544), (Start: 12 @49781 has 22 MA's), (Start: 15 @49796 has 103 MA's), (18, 49832), (49, 50111),

Gene: 244_74 Start: 47428, Stop: 47793, Start Num: 14

Candidate Starts for 244_74:

(Start: 13 @47422 has 59 MA's), (Start: 14 @47428 has 30 MA's), (24, 47500), (28, 47554), (47, 47725),

Gene: ABCat_77 Start: 50134, Stop: 50484, Start Num: 12

Candidate Starts for ABCat_77:

(3, 49897), (Start: 12 @50134 has 22 MA's), (Start: 15 @50149 has 103 MA's), (18, 50185), (49, 50464),

Gene: Acquire49_43 Start: 34025, Stop: 34441, Start Num: 7

Candidate Starts for Acquire49_43:

(Start: 4 @34004 has 3 MA's), (Start: 7 @34025 has 39 MA's), (11, 34091), (16, 34112), (17, 34130), (23, 34169), (25, 34181), (29, 34238), (38, 34298), (50, 34418),

Gene: Adnama_84 Start: 50160, Stop: 50507, Start Num: 12

Candidate Starts for Adnama_84:

(3, 49923), (Start: 12 @50160 has 22 MA's), (Start: 15 @50175 has 103 MA's), (18, 50211), (49, 50487),

Gene: Amao_80 Start: 49569, Stop: 49901, Start Num: 15

Candidate Starts for Amao_80:

(3, 49317), (Start: 12 @49554 has 22 MA's), (Start: 15 @49569 has 103 MA's), (18, 49605), (37, 49764), (41, 49803), (42, 49818), (48, 49839),

Gene: AmericanBeauty_84 Start: 50318, Stop: 50653, Start Num: 15

Candidate Starts for AmericanBeauty_84:

(3, 50066), (Start: 12 @50303 has 22 MA's), (Start: 15 @50318 has 103 MA's), (18, 50354), (49, 50633),

Gene: AmericanBeauty_77 Start: 47938, Stop: 48315, Start Num: 13

Candidate Starts for AmericanBeauty_77:

(Start: 13 @47938 has 59 MA's), (Start: 14 @47944 has 30 MA's), (24, 48016), (28, 48076), (47, 48247),

Gene: Appletree2_42 Start: 33952, Stop: 34368, Start Num: 7

Candidate Starts for Appletree2_42:

(Start: 4 @33931 has 3 MA's), (Start: 7 @33952 has 39 MA's), (11, 34018), (16, 34039), (17, 34057), (23, 34096), (25, 34108), (29, 34165), (38, 34225), (50, 34345),

Gene: Archie_45 Start: 35560, Stop: 35976, Start Num: 7

Candidate Starts for Archie_45:

(Start: 5 @35551 has 10 MA's), (Start: 7 @35560 has 39 MA's), (16, 35647), (17, 35665), (21, 35692), (22, 35695), (29, 35770), (30, 35782), (39, 35842), (44, 35890), (50, 35953),

Gene: Argent26_77 Start: 47576, Stop: 47953, Start Num: 13

Candidate Starts for Argent26_77:

(Start: 13 @47576 has 59 MA's), (Start: 14 @47582 has 30 MA's), (24, 47654), (28, 47714), (47, 47885),

Gene: Argent26_84 Start: 49956, Stop: 50291, Start Num: 15

Candidate Starts for Argent26_84:

(3, 49704), (Start: 12 @49941 has 22 MA's), (Start: 15 @49956 has 103 MA's), (18, 49992), (49, 50271),

Gene: Ariel_133 Start: 69964, Stop: 70317, Start Num: 10

Candidate Starts for Ariel_133:

(Start: 10 @69964 has 12 MA's), (Start: 13 @69973 has 59 MA's), (45, 70243),

Gene: Asriel_79 Start: 48512, Stop: 48844, Start Num: 15

Candidate Starts for Asriel_79:

(3, 48260), (Start: 12 @48497 has 22 MA's), (Start: 15 @48512 has 103 MA's), (18, 48548), (49, 48824),

Gene: AvadaKedavra_43 Start: 34034, Stop: 34450, Start Num: 7

Candidate Starts for AvadaKedavra_43:

(Start: 4 @34013 has 3 MA's), (Start: 7 @34034 has 39 MA's), (9, 34088), (11, 34100), (16, 34121), (17, 34139), (23, 34178), (25, 34190), (29, 34247), (38, 34307), (50, 34427),

Gene: BAKA_134 Start: 72670, Stop: 73020, Start Num: 13

Candidate Starts for BAKA_134:

(8, 72634), (Start: 10 @72661 has 12 MA's), (Start: 13 @72670 has 59 MA's), (29, 72802), (31, 72817), (45, 72946), (47, 72952),

Gene: BaboJay_70 Start: 46969, Stop: 47346, Start Num: 13

Candidate Starts for BaboJay_70:

(Start: 13 @46969 has 59 MA's), (Start: 14 @46975 has 30 MA's), (24, 47047), (28, 47107), (47, 47278),

Gene: BaboJay_77 Start: 49349, Stop: 49684, Start Num: 15

Candidate Starts for BaboJay_77:

(3, 49097), (Start: 12 @49334 has 22 MA's), (Start: 15 @49349 has 103 MA's), (18, 49385), (49, 49664),

Gene: BadStone_77 Start: 49718, Stop: 50053, Start Num: 15

Candidate Starts for BadStone_77:

(3, 49466), (Start: 12 @49703 has 22 MA's), (Start: 15 @49718 has 103 MA's), (18, 49754), (49, 50033),

Gene: Balomoji_80 Start: 50279, Stop: 50614, Start Num: 15

Candidate Starts for Balomoji_80:

(3, 50027), (Start: 12 @50264 has 22 MA's), (Start: 15 @50279 has 103 MA's), (18, 50315), (49, 50594),

Gene: Balomoji_73 Start: 47905, Stop: 48276, Start Num: 14

Candidate Starts for Balomoji_73:

(Start: 13 @47899 has 59 MA's), (Start: 14 @47905 has 30 MA's), (24, 47977), (28, 48037), (47, 48208),

Gene: Barbarian_79 Start: 48512, Stop: 48844, Start Num: 15

Candidate Starts for Barbarian_79:

(3, 48260), (Start: 12 @48497 has 22 MA's), (Start: 15 @48512 has 103 MA's), (18, 48548), (49, 48824),

Gene: Bask21_80 Start: 49132, Stop: 49467, Start Num: 15

Candidate Starts for Bask21_80:

(3, 48880), (Start: 12 @49117 has 22 MA's), (Start: 15 @49132 has 103 MA's), (18, 49168), (26, 49222), (40, 49348), (42, 49384), (43, 49387), (48, 49405), (49, 49447),

Gene: Bask21_73 Start: 46758, Stop: 47129, Start Num: 14

Candidate Starts for Bask21_73:

(Start: 13 @46752 has 59 MA's), (Start: 14 @46758 has 30 MA's), (24, 46830), (28, 46890), (38, 46989), (47, 47061),

Gene: Bazzle_45 Start: 35592, Stop: 36008, Start Num: 7

Candidate Starts for Bazzle_45:

(Start: 5 @35583 has 10 MA's), (Start: 7 @35592 has 39 MA's), (16, 35679), (17, 35697), (21, 35724), (22, 35727), (29, 35802), (30, 35814), (39, 35874), (44, 35922), (50, 35985),

Gene: Becksu_72 Start: 47977, Stop: 48345, Start Num: 14

Candidate Starts for Becksu_72:

(Start: 13 @47971 has 59 MA's), (Start: 14 @47977 has 30 MA's), (24, 48049), (28, 48109), (47, 48277),

Gene: Becksu_79 Start: 50348, Stop: 50683, Start Num: 15

Candidate Starts for Becksu_79:

(3, 50096), (Start: 12 @50333 has 22 MA's), (Start: 15 @50348 has 103 MA's), (18, 50384), (49, 50663),

Gene: Bench_83 Start: 49816, Stop: 50148, Start Num: 15

Candidate Starts for Bench_83:

(1, 49246), (2, 49363), (3, 49564), (Start: 12 @49801 has 22 MA's), (Start: 15 @49816 has 103 MA's), (18, 49852), (49, 50128),

Gene: Bench_76 Start: 47439, Stop: 47813, Start Num: 13

Candidate Starts for Bench_76:

(Start: 13 @47439 has 59 MA's), (Start: 14 @47445 has 30 MA's), (24, 47517), (28, 47577), (47, 47745),

Gene: BigBubba_73 Start: 47151, Stop: 47525, Start Num: 13

Candidate Starts for BigBubba_73:

(Start: 13 @47151 has 59 MA's), (Start: 14 @47157 has 30 MA's), (24, 47229), (28, 47289), (38, 47385), (47, 47457),

Gene: BigBubba_80 Start: 49528, Stop: 49860, Start Num: 15

Candidate Starts for BigBubba_80:

(3, 49276), (Start: 12 @49513 has 22 MA's), (Start: 15 @49528 has 103 MA's), (18, 49564), (49, 49840),

Gene: BigCheese_45 Start: 35356, Stop: 35772, Start Num: 7

Candidate Starts for BigCheese_45:

(Start: 5 @35347 has 10 MA's), (Start: 7 @35356 has 39 MA's), (16, 35443), (17, 35461), (21, 35488), (22, 35491), (29, 35566), (30, 35578), (44, 35686), (50, 35749),

Gene: BilboSwaggins_79 Start: 50142, Stop: 50489, Start Num: 12

Candidate Starts for BilboSwaggins_79:

(3, 49905), (Start: 12 @50142 has 22 MA's), (Start: 15 @50157 has 103 MA's), (18, 50193), (49, 50469),

Gene: Breezona_45 Start: 35347, Stop: 35772, Start Num: 5

Candidate Starts for Breezona_45:

(Start: 5 @35347 has 10 MA's), (Start: 7 @35356 has 39 MA's), (16, 35443), (17, 35461), (21, 35488), (22, 35491), (29, 35566), (30, 35578), (44, 35686), (50, 35749),

Gene: Bromden_45 Start: 35106, Stop: 35519, Start Num: 6

Candidate Starts for Bromden_45:

(Start: 4 @35091 has 3 MA's), (Start: 5 @35103 has 10 MA's), (Start: 6 @35106 has 4 MA's), (Start: 7 @35112 has 39 MA's), (16, 35196), (17, 35214), (20, 35238), (21, 35241), (29, 35322), (50, 35496),

Gene: Bruin_77 Start: 48677, Stop: 49027, Start Num: 12

Candidate Starts for Bruin_77:

(3, 48440), (Start: 12 @48677 has 22 MA's), (Start: 15 @48692 has 103 MA's), (18, 48728), (49, 49007),

Gene: Bruin_70 Start: 46315, Stop: 46689, Start Num: 13

Candidate Starts for Bruin_70:

(Start: 13 @46315 has 59 MA's), (Start: 14 @46321 has 30 MA's), (24, 46393), (28, 46453), (47, 46621),

Gene: BrutonGaster_97 Start: 63227, Stop: 63556, Start Num: 19

Candidate Starts for BrutonGaster_97:

(Start: 19 @63227 has 1 MA's), (27, 63293), (44, 63464), (51, 63551),

Gene: Buck_74 Start: 48026, Stop: 48394, Start Num: 13

Candidate Starts for Buck_74:

(Start: 13 @48026 has 59 MA's), (Start: 14 @48032 has 30 MA's), (24, 48104), (47, 48326),

Gene: Buck_81 Start: 50397, Stop: 50732, Start Num: 15

Candidate Starts for Buck_81:

(3, 50145), (Start: 12 @50382 has 22 MA's), (Start: 15 @50397 has 103 MA's), (18, 50433), (49, 50712),

Gene: BugsBunny_73 Start: 47853, Stop: 48221, Start Num: 14

Candidate Starts for BugsBunny_73:

(Start: 13 @47847 has 59 MA's), (Start: 14 @47853 has 30 MA's), (24, 47925), (28, 47985), (47, 48153),

Gene: BugsBunny_80 Start: 50209, Stop: 50556, Start Num: 12

Candidate Starts for BugsBunny_80:

(3, 49972), (Start: 12 @50209 has 22 MA's), (Start: 15 @50224 has 103 MA's), (18, 50260), (49, 50536),

Gene: Cactus_76 Start: 46793, Stop: 47170, Start Num: 13

Candidate Starts for Cactus_76:

(Start: 13 @46793 has 59 MA's), (Start: 14 @46799 has 30 MA's), (24, 46871), (28, 46931), (47, 47102),

Gene: Cactus_83 Start: 49173, Stop: 49508, Start Num: 15

Candidate Starts for Cactus_83:

(3, 48921), (Start: 12 @49158 has 22 MA's), (Start: 15 @49173 has 103 MA's), (18, 49209), (49, 49488),

Gene: Calm_43 Start: 34040, Stop: 34456, Start Num: 7

Candidate Starts for Calm_43:

(Start: 4 @34019 has 3 MA's), (Start: 7 @34040 has 39 MA's), (11, 34106), (16, 34127), (17, 34145), (23, 34184), (25, 34196), (29, 34253), (38, 34313), (50, 34433),

Gene: Chaser_42 Start: 34097, Stop: 34510, Start Num: 6

Candidate Starts for Chaser_42:

(Start: 4 @34082 has 3 MA's), (Start: 5 @34094 has 10 MA's), (Start: 6 @34097 has 4 MA's), (16, 34187), (17, 34205), (21, 34232), (22, 34235), (29, 34313), (39, 34376), (48, 34439), (50, 34487),

Gene: ChosenOne_80 Start: 49173, Stop: 49508, Start Num: 15

Candidate Starts for ChosenOne_80:

(3, 48921), (Start: 12 @49158 has 22 MA's), (Start: 15 @49173 has 103 MA's), (18, 49209), (49, 49488),

Gene: ChosenOne_73 Start: 46796, Stop: 47170, Start Num: 13

Candidate Starts for ChosenOne_73:

(Start: 13 @46796 has 59 MA's), (Start: 14 @46802 has 30 MA's), (24, 46874), (28, 46934), (47, 47102),

Gene: ChotaBhai_73 Start: 47117, Stop: 47494, Start Num: 13

Candidate Starts for ChotaBhai_73:

(Start: 13 @47117 has 59 MA's), (Start: 14 @47123 has 30 MA's), (24, 47195), (28, 47255), (38, 47354), (47, 47426),

Gene: ChotaBhai_80 Start: 49497, Stop: 49832, Start Num: 15

Candidate Starts for ChotaBhai_80:

(3, 49245), (Start: 12 @49482 has 22 MA's), (Start: 15 @49497 has 103 MA's), (18, 49533), (26, 49587), (40, 49713), (42, 49749), (43, 49752), (48, 49770), (49, 49812),

Gene: Cjw1_73 Start: 48499, Stop: 48867, Start Num: 14

Candidate Starts for Cjw1_73:

(Start: 13 @48493 has 59 MA's), (Start: 14 @48499 has 30 MA's), (24, 48571), (28, 48631), (47, 48799),

Gene: Cjw1_80 Start: 50855, Stop: 51202, Start Num: 12

Candidate Starts for Cjw1_80:

(3, 50618), (Start: 12 @50855 has 22 MA's), (Start: 15 @50870 has 103 MA's), (18, 50906), (49, 51182),

Gene: Clautastrophe_42 Start: 35625, Stop: 36053, Start Num: 4

Candidate Starts for Clautastrophe_42:

(Start: 4 @35625 has 3 MA's), (Start: 5 @35637 has 10 MA's), (Start: 7 @35646 has 39 MA's), (16, 35730), (17, 35748), (Start: 19 @35766 has 1 MA's), (21, 35775), (34, 35892), (50, 36030),

Gene: Command613_82 Start: 50197, Stop: 50547, Start Num: 12

Candidate Starts for Command613_82:

(3, 49960), (Start: 12 @50197 has 22 MA's), (Start: 15 @50212 has 103 MA's), (18, 50248), (49, 50527),

Gene: Constella_128 Start: 72912, Stop: 73271, Start Num: 10

Candidate Starts for Constella_128:

(8, 72885), (Start: 10 @72912 has 12 MA's), (Start: 13 @72921 has 59 MA's), (29, 73053), (31, 73068), (45, 73197), (47, 73203),

Gene: Contagion_76 Start: 48973, Stop: 49308, Start Num: 15

Candidate Starts for Contagion_76:

(3, 48721), (Start: 12 @48958 has 22 MA's), (Start: 15 @48973 has 103 MA's), (18, 49009), (49, 49288),

Gene: Contagion_69 Start: 46596, Stop: 46970, Start Num: 13

Candidate Starts for Contagion_69:

(Start: 13 @46596 has 59 MA's), (Start: 14 @46602 has 30 MA's), (24, 46674), (28, 46734), (47, 46902),

Gene: Cookies_77 Start: 49354, Stop: 49689, Start Num: 15

Candidate Starts for Cookies_77:

(3, 49102), (Start: 12 @49339 has 22 MA's), (Start: 15 @49354 has 103 MA's), (18, 49390), (26, 49444), (40, 49570), (42, 49606), (43, 49609), (48, 49627), (49, 49669),

Gene: Courthouse_129 Start: 69822, Stop: 70175, Start Num: 10

Candidate Starts for Courthouse_129:

(Start: 10 @69822 has 12 MA's), (Start: 13 @69831 has 59 MA's), (45, 70101),

Gene: Crossroads_45 Start: 35358, Stop: 35774, Start Num: 7

Candidate Starts for Crossroads_45:

(Start: 5 @35349 has 10 MA's), (Start: 7 @35358 has 39 MA's), (16, 35445), (17, 35463), (21, 35490), (22, 35493), (29, 35568), (30, 35580), (44, 35688), (50, 35751),

Gene: CrystalP_79 Start: 50157, Stop: 50489, Start Num: 15

Candidate Starts for CrystalP_79:

(3, 49905), (Start: 12 @50142 has 22 MA's), (Start: 15 @50157 has 103 MA's), (18, 50193), (49, 50469),

Gene: Czyszczone1_81 Start: 49679, Stop: 50011, Start Num: 15

Candidate Starts for Czyszczone1_81:

(3, 49427), (Start: 12 @49664 has 22 MA's), (Start: 15 @49679 has 103 MA's), (18, 49715), (49, 49991),

Gene: Czyszczone1_74 Start: 47302, Stop: 47676, Start Num: 13

Candidate Starts for Czyszczone1_74:

(Start: 13 @47302 has 59 MA's), (Start: 14 @47308 has 30 MA's), (24, 47380), (28, 47440), (47, 47608),

Gene: Daikon_75 Start: 47926, Stop: 48297, Start Num: 14

Candidate Starts for Daikon_75:

(Start: 13 @47920 has 59 MA's), (Start: 14 @47926 has 30 MA's), (24, 47998), (28, 48058), (47, 48229),

Gene: Daikon_82 Start: 50285, Stop: 50635, Start Num: 12

Candidate Starts for Daikon_82:

(3, 50048), (Start: 12 @50285 has 22 MA's), (Start: 15 @50300 has 103 MA's), (18, 50336), (49, 50615),

Gene: DirkDirk_42 Start: 34012, Stop: 34428, Start Num: 7

Candidate Starts for DirkDirk_42:

(Start: 4 @33991 has 3 MA's), (Start: 7 @34012 has 39 MA's), (11, 34078), (16, 34099), (17, 34117), (23, 34156), (25, 34168), (29, 34225), (38, 34285), (50, 34405),

Gene: DoctorDiddles_72 Start: 47167, Stop: 47538, Start Num: 14

Candidate Starts for DoctorDiddles_72:

(Start: 13 @47161 has 59 MA's), (Start: 14 @47167 has 30 MA's), (24, 47239), (28, 47299), (38, 47398), (47, 47470),

Gene: DoctorDiddles_79 Start: 49541, Stop: 49876, Start Num: 15

Candidate Starts for DoctorDiddles_79:

(3, 49289), (Start: 12 @49526 has 22 MA's), (Start: 15 @49541 has 103 MA's), (18, 49577), (26, 49631), (40, 49757), (42, 49793), (43, 49796), (48, 49814), (49, 49856),

Gene: Douge_42 Start: 34035, Stop: 34448, Start Num: 6

Candidate Starts for Douge_42:

(Start: 4 @34020 has 3 MA's), (Start: 5 @34032 has 10 MA's), (Start: 6 @34035 has 4 MA's), (16, 34125), (17, 34143), (21, 34170), (22, 34173), (29, 34251), (39, 34314), (48, 34377), (50, 34425),

Gene: DrDrey_80 Start: 50583, Stop: 50930, Start Num: 12

Candidate Starts for DrDrey_80:

(3, 50346), (Start: 12 @50583 has 22 MA's), (Start: 15 @50598 has 103 MA's), (18, 50634), (49, 50910),

Gene: DrSeegs_45 Start: 35356, Stop: 35772, Start Num: 7

Candidate Starts for DrSeegs_45:

(Start: 5 @35347 has 10 MA's), (Start: 7 @35356 has 39 MA's), (16, 35443), (17, 35461), (21, 35488), (22, 35491), (29, 35566), (30, 35578), (44, 35686), (50, 35749),

Gene: Dumbo_73 Start: 46707, Stop: 47075, Start Num: 14

Candidate Starts for Dumbo_73:

(Start: 13 @46701 has 59 MA's), (Start: 14 @46707 has 30 MA's), (24, 46779), (28, 46839), (47, 47007),

Gene: Dumbo_80 Start: 49063, Stop: 49413, Start Num: 12

Candidate Starts for Dumbo_80:

(3, 48826), (Start: 12 @49063 has 22 MA's), (Start: 15 @49078 has 103 MA's), (18, 49114), (49, 49393),

Gene: Dusk_77 Start: 49378, Stop: 49713, Start Num: 15

Candidate Starts for Dusk_77:

(3, 49126), (Start: 12 @49363 has 22 MA's), (Start: 15 @49378 has 103 MA's), (18, 49414), (49, 49693),

Gene: DyoEdafos_44 Start: 34357, Stop: 34776, Start Num: 6

Candidate Starts for DyoEdafos_44:

(Start: 4 @34342 has 3 MA's), (Start: 5 @34354 has 10 MA's), (Start: 6 @34357 has 4 MA's), (16, 34447), (17, 34465), (21, 34492), (29, 34570), (39, 34642), (50, 34753),

Gene: Easy2Say_74 Start: 48248, Stop: 48619, Start Num: 14

Candidate Starts for Easy2Say_74:

(Start: 13 @48242 has 59 MA's), (Start: 14 @48248 has 30 MA's), (24, 48320), (28, 48380), (47, 48551),

Gene: Easy2Say_81 Start: 50622, Stop: 50954, Start Num: 15

Candidate Starts for Easy2Say_81:

(3, 50370), (Start: 12 @50607 has 22 MA's), (Start: 15 @50622 has 103 MA's), (18, 50658), (49, 50934),

Gene: Elite2014_72 Start: 46795, Stop: 47169, Start Num: 13

Candidate Starts for Elite2014_72:

(Start: 13 @46795 has 59 MA's), (Start: 14 @46801 has 30 MA's), (24, 46873), (28, 46933), (47, 47101),

Gene: Elite2014_79 Start: 49172, Stop: 49507, Start Num: 15

Candidate Starts for Elite2014_79:

(3, 48920), (Start: 12 @49157 has 22 MA's), (Start: 15 @49172 has 103 MA's), (18, 49208), (49, 49487),

Gene: Elph10_73 Start: 46806, Stop: 47174, Start Num: 14

Candidate Starts for Elph10_73:

(Start: 13 @46800 has 59 MA's), (Start: 14 @46806 has 30 MA's), (24, 46878), (28, 46938), (47, 47106),

Gene: Elph10_80 Start: 49162, Stop: 49509, Start Num: 12

Candidate Starts for Elph10_80:

(3, 48925), (Start: 12 @49162 has 22 MA's), (Start: 15 @49177 has 103 MA's), (18, 49213), (49, 49489),

Gene: Emmina_73 Start: 46702, Stop: 47076, Start Num: 13

Candidate Starts for Emmina_73:

(Start: 13 @46702 has 59 MA's), (Start: 14 @46708 has 30 MA's), (24, 46780), (28, 46840), (47, 47008),

Gene: Emmina_80 Start: 49079, Stop: 49411, Start Num: 15

Candidate Starts for Emmina_80:

(Start: 12 @49064 has 22 MA's), (Start: 15 @49079 has 103 MA's), (18, 49115), (49, 49391),

Gene: Enceladus_42 Start: 33995, Stop: 34411, Start Num: 7

Candidate Starts for Enceladus_42:

(Start: 4 @33974 has 3 MA's), (Start: 7 @33995 has 39 MA's), (11, 34061), (16, 34082), (17, 34100), (23, 34139), (25, 34151), (29, 34208), (38, 34268), (50, 34388),

Gene: Eureka_78 Start: 49628, Stop: 49975, Start Num: 12

Candidate Starts for Eureka_78:

(3, 49391), (Start: 12 @49628 has 22 MA's), (Start: 15 @49643 has 103 MA's), (18, 49679), (49, 49955),

Gene: Eureka_71 Start: 47272, Stop: 47640, Start Num: 14

Candidate Starts for Eureka_71:

(Start: 13 @47266 has 59 MA's), (Start: 14 @47272 has 30 MA's), (24, 47344), (28, 47404), (47, 47572),

Gene: FairyPath_80 Start: 50291, Stop: 50626, Start Num: 15

Candidate Starts for FairyPath_80:

(3, 50039), (Start: 12 @50276 has 22 MA's), (Start: 15 @50291 has 103 MA's), (18, 50327), (35, 50468), (40, 50507), (42, 50543), (43, 50546), (48, 50564), (49, 50606),

Gene: Faith1_45 Start: 35347, Stop: 35772, Start Num: 5

Candidate Starts for Faith1_45:

(Start: 5 @35347 has 10 MA's), (Start: 7 @35356 has 39 MA's), (16, 35443), (17, 35461), (21, 35488), (22, 35491), (29, 35566), (30, 35578), (44, 35686), (50, 35749),

Gene: Filch_81 Start: 49104, Stop: 49436, Start Num: 15

Candidate Starts for Filch_81:

(3, 48852), (Start: 12 @49089 has 22 MA's), (Start: 15 @49104 has 103 MA's), (18, 49140), (49, 49416),

Gene: Filch_74 Start: 46733, Stop: 47101, Start Num: 14

Candidate Starts for Filch_74:

(Start: 13 @46727 has 59 MA's), (Start: 14 @46733 has 30 MA's), (24, 46805), (28, 46865), (47, 47033),

Gene: Finemlucis_45 Start: 35623, Stop: 36048, Start Num: 5

Candidate Starts for Finemlucis_45:

(Start: 5 @35623 has 10 MA's), (Start: 7 @35632 has 39 MA's), (16, 35719), (17, 35737), (21, 35764), (22, 35767), (29, 35842), (30, 35854), (44, 35962), (50, 36025),

Gene: FireRed_84 Start: 50666, Stop: 51001, Start Num: 15

Candidate Starts for FireRed_84:

(1, 50096), (2, 50213), (3, 50414), (Start: 12 @50651 has 22 MA's), (Start: 15 @50666 has 103 MA's), (18, 50702), (49, 50981),

Gene: FireRed_77 Start: 48298, Stop: 48663, Start Num: 14

Candidate Starts for FireRed_77:

(Start: 13 @48292 has 59 MA's), (Start: 14 @48298 has 30 MA's), (24, 48370), (28, 48424), (47, 48595),

Gene: Flypotenuse_76 Start: 49163, Stop: 49498, Start Num: 15

Candidate Starts for Flypotenuse_76:

(3, 48911), (Start: 12 @49148 has 22 MA's), (Start: 15 @49163 has 103 MA's), (18, 49199), (49, 49478),

Gene: Flypotenuse_69 Start: 46783, Stop: 47160, Start Num: 13

Candidate Starts for Flypotenuse_69:

(Start: 13 @46783 has 59 MA's), (Start: 14 @46789 has 30 MA's), (24, 46861), (28, 46921), (47, 47092),

Gene: FoghornLeghorn_67 Start: 45805, Stop: 46173, Start Num: 14

Candidate Starts for FoghornLeghorn_67:

(Start: 13 @45799 has 59 MA's), (Start: 14 @45805 has 30 MA's), (24, 45877), (28, 45937), (47, 46105),

Gene: FoghornLeghorn_74 Start: 48161, Stop: 48511, Start Num: 12

Candidate Starts for FoghornLeghorn_74:

(Start: 12 @48161 has 22 MA's), (Start: 15 @48176 has 103 MA's), (18, 48212), (26, 48266), (40, 48392), (42, 48428), (43, 48431), (48, 48449), (49, 48491),

Gene: Gabriela_45 Start: 35618, Stop: 36034, Start Num: 7

Candidate Starts for Gabriela_45:

(Start: 5 @35609 has 10 MA's), (Start: 7 @35618 has 39 MA's), (16, 35705), (17, 35723), (21, 35750), (22, 35753), (29, 35828), (30, 35840), (44, 35948), (50, 36011),

Gene: Gage_75 Start: 47576, Stop: 47953, Start Num: 13

Candidate Starts for Gage_75:

(Start: 13 @47576 has 59 MA's), (Start: 14 @47582 has 30 MA's), (24, 47654), (28, 47714), (47, 47885),

Gene: Gage_82 Start: 49956, Stop: 50291, Start Num: 15

Candidate Starts for Gage_82:

(3, 49704), (Start: 12 @49941 has 22 MA's), (Start: 15 @49956 has 103 MA's), (18, 49992), (49, 50271),

Gene: Gardann_45 Start: 35357, Stop: 35773, Start Num: 7

Candidate Starts for Gardann_45:

(Start: 5 @35348 has 10 MA's), (Start: 7 @35357 has 39 MA's), (16, 35444), (17, 35462), (21, 35489), (22, 35492), (29, 35567), (30, 35579), (44, 35687), (50, 35750),

Gene: Gator_78 Start: 50009, Stop: 50341, Start Num: 15

Candidate Starts for Gator_78:

(3, 49757), (Start: 12 @49994 has 22 MA's), (Start: 15 @50009 has 103 MA's), (18, 50045), (49, 50321),

Gene: Gemini_85 Start: 50473, Stop: 50808, Start Num: 15

Candidate Starts for Gemini_85:

(3, 50221), (Start: 12 @50458 has 22 MA's), (Start: 15 @50473 has 103 MA's), (18, 50509), (49, 50788),

Gene: Gemini_78 Start: 48093, Stop: 48470, Start Num: 13

Candidate Starts for Gemini_78:

(Start: 13 @48093 has 59 MA's), (Start: 14 @48099 has 30 MA's), (24, 48171), (28, 48231), (47, 48402),

Gene: Glexan_72 Start: 47913, Stop: 48290, Start Num: 13

Candidate Starts for Glexan_72:

(Start: 13 @47913 has 59 MA's), (Start: 14 @47919 has 30 MA's), (24, 47991), (28, 48051), (47, 48222),

Gene: Glexan_79 Start: 50293, Stop: 50628, Start Num: 15

Candidate Starts for Glexan_79:

(3, 50041), (Start: 12 @50278 has 22 MA's), (Start: 15 @50293 has 103 MA's), (18, 50329), (49, 50608),

Gene: Goku_78 Start: 49357, Stop: 49704, Start Num: 12

Candidate Starts for Goku_78:

(3, 49120), (Start: 12 @49357 has 22 MA's), (Start: 15 @49372 has 103 MA's), (18, 49408), (49, 49684),

Gene: Goku_71 Start: 46995, Stop: 47369, Start Num: 13

Candidate Starts for Goku_71:

(Start: 13 @46995 has 59 MA's), (Start: 14 @47001 has 30 MA's), (24, 47073), (28, 47133), (47, 47301),

Gene: GoldenSpark_77 Start: 47582, Stop: 47953, Start Num: 14

Candidate Starts for GoldenSpark_77:

(Start: 13 @47576 has 59 MA's), (Start: 14 @47582 has 30 MA's), (24, 47654), (28, 47714), (47, 47885),

Gene: GoldenSpark_84 Start: 49941, Stop: 50291, Start Num: 12

Candidate Starts for GoldenSpark_84:

(3, 49704), (Start: 12 @49941 has 22 MA's), (Start: 15 @49956 has 103 MA's), (18, 49992), (49, 50271),

Gene: Goldilocks_83 Start: 49454, Stop: 49786, Start Num: 15

Candidate Starts for Goldilocks_83:

(3, 49202), (Start: 12 @49439 has 22 MA's), (Start: 15 @49454 has 103 MA's), (18, 49490), (49, 49766),

Gene: Gonephishing_128 Start: 69464, Stop: 69817, Start Num: 10

Candidate Starts for Gonephishing_128:

(Start: 10 @69464 has 12 MA's), (Start: 13 @69473 has 59 MA's), (45, 69743), (49, 69794),

Gene: GooberAzure_83 Start: 49956, Stop: 50291, Start Num: 15

Candidate Starts for GooberAzure_83:

(3, 49704), (Start: 12 @49941 has 22 MA's), (Start: 15 @49956 has 103 MA's), (18, 49992), (49, 50271),

Gene: GooberAzure_76 Start: 47576, Stop: 47953, Start Num: 13

Candidate Starts for GooberAzure_76:

(Start: 13 @47576 has 59 MA's), (Start: 14 @47582 has 30 MA's), (24, 47654), (28, 47714), (47, 47885),

Gene: GuuelaD_44 Start: 35386, Stop: 35811, Start Num: 5

Candidate Starts for GuuelaD_44:

(Start: 5 @35386 has 10 MA's), (Start: 7 @35395 has 39 MA's), (16, 35482), (17, 35500), (21, 35527), (22, 35530), (29, 35605), (30, 35617), (44, 35725), (50, 35788),

Gene: Halena_42 Start: 34036, Stop: 34452, Start Num: 7

Candidate Starts for Halena_42:

(Start: 4 @34015 has 3 MA's), (Start: 7 @34036 has 39 MA's), (11, 34102), (16, 34123), (17, 34141), (23, 34180), (25, 34192), (29, 34249), (38, 34309), (50, 34429),

Gene: HanKaySha_73 Start: 46880, Stop: 47254, Start Num: 13

Candidate Starts for HanKaySha_73:

(Start: 13 @46880 has 59 MA's), (Start: 14 @46886 has 30 MA's), (24, 46958), (28, 47018), (47, 47186),

Gene: HanKaySha_80 Start: 49257, Stop: 49589, Start Num: 15

Candidate Starts for HanKaySha_80:

(3, 49005), (Start: 12 @49242 has 22 MA's), (Start: 15 @49257 has 103 MA's), (18, 49293), (49, 49569),

Gene: Hannaconda_127 Start: 70117, Stop: 70470, Start Num: 10

Candidate Starts for Hannaconda_127:

(Start: 10 @70117 has 12 MA's), (Start: 13 @70126 has 59 MA's), (45, 70396), (49, 70447),

Gene: Harella_80 Start: 50809, Stop: 51144, Start Num: 15

Candidate Starts for Harella_80:

(3, 50557), (Start: 12 @50794 has 22 MA's), (Start: 15 @50809 has 103 MA's), (18, 50845), (49, 51124),

Gene: Harella_73 Start: 48429, Stop: 48806, Start Num: 13

Candidate Starts for Harella_73:

(Start: 13 @48429 has 59 MA's), (Start: 14 @48435 has 30 MA's), (24, 48507), (28, 48567), (47, 48738),

Gene: Henry_78 Start: 49597, Stop: 49929, Start Num: 15

Candidate Starts for Henry_78:

(3, 49345), (Start: 12 @49582 has 22 MA's), (Start: 15 @49597 has 103 MA's), (18, 49633), (49, 49909),

Gene: Highbury_72 Start: 46868, Stop: 47242, Start Num: 13

Candidate Starts for Highbury_72:

(Start: 13 @46868 has 59 MA's), (Start: 14 @46874 has 30 MA's), (24, 46946), (28, 47006), (47, 47174),

Gene: Highbury_79 Start: 49245, Stop: 49580, Start Num: 15

Candidate Starts for Highbury_79:

(3, 48993), (Start: 12 @49230 has 22 MA's), (Start: 15 @49245 has 103 MA's), (18, 49281), (49, 49560),

Gene: Holt_85 Start: 50370, Stop: 50705, Start Num: 15

Candidate Starts for Holt_85:

(3, 50118), (Start: 12 @50355 has 22 MA's), (Start: 15 @50370 has 103 MA's), (18, 50406), (49, 50685),

Gene: Holt_78 Start: 47990, Stop: 48367, Start Num: 13

Candidate Starts for Holt_78:

(Start: 13 @47990 has 59 MA's), (Start: 14 @47996 has 30 MA's), (24, 48068), (28, 48128), (47, 48299),

Gene: Hoonter_76 Start: 47576, Stop: 47953, Start Num: 13

Candidate Starts for Hoonter_76:

(Start: 13 @47576 has 59 MA's), (Start: 14 @47582 has 30 MA's), (24, 47654), (28, 47714), (47, 47885),

Gene: Hoonter_83 Start: 49956, Stop: 50288, Start Num: 15

Candidate Starts for Hoonter_83:

(1, 49386), (2, 49503), (3, 49704), (Start: 12 @49941 has 22 MA's), (Start: 15 @49956 has 103 MA's), (18, 49992), (49, 50268),

Gene: Hokey_80 Start: 49789, Stop: 50121, Start Num: 15

Candidate Starts for Hokey_80:

(3, 49537), (Start: 12 @49774 has 22 MA's), (Start: 15 @49789 has 103 MA's), (18, 49825), (49, 50101),

Gene: Hokey_73 Start: 47412, Stop: 47786, Start Num: 13

Candidate Starts for Hokey_73:

(Start: 13 @47412 has 59 MA's), (Start: 14 @47418 has 30 MA's), (24, 47490), (28, 47550), (47, 47718),

Gene: HufflyPuff_83 Start: 50607, Stop: 50954, Start Num: 12

Candidate Starts for HufflyPuff_83:

(Start: 12 @50607 has 22 MA's), (Start: 15 @50622 has 103 MA's), (18, 50658), (49, 50934),

Gene: HufflyPuff_76 Start: 48245, Stop: 48619, Start Num: 13

Candidate Starts for HufflyPuff_76:

(Start: 13 @48245 has 59 MA's), (Start: 14 @48251 has 30 MA's), (24, 48323), (28, 48383), (47, 48551),

Gene: IHOP_78 Start: 49721, Stop: 50053, Start Num: 15

Candidate Starts for IHOP_78:

(3, 49469), (Start: 12 @49706 has 22 MA's), (Start: 15 @49721 has 103 MA's), (18, 49757), (49, 50033),

Gene: Icee_81 Start: 49620, Stop: 49955, Start Num: 15

Candidate Starts for Icee_81:

(3, 49368), (Start: 12 @49605 has 22 MA's), (Start: 15 @49620 has 103 MA's), (18, 49656), (49, 49935),

Gene: Icee_74 Start: 47246, Stop: 47617, Start Num: 14

Candidate Starts for Icee_74:

(Start: 13 @47240 has 59 MA's), (Start: 14 @47246 has 30 MA's), (24, 47318), (28, 47378), (47, 47549),

Gene: Inca_70 Start: 45869, Stop: 46243, Start Num: 13

Candidate Starts for Inca_70:

(Start: 13 @45869 has 59 MA's), (Start: 14 @45875 has 30 MA's), (24, 45947), (28, 46007), (47, 46175),

Gene: Inca_77 Start: 48246, Stop: 48581, Start Num: 15

Candidate Starts for Inca_77:

(3, 47994), (Start: 12 @48231 has 22 MA's), (Start: 15 @48246 has 103 MA's), (18, 48282), (49, 48561),

Gene: Itos_44 Start: 34253, Stop: 34678, Start Num: 5

Candidate Starts for Itos_44:

(Start: 5 @34253 has 10 MA's), (Start: 7 @34262 has 39 MA's), (16, 34349), (17, 34367), (21, 34394), (22, 34397), (29, 34472), (30, 34484), (44, 34592), (50, 34655),

Gene: JeTaime_73 Start: 48064, Stop: 48435, Start Num: 13

Candidate Starts for JeTaime_73:

(Start: 13 @48064 has 59 MA's), (Start: 14 @48070 has 30 MA's), (24, 48142), (28, 48196), (47, 48367),

Gene: JeTaime_80 Start: 50438, Stop: 50770, Start Num: 15

Candidate Starts for JeTaime_80:

(3, 50186), (Start: 12 @50423 has 22 MA's), (Start: 15 @50438 has 103 MA's), (18, 50474), (49, 50750),

Gene: JoeDirt_42 Start: 33993, Stop: 34409, Start Num: 7

Candidate Starts for JoeDirt_42:

(Start: 4 @33972 has 3 MA's), (Start: 7 @33993 has 39 MA's), (11, 34059), (16, 34080), (17, 34098), (23, 34137), (25, 34149), (29, 34206), (38, 34266), (50, 34386),

Gene: Jubie_42 Start: 35647, Stop: 36054, Start Num: 7

Candidate Starts for Jubie_42:

(Start: 4 @35626 has 3 MA's), (Start: 5 @35638 has 10 MA's), (Start: 7 @35647 has 39 MA's), (16, 35731), (17, 35749), (Start: 19 @35767 has 1 MA's), (21, 35776), (34, 35893), (50, 36031),

Gene: Kahlid_45 Start: 35362, Stop: 35778, Start Num: 7

Candidate Starts for Kahlid_45:

(Start: 5 @35353 has 10 MA's), (Start: 7 @35362 has 39 MA's), (16, 35449), (17, 35467), (21, 35494), (22, 35497), (29, 35572), (30, 35584), (44, 35692), (50, 35755),

Gene: Kanye_77 Start: 49302, Stop: 49637, Start Num: 15

Candidate Starts for Kanye_77:

(3, 49050), (Start: 12 @49287 has 22 MA's), (Start: 15 @49302 has 103 MA's), (18, 49338), (49, 49617),

Gene: KashFlow_131 Start: 71552, Stop: 71905, Start Num: 10

Candidate Starts for KashFlow_131:

(Start: 10 @71552 has 12 MA's), (Start: 13 @71561 has 59 MA's), (45, 71831), (49, 71882),

Gene: Kimchi_84 Start: 49959, Stop: 50294, Start Num: 15

Candidate Starts for Kimchi_84:

(3, 49707), (Start: 12 @49944 has 22 MA's), (Start: 15 @49959 has 103 MA's), (18, 49995), (49, 50274),

Gene: Kimchi_77 Start: 47579, Stop: 47956, Start Num: 13

Candidate Starts for Kimchi_77:

(Start: 13 @47579 has 59 MA's), (Start: 14 @47585 has 30 MA's), (24, 47657), (28, 47717), (47, 47888),

Gene: Kostya_80 Start: 49805, Stop: 50155, Start Num: 12

Candidate Starts for Kostya_80:

(3, 49568), (Start: 12 @49805 has 22 MA's), (Start: 15 @49820 has 103 MA's), (18, 49856), (49, 50135),

Gene: Krypton555_42 Start: 35542, Stop: 35970, Start Num: 4

Candidate Starts for Krypton555_42:

(Start: 4 @35542 has 3 MA's), (Start: 5 @35554 has 10 MA's), (Start: 7 @35563 has 39 MA's), (16, 35647), (17, 35665), (Start: 19 @35683 has 1 MA's), (21, 35692), (34, 35809), (50, 35947),

Gene: LeBron_43 Start: 34037, Stop: 34453, Start Num: 7

Candidate Starts for LeBron_43:

(Start: 4 @34016 has 3 MA's), (Start: 7 @34037 has 39 MA's), (11, 34103), (16, 34124), (17, 34142), (23, 34181), (25, 34193), (29, 34250), (38, 34310), (50, 34430),

Gene: Lewan_45 Start: 35349, Stop: 35765, Start Num: 7

Candidate Starts for Lewan_45:

(Start: 5 @35340 has 10 MA's), (Start: 7 @35349 has 39 MA's), (16, 35436), (17, 35454), (21, 35481), (22, 35484), (29, 35559), (30, 35571), (44, 35679), (50, 35742),

Gene: LilDestine_45 Start: 35354, Stop: 35770, Start Num: 7

Candidate Starts for LilDestine_45:

(Start: 5 @35345 has 10 MA's), (Start: 7 @35354 has 39 MA's), (16, 35441), (17, 35459), (21, 35486), (22, 35489), (29, 35564), (30, 35576), (44, 35684), (50, 35747),

Gene: Lilac_75 Start: 47197, Stop: 47571, Start Num: 13

Candidate Starts for Lilac_75:

(Start: 13 @47197 has 59 MA's), (Start: 14 @47203 has 30 MA's), (24, 47275), (28, 47335), (47, 47503),

Gene: Lilac_82 Start: 49574, Stop: 49906, Start Num: 15

Candidate Starts for Lilac_82:

(3, 49322), (Start: 12 @49559 has 22 MA's), (Start: 15 @49574 has 103 MA's), (18, 49610), (49, 49886),

Gene: Lilizi_74 Start: 46910, Stop: 47284, Start Num: 13

Candidate Starts for Lilizi_74:

(Start: 13 @46910 has 59 MA's), (Start: 14 @46916 has 30 MA's), (24, 46988), (28, 47048), (47, 47216),

Gene: Lilizi_81 Start: 49287, Stop: 49619, Start Num: 15

Candidate Starts for Lilizi_81:

(1, 48717), (2, 48834), (3, 49035), (Start: 12 @49272 has 22 MA's), (Start: 15 @49287 has 103 MA's), (18, 49323), (49, 49599),

Gene: Lilpickle_72 Start: 46795, Stop: 47169, Start Num: 13

Candidate Starts for Lilpickle_72:

(Start: 13 @46795 has 59 MA's), (Start: 14 @46801 has 30 MA's), (24, 46873), (28, 46933), (47, 47101),

Gene: Lilpickle_79 Start: 49172, Stop: 49507, Start Num: 15

Candidate Starts for Lilpickle_79:

(3, 48920), (Start: 12 @49157 has 22 MA's), (Start: 15 @49172 has 103 MA's), (18, 49208), (49, 49487),

Gene: LittleE_136 Start: 72806, Stop: 73159, Start Num: 10

Candidate Starts for LittleE_136:

(Start: 10 @72806 has 12 MA's), (Start: 13 @72815 has 59 MA's),

Gene: Loadrie_44 Start: 35379, Stop: 35804, Start Num: 5

Candidate Starts for Loadrie_44:

(Start: 5 @35379 has 10 MA's), (Start: 7 @35388 has 39 MA's), (16, 35475), (17, 35493), (21, 35520), (22, 35523), (29, 35598), (30, 35610), (44, 35718), (50, 35781),

Gene: Lucky2013_128 Start: 69682, Stop: 70035, Start Num: 10

Candidate Starts for Lucky2013_128:

(Start: 10 @69682 has 12 MA's), (Start: 13 @69691 has 59 MA's), (45, 69961), (49, 70012),

Gene: Lumos_42 Start: 35643, Stop: 36050, Start Num: 7

Candidate Starts for Lumos_42:

(Start: 4 @35622 has 3 MA's), (Start: 5 @35634 has 10 MA's), (Start: 7 @35643 has 39 MA's), (16, 35727), (17, 35745), (Start: 19 @35763 has 1 MA's), (21, 35772), (34, 35889), (50, 36027),

Gene: MISSy_81 Start: 49663, Stop: 50013, Start Num: 12

Candidate Starts for MISSy_81:

(3, 49426), (Start: 12 @49663 has 22 MA's), (Start: 15 @49678 has 103 MA's), (18, 49714), (49, 49993),

Gene: MISSy_74 Start: 47301, Stop: 47675, Start Num: 13

Candidate Starts for MISSy_74:

(Start: 13 @47301 has 59 MA's), (Start: 14 @47307 has 30 MA's), (24, 47379), (28, 47439), (47, 47607),

Gene: MPhalcon_81 Start: 49671, Stop: 50006, Start Num: 15

Candidate Starts for MPhalcon_81:

(3, 49419), (Start: 12 @49656 has 22 MA's), (Start: 15 @49671 has 103 MA's), (18, 49707), (49, 49986),

Gene: MPhalcon_74 Start: 47294, Stop: 47668, Start Num: 13

Candidate Starts for MPhalcon_74:

(Start: 13 @47294 has 59 MA's), (Start: 14 @47300 has 30 MA's), (24, 47372), (28, 47432), (47, 47600),

Gene: MadamMonkfish_73 Start: 46525, Stop: 46893, Start Num: 14

Candidate Starts for MadamMonkfish_73:

(Start: 13 @46519 has 59 MA's), (Start: 14 @46525 has 30 MA's), (24, 46597), (28, 46657), (47, 46825),

Gene: Manda_74 Start: 48378, Stop: 48755, Start Num: 13

Candidate Starts for Manda_74:

(Start: 13 @48378 has 59 MA's), (Start: 14 @48384 has 30 MA's), (24, 48456), (28, 48516), (47, 48687),

Gene: Manda_81 Start: 50758, Stop: 51093, Start Num: 15

Candidate Starts for Manda_81:

(3, 50506), (Start: 12 @50743 has 22 MA's), (Start: 15 @50758 has 103 MA's), (18, 50794), (49, 51073),

Gene: Marshmallow_71 Start: 48077, Stop: 48448, Start Num: 14

Candidate Starts for Marshmallow_71:

(Start: 13 @48071 has 59 MA's), (Start: 14 @48077 has 30 MA's), (24, 48149), (28, 48209), (47, 48380),

Gene: Marshmallow_78 Start: 50436, Stop: 50783, Start Num: 12

Candidate Starts for Marshmallow_78:

(3, 50199), (Start: 12 @50436 has 22 MA's), (Start: 15 @50451 has 103 MA's), (18, 50487), (49, 50763),

Gene: Maxxinista_82 Start: 49547, Stop: 49879, Start Num: 15

Candidate Starts for Maxxinista_82:

(3, 49295), (Start: 12 @49532 has 22 MA's), (Start: 15 @49547 has 103 MA's), (18, 49583), (49, 49859),

Gene: Maxxinista_75 Start: 47176, Stop: 47544, Start Num: 14

Candidate Starts for Maxxinista_75:

(Start: 13 @47170 has 59 MA's), (Start: 14 @47176 has 30 MA's), (24, 47248), (28, 47308), (47, 47476),

Gene: MiaZeal_133 Start: 70821, Stop: 71174, Start Num: 10

Candidate Starts for MiaZeal_133:

(Start: 10 @70821 has 12 MA's), (Start: 13 @70830 has 59 MA's), (45, 71100), (49, 71151),

Gene: Miley16_45 Start: 35347, Stop: 35772, Start Num: 5

Candidate Starts for Miley16_45:

(Start: 5 @35347 has 10 MA's), (Start: 7 @35356 has 39 MA's), (16, 35443), (17, 35461), (21, 35488), (22, 35491), (29, 35566), (30, 35578), (44, 35686), (50, 35749),

Gene: Mindy_79 Start: 48763, Stop: 49095, Start Num: 15

Candidate Starts for Mindy_79:

(3, 48511), (Start: 12 @48748 has 22 MA's), (Start: 15 @48763 has 103 MA's), (18, 48799), (49, 49075),

Gene: MiniLon_42 Start: 35458, Stop: 35865, Start Num: 7

Candidate Starts for MiniLon_42:

(Start: 4 @35437 has 3 MA's), (Start: 7 @35458 has 39 MA's), (16, 35542), (17, 35560), (Start: 19 @35578 has 1 MA's), (21, 35587), (34, 35704), (50, 35842),

Gene: MiniMac_42 Start: 35455, Stop: 35862, Start Num: 7

Candidate Starts for MiniMac_42:

(Start: 4 @35434 has 3 MA's), (Start: 7 @35455 has 39 MA's), (16, 35539), (17, 35557), (Start: 19 @35575 has 1 MA's), (21, 35584), (34, 35701), (50, 35839),

Gene: Miniwave_75 Start: 49216, Stop: 49551, Start Num: 15

Candidate Starts for Miniwave_75:

(3, 48964), (Start: 12 @49201 has 22 MA's), (Start: 15 @49216 has 103 MA's), (18, 49252), (35, 49393), (40, 49432), (42, 49468), (43, 49471), (48, 49489), (49, 49531),

Gene: Misfit_81 Start: 50690, Stop: 51025, Start Num: 15

Candidate Starts for Misfit_81:

(3, 50438), (Start: 12 @50675 has 22 MA's), (Start: 15 @50690 has 103 MA's), (18, 50726), (49, 51005),

Gene: Misfit_74 Start: 48313, Stop: 48687, Start Num: 13

Candidate Starts for Misfit_74:

(Start: 13 @48313 has 59 MA's), (Start: 14 @48319 has 30 MA's), (24, 48391), (28, 48451), (47, 48619),

Gene: MkaliMitinis3_45 Start: 35358, Stop: 35774, Start Num: 7

Candidate Starts for MkaliMitinis3_45:

(Start: 5 @35349 has 10 MA's), (Start: 7 @35358 has 39 MA's), (16, 35445), (17, 35463), (21, 35490), (22, 35493), (29, 35568), (30, 35580), (44, 35688), (50, 35751),

Gene: Moldemort_83 Start: 49775, Stop: 50107, Start Num: 15

Candidate Starts for Moldemort_83:

(3, 49523), (Start: 12 @49760 has 22 MA's), (Start: 15 @49775 has 103 MA's), (18, 49811), (49, 50087),

Gene: Mosby_76 Start: 48973, Stop: 49308, Start Num: 15

Candidate Starts for Mosby_76:

(3, 48721), (Start: 12 @48958 has 22 MA's), (Start: 15 @48973 has 103 MA's), (18, 49009), (49, 49288),

Gene: Mosby_69 Start: 46596, Stop: 46970, Start Num: 13

Candidate Starts for Mosby_69:

(Start: 13 @46596 has 59 MA's), (Start: 14 @46602 has 30 MA's), (24, 46674), (28, 46734), (47, 46902),

Gene: MsGreen_42 Start: 35625, Stop: 36053, Start Num: 4

Candidate Starts for MsGreen_42:

(Start: 4 @35625 has 3 MA's), (Start: 5 @35637 has 10 MA's), (Start: 7 @35646 has 39 MA's), (16, 35730), (17, 35748), (Start: 19 @35766 has 1 MA's), (21, 35775), (34, 35892), (50, 36030),

Gene: Murica_76 Start: 48251, Stop: 48619, Start Num: 14

Candidate Starts for Murica_76:

(Start: 13 @48245 has 59 MA's), (Start: 14 @48251 has 30 MA's), (24, 48323), (28, 48383), (47, 48551),

Gene: Murica_83 Start: 50622, Stop: 50954, Start Num: 15

Candidate Starts for Murica_83:

(Start: 12 @50607 has 22 MA's), (Start: 15 @50622 has 103 MA's), (18, 50658), (49, 50934),

Gene: Murphy_73 Start: 47688, Stop: 48056, Start Num: 14

Candidate Starts for Murphy_73:

(Start: 13 @47682 has 59 MA's), (Start: 14 @47688 has 30 MA's), (24, 47760), (28, 47820), (47, 47988),

Gene: Murphy_80 Start: 50059, Stop: 50391, Start Num: 15

Candidate Starts for Murphy_80:

(3, 49807), (Start: 12 @50044 has 22 MA's), (Start: 15 @50059 has 103 MA's), (18, 50095), (49, 50371),

Gene: Myrale_80 Start: 50316, Stop: 50651, Start Num: 15

Candidate Starts for Myrale_80:

(3, 50064), (Start: 12 @50301 has 22 MA's), (Start: 15 @50316 has 103 MA's), (18, 50352), (35, 50493), (40, 50532), (42, 50568), (43, 50571), (48, 50589), (49, 50631),

Gene: Myrale_73 Start: 47936, Stop: 48313, Start Num: 13

Candidate Starts for Myrale_73:

(Start: 13 @47936 has 59 MA's), (Start: 14 @47942 has 30 MA's), (24, 48014), (28, 48074), (47, 48245),

Gene: Nala_75 Start: 47812, Stop: 48177, Start Num: 14

Candidate Starts for Nala_75:

(Start: 13 @47806 has 59 MA's), (Start: 14 @47812 has 30 MA's), (24, 47884), (28, 47938), (47, 48109),

Gene: Nala_82 Start: 50180, Stop: 50515, Start Num: 15

Candidate Starts for Nala_82:

(1, 49610), (2, 49727), (3, 49928), (Start: 12 @50165 has 22 MA's), (Start: 15 @50180 has 103 MA's), (18, 50216), (49, 50495),

Gene: Nekros_136 Start: 74272, Stop: 74625, Start Num: 10

Candidate Starts for Nekros_136:

(Start: 10 @74272 has 12 MA's), (Start: 13 @74281 has 59 MA's), (45, 74551),

Gene: NelitzaMV_78 Start: 49247, Stop: 49597, Start Num: 12

Candidate Starts for NelitzaMV_78:

(3, 49010), (Start: 12 @49247 has 22 MA's), (Start: 15 @49262 has 103 MA's), (18, 49298), (49, 49577),

Gene: Netyap_45 Start: 35356, Stop: 35772, Start Num: 7

Candidate Starts for Netyap_45:

(Start: 5 @35347 has 10 MA's), (Start: 7 @35356 has 39 MA's), (16, 35443), (17, 35461), (21, 35488), (22, 35491), (29, 35566), (30, 35578), (44, 35686), (50, 35749),

Gene: Nicholasp3_45 Start: 35348, Stop: 35773, Start Num: 5

Candidate Starts for Nicholasp3_45:

(Start: 5 @35348 has 10 MA's), (Start: 7 @35357 has 39 MA's), (16, 35444), (17, 35462), (21, 35489), (22, 35492), (29, 35567), (30, 35579), (44, 35687), (50, 35750),

Gene: Nimrod_81 Start: 50883, Stop: 51218, Start Num: 15

Candidate Starts for Nimrod_81:

(1, 50313), (2, 50430), (3, 50631), (Start: 12 @50868 has 22 MA's), (Start: 15 @50883 has 103 MA's), (18, 50919), (49, 51198),

Gene: NoSleep_74 Start: 47140, Stop: 47514, Start Num: 13

Candidate Starts for NoSleep_74:

(Start: 13 @47140 has 59 MA's), (Start: 14 @47146 has 30 MA's), (24, 47218), (28, 47278), (47, 47446),

Gene: NoSleep_81 Start: 49517, Stop: 49852, Start Num: 15

Candidate Starts for NoSleep_81:

(3, 49265), (Start: 12 @49502 has 22 MA's), (Start: 15 @49517 has 103 MA's), (18, 49553), (49, 49832),

Gene: OhShagHennessy_42 Start: 33983, Stop: 34399, Start Num: 7

Candidate Starts for OhShagHennessy_42:

(Start: 4 @33962 has 3 MA's), (Start: 7 @33983 has 39 MA's), (11, 34049), (16, 34070), (17, 34088), (23, 34127), (25, 34139), (29, 34196), (38, 34256), (50, 34376),

Gene: Omega_143 Start: 74487, Stop: 74840, Start Num: 10

Candidate Starts for Omega_143:

(Start: 10 @74487 has 12 MA's), (Start: 13 @74496 has 59 MA's),

Gene: OneUp_106 Start: 66594, Stop: 66947, Start Num: 15

Candidate Starts for OneUp_106:

(Start: 15 @66594 has 103 MA's), (24, 66660), (33, 66759), (36, 66783), (51, 66942),

Gene: OrionPax_72 Start: 46894, Stop: 47265, Start Num: 14

Candidate Starts for OrionPax_72:

(Start: 13 @46888 has 59 MA's), (Start: 14 @46894 has 30 MA's), (24, 46966), (28, 47026), (38, 47125), (47, 47197),

Gene: OrionPax_79 Start: 49268, Stop: 49603, Start Num: 15

Candidate Starts for OrionPax_79:

(3, 49016), (Start: 12 @49253 has 22 MA's), (Start: 15 @49268 has 103 MA's), (18, 49304), (49, 49583),

Gene: Palpatine_82 Start: 50649, Stop: 50981, Start Num: 15

Candidate Starts for Palpatine_82:

(3, 50397), (Start: 12 @50634 has 22 MA's), (Start: 15 @50649 has 103 MA's), (18, 50685), (49, 50961),

Gene: Palpatine_75 Start: 48272, Stop: 48646, Start Num: 13

Candidate Starts for Palpatine_75:

(Start: 13 @48272 has 59 MA's), (Start: 14 @48278 has 30 MA's), (24, 48350), (28, 48410), (47, 48578),

Gene: Paperbeatsrock_79 Start: 49894, Stop: 50229, Start Num: 15

Candidate Starts for Paperbeatsrock_79:

(3, 49642), (Start: 12 @49879 has 22 MA's), (Start: 15 @49894 has 103 MA's), (18, 49930), (35, 50071), (40, 50110), (42, 50146), (43, 50149), (48, 50167), (49, 50209),

Gene: Pat3_78 Start: 48426, Stop: 48761, Start Num: 15

Candidate Starts for Pat3_78:

(3, 48174), (Start: 12 @48411 has 22 MA's), (Start: 15 @48426 has 103 MA's), (18, 48462), (26, 48516), (40, 48642), (42, 48678), (43, 48681), (48, 48699), (49, 48741),

Gene: Pat3_71 Start: 46046, Stop: 46423, Start Num: 13

Candidate Starts for Pat3_71:

(Start: 13 @46046 has 59 MA's), (Start: 14 @46052 has 30 MA's), (24, 46124), (28, 46184), (38, 46283), (47, 46355),

Gene: Petra64142_84 Start: 51113, Stop: 51448, Start Num: 15

Candidate Starts for Petra64142_84:

(3, 50861), (Start: 12 @51098 has 22 MA's), (Start: 15 @51113 has 103 MA's), (18, 51149), (49, 51428),

Gene: Petra64142_77 Start: 48748, Stop: 49110, Start Num: 14

Candidate Starts for Petra64142_77:

(Start: 13 @48742 has 59 MA's), (Start: 14 @48748 has 30 MA's), (24, 48820), (47, 49042),

Gene: Phaja_78 Start: 49720, Stop: 50055, Start Num: 15

Candidate Starts for Phaja_78:

(3, 49468), (Start: 12 @49705 has 22 MA's), (Start: 15 @49720 has 103 MA's), (18, 49756), (35, 49897), (40, 49936), (42, 49972), (43, 49975), (48, 49993), (49, 50035),

Gene: Pharsalus_77 Start: 49694, Stop: 50029, Start Num: 15

Candidate Starts for Pharsalus_77:

(3, 49442), (Start: 12 @49679 has 22 MA's), (Start: 15 @49694 has 103 MA's), (18, 49730), (35, 49871), (40, 49910), (42, 49946), (43, 49949), (48, 49967), (49, 50009),

Gene: PhatBacter_77 Start: 48289, Stop: 48663, Start Num: 13

Candidate Starts for PhatBacter_77:

(Start: 13 @48289 has 59 MA's), (Start: 14 @48295 has 30 MA's), (24, 48367), (28, 48427), (47, 48595),

Gene: PhatBacter_84 Start: 50666, Stop: 51001, Start Num: 15

Candidate Starts for PhatBacter_84:

(1, 50096), (2, 50213), (3, 50414), (Start: 12 @50651 has 22 MA's), (Start: 15 @50666 has 103 MA's), (18, 50702), (49, 50981),

Gene: Phaux_75 Start: 48284, Stop: 48658, Start Num: 13

Candidate Starts for Phaux_75:

(Start: 13 @48284 has 59 MA's), (Start: 14 @48290 has 30 MA's), (24, 48362), (28, 48422), (47, 48590),

Gene: Phaux_82 Start: 50661, Stop: 50996, Start Num: 15

Candidate Starts for Phaux_82:

(3, 50409), (Start: 12 @50646 has 22 MA's), (Start: 15 @50661 has 103 MA's), (18, 50697), (26, 50751), (40, 50877), (42, 50913), (43, 50916), (48, 50934), (49, 50976),

Gene: Phrux_70 Start: 46880, Stop: 47254, Start Num: 13

Candidate Starts for Phrux_70:

(Start: 13 @46880 has 59 MA's), (Start: 14 @46886 has 30 MA's), (24, 46958), (28, 47018), (47, 47186),

Gene: Phrux_77 Start: 49257, Stop: 49589, Start Num: 15

Candidate Starts for Phrux_77:

(3, 49005), (Start: 12 @49242 has 22 MA's), (Start: 15 @49257 has 103 MA's), (18, 49293), (49, 49569),

Gene: Policronamos_83 Start: 50661, Stop: 50996, Start Num: 15

Candidate Starts for Policronamos_83:

(3, 50409), (Start: 12 @50646 has 22 MA's), (Start: 15 @50661 has 103 MA's), (18, 50697), (26, 50751), (40, 50877), (42, 50913), (43, 50916), (48, 50934), (49, 50976),

Gene: Policronamos_76 Start: 48284, Stop: 48658, Start Num: 13

Candidate Starts for Policronamos_76:

(Start: 13 @48284 has 59 MA's), (Start: 14 @48290 has 30 MA's), (24, 48362), (28, 48422), (47, 48590),

Gene: Porcelain_131 Start: 70628, Stop: 70981, Start Num: 10

Candidate Starts for Porcelain_131:

(Start: 10 @70628 has 12 MA's), (Start: 13 @70637 has 59 MA's), (45, 70907), (49, 70958),

Gene: Porky_79 Start: 49072, Stop: 49419, Start Num: 12

Candidate Starts for Porky_79:

(Start: 12 @49072 has 22 MA's), (Start: 15 @49087 has 103 MA's), (18, 49123), (49, 49399),

Gene: Porky_72 Start: 46716, Stop: 47084, Start Num: 14

Candidate Starts for Porky_72:

(Start: 13 @46710 has 59 MA's), (Start: 14 @46716 has 30 MA's), (24, 46788), (28, 46848), (47, 47016),

Gene: Pumpkin_76 Start: 47944, Stop: 48312, Start Num: 14

Candidate Starts for Pumpkin_76:

(Start: 13 @47938 has 59 MA's), (Start: 14 @47944 has 30 MA's), (24, 48016), (28, 48076), (47, 48244),

Gene: Pumpkin_83 Start: 50315, Stop: 50647, Start Num: 15

Candidate Starts for Pumpkin_83:

(1, 49745), (2, 49862), (3, 50063), (Start: 12 @50300 has 22 MA's), (Start: 15 @50315 has 103 MA's), (18, 50351), (49, 50627),

Gene: Quallification_81 Start: 50302, Stop: 50637, Start Num: 15

Candidate Starts for Quallification_81:

(3, 50050), (Start: 12 @50287 has 22 MA's), (Start: 15 @50302 has 103 MA's), (18, 50338), (35, 50479), (40, 50518), (42, 50554), (43, 50557), (48, 50575), (49, 50617),

Gene: Rakim_81 Start: 49771, Stop: 50103, Start Num: 15

Candidate Starts for Rakim_81:

(3, 49519), (Start: 12 @49756 has 22 MA's), (Start: 15 @49771 has 103 MA's), (18, 49807), (49, 50083),

Gene: Rakim_74 Start: 47394, Stop: 47768, Start Num: 13

Candidate Starts for Rakim_74:

(Start: 13 @47394 has 59 MA's), (Start: 14 @47400 has 30 MA's), (24, 47472), (28, 47532), (38, 47628), (47, 47700),

Gene: Rearden_132 Start: 71022, Stop: 71375, Start Num: 10

Candidate Starts for Rearden_132:

(Start: 10 @71022 has 12 MA's), (Start: 13 @71031 has 59 MA's), (45, 71301), (49, 71352),

Gene: Rimmer_74 Start: 47642, Stop: 48004, Start Num: 14

Candidate Starts for Rimmer_74:

(Start: 13 @47636 has 59 MA's), (Start: 14 @47642 has 30 MA's), (24, 47714), (47, 47936),

Gene: Rimmer_81 Start: 50007, Stop: 50342, Start Num: 15

Candidate Starts for Rimmer_81:

(3, 49755), (Start: 12 @49992 has 22 MA's), (Start: 15 @50007 has 103 MA's), (18, 50043), (26, 50097), (40, 50223), (42, 50259), (43, 50262), (48, 50280), (49, 50322),

Gene: RiverMonster_80 Start: 49835, Stop: 50167, Start Num: 15
Candidate Starts for RiverMonster_80:
(3, 49583), (Start: 12 @49820 has 22 MA's), (Start: 15 @49835 has 103 MA's), (18, 49871), (49, 50147),

Gene: RiverMonster_73 Start: 47458, Stop: 47832, Start Num: 13
Candidate Starts for RiverMonster_73:
(Start: 13 @47458 has 59 MA's), (Start: 14 @47464 has 30 MA's), (24, 47536), (28, 47596), (47, 47764),

Gene: Rose5_42 Start: 34025, Stop: 34441, Start Num: 7
Candidate Starts for Rose5_42:
(Start: 4 @34004 has 3 MA's), (Start: 7 @34025 has 39 MA's), (11, 34091), (16, 34112), (17, 34130), (23, 34169), (25, 34181), (29, 34238), (38, 34298), (50, 34418),

Gene: Rumpelstiltskin_45 Start: 35623, Stop: 36039, Start Num: 7
Candidate Starts for Rumpelstiltskin_45:
(Start: 5 @35614 has 10 MA's), (Start: 7 @35623 has 39 MA's), (16, 35710), (17, 35728), (21, 35755), (22, 35758), (29, 35833), (30, 35845), (44, 35953), (48, 35968), (50, 36016),

Gene: Saints25_72 Start: 46868, Stop: 47242, Start Num: 13
Candidate Starts for Saints25_72:
(Start: 13 @46868 has 59 MA's), (Start: 14 @46874 has 30 MA's), (24, 46946), (28, 47006), (47, 47174),

Gene: Saints25_79 Start: 49245, Stop: 49580, Start Num: 15
Candidate Starts for Saints25_79:
(3, 48993), (Start: 12 @49230 has 22 MA's), (Start: 15 @49245 has 103 MA's), (18, 49281), (49, 49560),

Gene: Sassay_68 Start: 45564, Stop: 45932, Start Num: 14
Candidate Starts for Sassay_68:
(Start: 13 @45558 has 59 MA's), (Start: 14 @45564 has 30 MA's), (24, 45636), (28, 45696), (47, 45864),

Gene: Sassay_75 Start: 47920, Stop: 48270, Start Num: 12
Candidate Starts for Sassay_75:
(3, 47683), (Start: 12 @47920 has 22 MA's), (Start: 15 @47935 has 103 MA's), (18, 47971), (35, 48112), (40, 48151), (42, 48187), (43, 48190), (48, 48208), (49, 48250),

Gene: Shaboozey_134 Start: 71250, Stop: 71603, Start Num: 10
Candidate Starts for Shaboozey_134:
(Start: 10 @71250 has 12 MA's), (Start: 13 @71259 has 59 MA's), (29, 71385), (45, 71529),

Gene: ShamWow_80 Start: 50157, Stop: 50489, Start Num: 15
Candidate Starts for ShamWow_80:
(3, 49905), (Start: 12 @50142 has 22 MA's), (Start: 15 @50157 has 103 MA's), (18, 50193), (49, 50469),

Gene: ShereKhan_78 Start: 50227, Stop: 50562, Start Num: 15
Candidate Starts for ShereKhan_78:

(3, 49975), (Start: 12 @50212 has 22 MA's), (Start: 15 @50227 has 103 MA's), (18, 50263), (35, 50404), (40, 50443), (42, 50479), (43, 50482), (48, 50500), (49, 50542),

Gene: Silverleaf_42 Start: 34025, Stop: 34441, Start Num: 7

Candidate Starts for Silverleaf_42:

(Start: 4 @34004 has 3 MA's), (Start: 7 @34025 has 39 MA's), (11, 34091), (16, 34112), (17, 34130), (23, 34169), (25, 34181), (29, 34238), (38, 34298), (50, 34418),

Gene: Simpliphy_79 Start: 49235, Stop: 49570, Start Num: 15

Candidate Starts for Simpliphy_79:

(3, 48983), (Start: 12 @49220 has 22 MA's), (Start: 15 @49235 has 103 MA's), (18, 49271), (49, 49550),

Gene: Simpliphy_72 Start: 46864, Stop: 47232, Start Num: 14

Candidate Starts for Simpliphy_72:

(Start: 13 @46858 has 59 MA's), (Start: 14 @46864 has 30 MA's), (24, 46936), (28, 46996), (47, 47164),

Gene: SirDuracell_79 Start: 48521, Stop: 48856, Start Num: 15

Candidate Starts for SirDuracell_79:

(3, 48269), (Start: 12 @48506 has 22 MA's), (Start: 15 @48521 has 103 MA's), (18, 48557), (26, 48611), (40, 48737), (42, 48773), (43, 48776), (48, 48794), (49, 48836),

Gene: SophKB_77 Start: 48913, Stop: 49248, Start Num: 15

Candidate Starts for SophKB_77:

(3, 48661), (Start: 12 @48898 has 22 MA's), (Start: 15 @48913 has 103 MA's), (18, 48949), (35, 49090), (40, 49129), (42, 49165), (43, 49168), (48, 49186), (49, 49228),

Gene: Sotrice96_74 Start: 47536, Stop: 47913, Start Num: 13

Candidate Starts for Sotrice96_74:

(Start: 13 @47536 has 59 MA's), (Start: 14 @47542 has 30 MA's), (24, 47614), (28, 47674), (47, 47845),

Gene: Sotrice96_81 Start: 49916, Stop: 50251, Start Num: 15

Candidate Starts for Sotrice96_81:

(3, 49664), (Start: 12 @49901 has 22 MA's), (Start: 15 @49916 has 103 MA's), (18, 49952), (49, 50231),

Gene: Squint_131 Start: 70888, Stop: 71241, Start Num: 10

Candidate Starts for Squint_131:

(Start: 10 @70888 has 12 MA's), (Start: 13 @70897 has 59 MA's), (45, 71167), (49, 71218),

Gene: Stank_83 Start: 50159, Stop: 50509, Start Num: 12

Candidate Starts for Stank_83:

(3, 49922), (Start: 12 @50159 has 22 MA's), (Start: 15 @50174 has 103 MA's), (18, 50210), (49, 50489),

Gene: Stank_76 Start: 47794, Stop: 48171, Start Num: 13

Candidate Starts for Stank_76:

(Start: 13 @47794 has 59 MA's), (Start: 14 @47800 has 30 MA's), (24, 47872), (28, 47932), (47, 48103),

Gene: Stark_81 Start: 49718, Stop: 50050, Start Num: 15

Candidate Starts for Stark_81:

(3, 49466), (Start: 12 @49703 has 22 MA's), (Start: 15 @49718 has 103 MA's), (18, 49754), (49, 50030),

Gene: Stark_74 Start: 47341, Stop: 47715, Start Num: 13

Candidate Starts for Stark_74:

(Start: 13 @47341 has 59 MA's), (Start: 14 @47347 has 30 MA's), (24, 47419), (28, 47479), (47, 47647),

Gene: StellaBean_78 Start: 49481, Stop: 49813, Start Num: 15

Candidate Starts for StellaBean_78:

(3, 49229), (Start: 12 @49466 has 22 MA's), (Start: 15 @49481 has 103 MA's), (18, 49517), (49, 49793),

Gene: StolenFromERC_76 Start: 47576, Stop: 47953, Start Num: 13

Candidate Starts for StolenFromERC_76:

(Start: 13 @47576 has 59 MA's), (Start: 14 @47582 has 30 MA's), (24, 47654), (28, 47714), (47, 47885),

Gene: StolenFromERC_83 Start: 49956, Stop: 50291, Start Num: 15

Candidate Starts for StolenFromERC_83:

(3, 49704), (Start: 12 @49941 has 22 MA's), (Start: 15 @49956 has 103 MA's), (18, 49992), (49, 50271),

Gene: StormChicken_75 Start: 48243, Stop: 48611, Start Num: 13

Candidate Starts for StormChicken_75:

(Start: 13 @48243 has 59 MA's), (Start: 14 @48249 has 30 MA's), (24, 48321), (47, 48543),

Gene: StormChicken_82 Start: 50599, Stop: 50949, Start Num: 12

Candidate Starts for StormChicken_82:

(3, 50362), (Start: 12 @50599 has 22 MA's), (Start: 15 @50614 has 103 MA's), (18, 50650), (35, 50791), (40, 50830), (42, 50866), (43, 50869), (48, 50887), (49, 50929),

Gene: Superphikiman_131 Start: 70104, Stop: 70457, Start Num: 10

Candidate Starts for Superphikiman_131:

(Start: 10 @70104 has 12 MA's), (Start: 13 @70113 has 59 MA's), (45, 70383),

Gene: TBrady12_83 Start: 49655, Stop: 49990, Start Num: 15

Candidate Starts for TBrady12_83:

(3, 49403), (Start: 12 @49640 has 22 MA's), (Start: 15 @49655 has 103 MA's), (18, 49691), (49, 49970),

Gene: Tarkin_79 Start: 49903, Stop: 50238, Start Num: 15

Candidate Starts for Tarkin_79:

(3, 49651), (Start: 12 @49888 has 22 MA's), (Start: 15 @49903 has 103 MA's), (18, 49939), (35, 50080), (40, 50119), (42, 50155), (43, 50158), (48, 50176), (49, 50218),

Gene: TeardropMSU_69 Start: 46523, Stop: 46900, Start Num: 13

Candidate Starts for TeardropMSU_69:

(Start: 13 @46523 has 59 MA's), (Start: 14 @46529 has 30 MA's), (24, 46601), (28, 46661), (47, 46832),

Gene: TeardropMSU_76 Start: 48888, Stop: 49238, Start Num: 12

Candidate Starts for TeardropMSU_76:

(3, 48651), (Start: 12 @48888 has 22 MA's), (Start: 15 @48903 has 103 MA's), (18, 48939), (35, 49080), (40, 49119), (42, 49155), (43, 49158), (48, 49176), (49, 49218),

Gene: Teaspoon_81 Start: 49797, Stop: 50132, Start Num: 15

Candidate Starts for Teaspoon_81:

(3, 49545), (Start: 12 @49782 has 22 MA's), (Start: 15 @49797 has 103 MA's), (18, 49833), (49, 50112),

Gene: Terminus_76 Start: 48319, Stop: 48687, Start Num: 14

Candidate Starts for Terminus_76:

(Start: 13 @48313 has 59 MA's), (Start: 14 @48319 has 30 MA's), (24, 48391), (28, 48451), (47, 48619),

Gene: Terminus_83 Start: 50690, Stop: 51025, Start Num: 15

Candidate Starts for Terminus_83:

(3, 50438), (Start: 12 @50675 has 22 MA's), (Start: 15 @50690 has 103 MA's), (18, 50726), (49, 51005),

Gene: Thimble_82 Start: 49123, Stop: 49470, Start Num: 12

Candidate Starts for Thimble_82:

(1, 48568), (2, 48685), (3, 48886), (Start: 12 @49123 has 22 MA's), (Start: 15 @49138 has 103 MA's), (18, 49174), (49, 49450),

Gene: Thimble_75 Start: 46764, Stop: 47135, Start Num: 14

Candidate Starts for Thimble_75:

(Start: 13 @46758 has 59 MA's), (Start: 14 @46764 has 30 MA's), (24, 46836), (28, 46896), (47, 47067),

Gene: Thresher_75 Start: 48406, Stop: 48774, Start Num: 14

Candidate Starts for Thresher_75:

(Start: 13 @48400 has 59 MA's), (Start: 14 @48406 has 30 MA's), (24, 48478), (28, 48538), (47, 48706),

Gene: Thresher_82 Start: 50777, Stop: 51109, Start Num: 15

Candidate Starts for Thresher_82:

(3, 50525), (Start: 12 @50762 has 22 MA's), (Start: 15 @50777 has 103 MA's), (18, 50813), (49, 51089),

Gene: Tomaszewski_68 Start: 46695, Stop: 47063, Start Num: 13

Candidate Starts for Tomaszewski_68:

(Start: 13 @46695 has 59 MA's), (Start: 14 @46701 has 30 MA's), (32, 46857), (43, 46980), (50, 47046),

Gene: Tomaszewski_75 Start: 49066, Stop: 49401, Start Num: 15

Candidate Starts for Tomaszewski_75:

(3, 48814), (Start: 12 @49051 has 22 MA's), (Start: 15 @49066 has 103 MA's), (18, 49102), (49, 49381),

Gene: Toto_78 Start: 50157, Stop: 50489, Start Num: 15

Candidate Starts for Toto_78:

(3, 49905), (Start: 12 @50142 has 22 MA's), (Start: 15 @50157 has 103 MA's), (18, 50193), (49, 50469),

Gene: Tourach_44 Start: 35371, Stop: 35784, Start Num: 7

Candidate Starts for Tourach_44:

(Start: 5 @35362 has 10 MA's), (Start: 7 @35371 has 39 MA's), (16, 35458), (17, 35476), (21, 35503), (22, 35506), (29, 35581), (50, 35761),

Gene: Traaww1_76 Start: 49341, Stop: 49673, Start Num: 15

Candidate Starts for Traaww1_76:

(3, 49089), (Start: 12 @49326 has 22 MA's), (Start: 15 @49341 has 103 MA's), (18, 49377), (49, 49653),

Gene: Tuco_81 Start: 50665, Stop: 50997, Start Num: 15

Candidate Starts for Tuco_81:

(3, 50413), (Start: 12 @50650 has 22 MA's), (Start: 15 @50665 has 103 MA's), (18, 50701), (49, 50977),

Gene: Tyson_42 Start: 34026, Stop: 34442, Start Num: 7

Candidate Starts for Tyson_42:

(Start: 4 @34005 has 3 MA's), (Start: 7 @34026 has 39 MA's), (11, 34092), (16, 34113), (17, 34131), (23, 34170), (25, 34182), (29, 34239), (38, 34299), (46, 34365), (50, 34419),

Gene: UPIE_43 Start: 34009, Stop: 34425, Start Num: 7

Candidate Starts for UPIE_43:

(Start: 4 @33988 has 3 MA's), (Start: 7 @34009 has 39 MA's), (11, 34075), (16, 34096), (17, 34114), (23, 34153), (25, 34165), (29, 34222), (38, 34282), (50, 34402),

Gene: Ukulele_68 Start: 46671, Stop: 47045, Start Num: 13

Candidate Starts for Ukulele_68:

(Start: 13 @46671 has 59 MA's), (Start: 14 @46677 has 30 MA's), (24, 46749), (28, 46809), (47, 46977),

Gene: Ukulele_75 Start: 49048, Stop: 49383, Start Num: 15

Candidate Starts for Ukulele_75:

(3, 48796), (Start: 12 @49033 has 22 MA's), (Start: 15 @49048 has 103 MA's), (18, 49084), (49, 49363),

Gene: Vetric_45 Start: 35363, Stop: 35779, Start Num: 7

Candidate Starts for Vetric_45:

(Start: 5 @35354 has 10 MA's), (Start: 7 @35363 has 39 MA's), (16, 35450), (17, 35468), (21, 35495), (22, 35498), (29, 35573), (30, 35585), (44, 35693), (50, 35756),

Gene: Wamburgexpress_43 Start: 34024, Stop: 34440, Start Num: 7

Candidate Starts for Wamburgexpress_43:

(Start: 4 @34003 has 3 MA's), (Start: 7 @34024 has 39 MA's), (11, 34090), (16, 34111), (17, 34129), (23, 34168), (25, 34180), (29, 34237), (38, 34297), (50, 34417),

Gene: Whirlwind_43 Start: 35405, Stop: 35812, Start Num: 7

Candidate Starts for Whirlwind_43:

(Start: 4 @35384 has 3 MA's), (Start: 5 @35396 has 10 MA's), (Start: 7 @35405 has 39 MA's), (16, 35489), (17, 35507), (Start: 19 @35525 has 1 MA's), (21, 35534), (34, 35651), (50, 35789),

Gene: Wiggin_82 Start: 49742, Stop: 50074, Start Num: 15

Candidate Starts for Wiggin_82:

(3, 49490), (Start: 12 @49727 has 22 MA's), (Start: 15 @49742 has 103 MA's), (18, 49778), (49, 50054),

Gene: Wigglewiggles_45 Start: 35380, Stop: 35805, Start Num: 5

Candidate Starts for Wigglewiggles_45:

(Start: 5 @35380 has 10 MA's), (Start: 7 @35389 has 39 MA's), (16, 35476), (17, 35494), (21, 35521), (22, 35524), (29, 35599), (30, 35611), (44, 35719), (50, 35782),

Gene: Wilder_45 Start: 35362, Stop: 35778, Start Num: 7

Candidate Starts for Wilder_45:

(Start: 5 @35353 has 10 MA's), (Start: 7 @35362 has 39 MA's), (16, 35449), (17, 35467), (21, 35494), (22, 35497), (29, 35572), (30, 35584), (44, 35692), (50, 35755),

Gene: Willez_75 Start: 47920, Stop: 48270, Start Num: 12

Candidate Starts for Willez_75:

(3, 47683), (Start: 12 @47920 has 22 MA's), (Start: 15 @47935 has 103 MA's), (18, 47971), (35, 48112), (40, 48151), (42, 48187), (43, 48190), (48, 48208), (49, 48250),

Gene: Willez_68 Start: 45564, Stop: 45932, Start Num: 14

Candidate Starts for Willez_68:

(Start: 13 @45558 has 59 MA's), (Start: 14 @45564 has 30 MA's), (24, 45636), (28, 45696), (47, 45864),

Gene: Winky_45 Start: 35347, Stop: 35772, Start Num: 5

Candidate Starts for Winky_45:

(Start: 5 @35347 has 10 MA's), (Start: 7 @35356 has 39 MA's), (16, 35443), (17, 35461), (21, 35488), (22, 35491), (29, 35566), (30, 35578), (44, 35686), (50, 35749),

Gene: Wyatt2_43 Start: 34025, Stop: 34441, Start Num: 7

Candidate Starts for Wyatt2_43:

(Start: 4 @34004 has 3 MA's), (Start: 7 @34025 has 39 MA's), (11, 34091), (16, 34112), (17, 34130), (23, 34169), (25, 34181), (29, 34238), (38, 34298), (50, 34418),

Gene: Xandras_72 Start: 46773, Stop: 47147, Start Num: 13

Candidate Starts for Xandras_72:

(Start: 13 @46773 has 59 MA's), (Start: 14 @46779 has 30 MA's), (24, 46851), (28, 46911), (47, 47079),

Gene: Xandras_79 Start: 49150, Stop: 49482, Start Num: 15

Candidate Starts for Xandras_79:

(1, 48580), (2, 48697), (3, 48898), (Start: 12 @49135 has 22 MA's), (Start: 15 @49150 has 103 MA's), (18, 49186), (49, 49462),

Gene: YassJohnny_70 Start: 46740, Stop: 47102, Start Num: 14

Candidate Starts for YassJohnny_70:

(Start: 13 @46734 has 59 MA's), (Start: 14 @46740 has 30 MA's), (32, 46896), (43, 47019), (50, 47085),

Gene: YassJohnny_77 Start: 49090, Stop: 49440, Start Num: 12

Candidate Starts for YassJohnny_77:

(3, 48853), (Start: 12 @49090 has 22 MA's), (Start: 15 @49105 has 103 MA's), (18, 49141), (35, 49282), (40, 49321), (42, 49357), (43, 49360), (48, 49378), (49, 49420),

Gene: Youngblood_76 Start: 48246, Stop: 48614, Start Num: 14

Candidate Starts for Youngblood_76:

(Start: 13 @48240 has 59 MA's), (Start: 14 @48246 has 30 MA's), (24, 48318), (28, 48378), (47, 48546),

Gene: Youngblood_83 Start: 50617, Stop: 50952, Start Num: 15

Candidate Starts for Youngblood_83:

(3, 50365), (Start: 12 @50602 has 22 MA's), (Start: 15 @50617 has 103 MA's), (18, 50653), (49, 50932),

Gene: Zakai_45 Start: 35614, Stop: 36030, Start Num: 7

Candidate Starts for Zakai_45:

(Start: 5 @35605 has 10 MA's), (Start: 7 @35614 has 39 MA's), (16, 35701), (17, 35719), (21, 35746), (22, 35749), (29, 35824), (30, 35836), (44, 35944), (50, 36007),

Gene: Zaria_43 Start: 34040, Stop: 34456, Start Num: 7

Candidate Starts for Zaria_43:

(Start: 4 @34019 has 3 MA's), (Start: 7 @34040 has 39 MA's), (11, 34106), (16, 34127), (17, 34145), (23, 34184), (25, 34196), (29, 34253), (38, 34313), (50, 34433),

Gene: xkcd_76 Start: 48430, Stop: 48804, Start Num: 13

Candidate Starts for xkcd_76:

(Start: 13 @48430 has 59 MA's), (Start: 14 @48436 has 30 MA's), (24, 48508), (28, 48568), (47, 48736),

Gene: xkcd_83 Start: 50807, Stop: 51139, Start Num: 15

Candidate Starts for xkcd_83:

(Start: 12 @50792 has 22 MA's), (Start: 15 @50807 has 103 MA's), (18, 50843), (49, 51119),