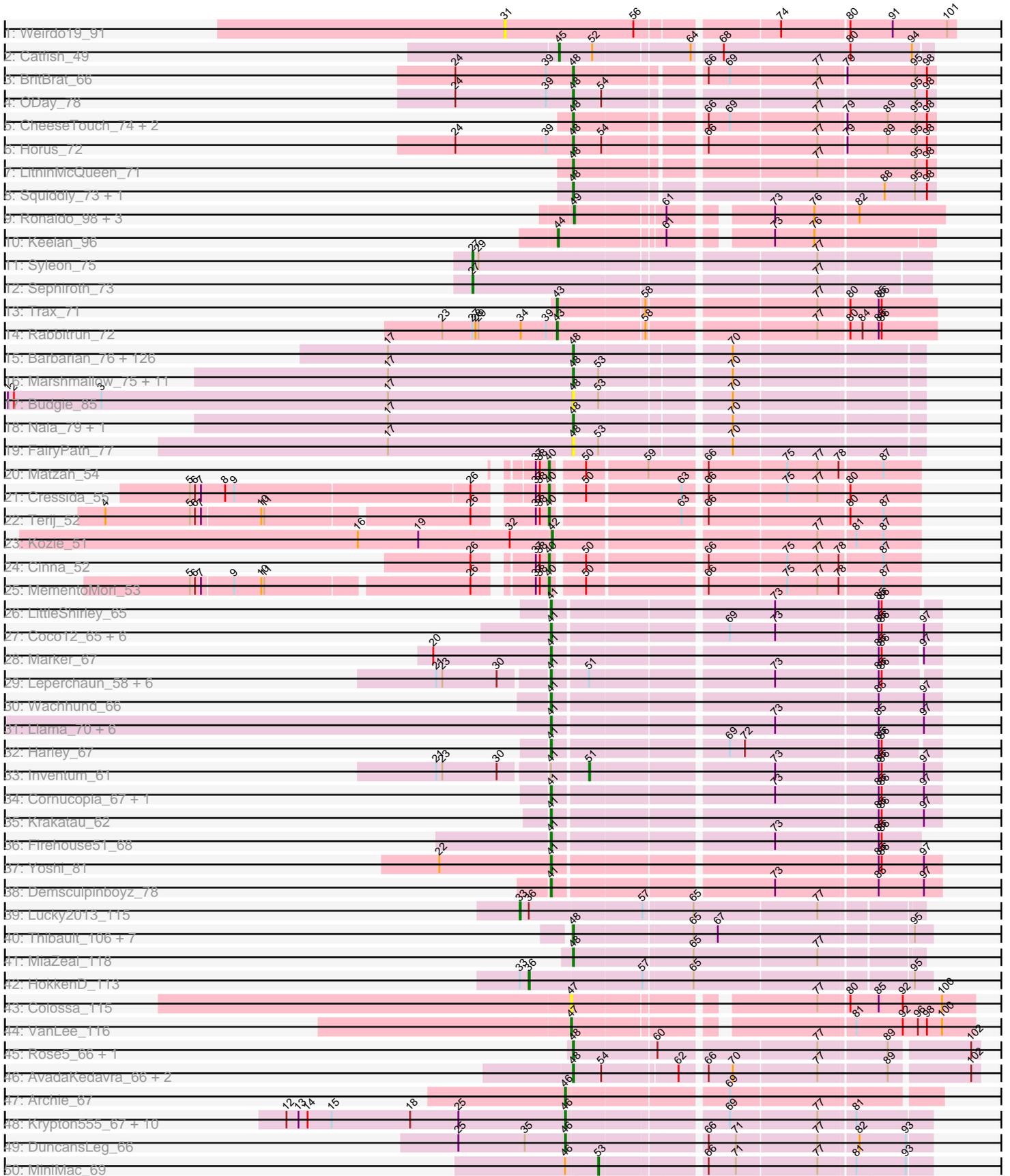


Pham 290812



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 290812 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290812 has 245 members, 20 are drafts.

Phages represented in each track:

- Track 1 : Weirdo19_91
- Track 2 : Catfish_49
- Track 3 : BritBrat_66
- Track 4 : ODay_78
- Track 5 : CheeseTouch_74, Kuwabara_72, Ecliptus_75
- Track 6 : Horus_72
- Track 7 : LitninMcQueen_71
- Track 8 : Squiddly_73, Spooky_68
- Track 9 : Ronaldo_98, Volt_99, Guey18_100, Fryberger_95
- Track 10 : Keelan_96
- Track 11 : Syleon_75
- Track 12 : Sephiroth_73
- Track 13 : Trax_71
- Track 14 : Rabbitrun_72
- Track 15 : Barbarian_76, Greep_81, Bench_80, HufflyPuff_80, PaddyBaddy_77, Mindy_76, AmericanBeauty_81, Myrale_77, Flypotenuse_73, Dumbo_77, Lilac_79, Daikon_79, Manda_78, Ukulele_72, Filch_78, Bogg_77, Teaspoon_78, NoSleep_78, Porky_76, Kostya_77, Buck_78, Petra64142_81, Phaux_79, NonchalantPear_75, Highbury_76, SophKB_74, NelitzaMV_75, FoghornLeghorn_71, Czyszczonek_78, Eureka_75, Pumpkin_80, TBrady12_80, TeardropMSU_73, Nimrod_78, Terminus_80, DrDrey_77, Lilizi_78, BigBubba_77, Sotrice96_78, Mosby_73, Hopey_77, Thresher_79, Harella_77, Elph10_77, Icee_78, Sassay_72, MPhalcon_78, Toto_75, Murphy_77, Inca_74, Policronamos_80, Kimchi_81, Dusk_74, Brewer_72, Command613_79, Gator_75, Kanye_74, Youngblood_80, Henry_75, Saints25_76, CrystalP_76, StormChicken_79, Pharsalus_74, 244_78, ABCat_74, Stark_78, Phrux_74, Miniwave_72, Cactus_80, Elite2014_76, BugsBunny_77, Cjw1_77, Hoonter_80, Misfit_78, Maxxinista_79, Easy2Say_78, ChosenOne_77, Willez_72, BaboJay_74, Emmina_77, Stank_80, Simpliphy_76, Goku_75, Gage_79, Traaww1_73, Moldemort_80, Goldilocks_80, Glexan_76, BadStone_74, Balomoji_77, Asriel_76, Argent26_81, GooberAzure_80, PhatBacter_81, Gemini_82, Palpatine_79, xkcd_80, Phaja_75, Lilpickle_76, RiverMonster_77, Holt_82, Bruin_74, BilboSwaggins_75, Wiggin_79, Xandras_76, ShamWow_77, Ptowny_74, MISSy_78, Murica_80, JeTaime_77, Becksu_76, Rakim_78, MollyToe_72, Tuco_78, Paperbeatsrock_76, HanKaySha_77, Rimmer_78, Contagion_73, Qualification_78, IHOP_75, StolenFromERC_80, Adnama_81, Thimble_78, MadamMonkfish_77, StellaBean_75, GoldenSpark_81, Tarkin_76

- Track 16 : Marshmallow_75, TeamEdward_79, OrionPax_76, YassJohnny_74, Amao_77, SirDuracell_76, Tomaszewski_72, Cookies_74, ChotaBhai_77, DoctorDiddles_76, Bask21_77, Pat3_75
- Track 17 : Budgie_85
- Track 18 : Nala_79, FireRed_81
- Track 19 : FairyPath_77
- Track 20 : Matzah_54
- Track 21 : Cressida_55
- Track 22 : Terij_52
- Track 23 : Kozie_51
- Track 24 : Cinna_52
- Track 25 : MementoMori_53
- Track 26 : LittleShirley_65
- Track 27 : Coco12_65, Cerasum_62, Brookers_63, Sarma624_64, BigPhil_62, Kingsley_63, Velveteen_61
- Track 28 : Marker_67
- Track 29 : Leperchaun_58, JoeyJr_61, PHappiness_61, Polka14_64, Daenerys_60, Spoonbill_63, RitaG_61
- Track 30 : Wachhund_66
- Track 31 : Llama_70, Jinglebell_71, AlpineSix_71, Modragons_69, Ochi17_69, Sebastian_71, OfUltron_71
- Track 32 : Harley_67
- Track 33 : Inventum_61
- Track 34 : Cornucopia_67, Veteran_62
- Track 35 : Krakatau_62
- Track 36 : Firehouse51_68
- Track 37 : Yoshi_81
- Track 38 : Demsculpinboyz_78
- Track 39 : Lucky2013_115
- Track 40 : Thibault_106, Constella_107, JuicyJay_120, NihilNomen_125, Dallas_124, Beem_125, Phoebus_124, Dove_109
- Track 41 : MiaZeal_118
- Track 42 : HokkenD_113
- Track 43 : Colossa_115
- Track 44 : VanLee_116
- Track 45 : Rose5_66, Wamburggrxpress_66
- Track 46 : AvadaKedavra_66, Tyson_67, Wyatt2_67
- Track 47 : Archie_67
- Track 48 : Krypton555_67, Jubie_65, Bellis_66, Clautastrophe_65, Whirlwind_66, Lumos_67, Jobypre_66, MsGreen_66, Red305_66, TriFive_67, Snenia_65
- Track 49 : DuncansLeg_66
- Track 50 : MiniMac_69
- Track 51 : Finnry_66, Samty_66
- Track 52 : Lolly9_65, MiniLon_69
- Track 53 : BourbonZero_66
- Track 54 : Aegeus_71, Baudelaire_71
- Track 55 : Glaske16_67, Dulcita_67, FreakyGoo_67, Izel_67
- Track 56 : MrMagoo_76

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

The start number called the most often in the published annotations is 48, it was called in 157 of the 225 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_78, ABCat_74, Adnama_81, Aegeus_71, Amao_77, AmericanBeauty_81, Argent26_81, Asriel_76, AvadaKedavra_66, BaboJay_74, BadStone_74, Balomoji_77, Barbarian_76, Bask21_77, Baudelaire_71, Becksu_76, Beem_125, Bench_80, BigBubba_77, BilboSwaggins_75, Bogg_77, Brewer_72, BritBrat_66, Bruin_74, Buck_78, Budgie_85, BugsBunny_77, Cactus_80, CheeseTouch_74, ChosenOne_77, ChotaBhai_77, Cjw1_77, Command613_79, Constella_107, Contagion_73, Cookies_74, CrystalP_76, Czystczon1_78, Daikon_79, Dallas_124, DoctorDiddles_76, Dove_109, DrDrey_77, Dulcita_67, Dumbo_77, Dusk_74, Easy2Say_78, Ecliptus_75, Elite2014_76, Elph10_77, Emmina_77, Eureka_75, FairyPath_77, Filch_78, FireRed_81, Flypotenuse_73, FoghornLeghorn_71, FreakyGoo_67, Gage_79, Gator_75, Gemini_82, Glaske16_67, Glexan_76, Goku_75, GoldenSpark_81, Goldilocks_80, GooberAzure_80, Greep_81, HanKaySha_77, Harella_77, Henry_75, Highbury_76, Holt_82, Hoonter_80, Hopey_77, Horus_72, HufflyPuff_80, IHOP_75, Icee_78, Inca_74, Izel_67, JeTaimie_77, JuicyJay_120, Kanye_74, Kimchi_81, Kostya_77, Kuwabara_72, Lilac_79, Lilizi_78, Lilpickle_76, LitninMcQueen_71, MISSy_78, MPhalcon_78, MadamMonkfish_77, Manda_78, Marshmallow_75, Maxxinista_79, MiaZeal_118, Mindy_76, Miniwave_72, Misfit_78, Moldemort_80, MollyToe_72, Mosby_73, MrMagoo_76, Murica_80, Murphy_77, Myrale_77, Nala_79, NelitzaMV_75, NihilNomen_125, Nimrod_78, NoSleep_78, NonchalantPear_75, ODay_78, OrionPax_76, PaddyBaddy_77, Palpatine_79, Paperbeatsrock_76, Pat3_75, Petra64142_81, Phaja_75, Pharsalus_74, PhatBacter_81, Phaux_79, Phoebus_124, Phrux_74, Policronamos_80, Porky_76, Ptowny_74, Pumpkin_80, Qualification_78, Rakim_78, Rimmer_78, RiverMonster_77, Rose5_66, Saints25_76, Sassay_72, ShamWow_77, Simpliphy_76, SirDuracell_76, SophKB_74, Sotrice96_78, Spooky_68, Squiddly_73, Stank_80, Stark_78, StellaBean_75, StolenFromERC_80, StormChicken_79, TBrady12_80, Tarkin_76, TeamEdward_79, TeardropMSU_73, Teaspoon_78, Terminus_80, Thibault_106, Thimble_78, Thresher_79, Tomaszewski_72, Toto_75, Traaww1_73, Tuco_78, Tyson_67, Ukulele_72, Wamburgxpress_66, Wiggin_79, Willez_72, Wyatt2_67, Xandras_76, YassJohnny_74, Youngblood_80, xkcd_80,

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

-

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

- AlpineSix_71, Archie_67, Bellis_66, BigPhil_62, BourbonZero_66, Brookers_63, Catfish_49, Cerasum_62, Cinna_52, Clautastrophe_65, Coco12_65, Colossa_115, Cornucopia_67, Cressida_55, Daenerys_60, Demsculpinboyz_78, DuncansLeg_66, Finny_66, Firehouse51_68, Fryberger_95, Guey18_100, Harley_67, HokkenD_113, Inventum_61, Jinglebell_71, Jobypre_66, JoeyJr_61, Jubie_65, Keelan_96, Kingsley_63, Kozie_51, Krakatau_62, Krypton555_67, Leperchaun_58, LittleShirley_65, Llama_70, Lolly9_65, Lucky2013_115, Lumos_67, Marker_67, Matzah_54, MementoMori_53, MiniLon_69, MiniMac_69, Modragons_69, MsGreen_66, Ochi17_69, OfUltron_71, PHappiness_61, Polka14_64, Rabbitrun_72, Red305_66, RitaG_61, Ronaldo_98, Samty_66, Sarma624_64, Seabastian_71, Sephiroth_73, Snenia_65, Spoonbill_63, Syleon_75, Terij_52, Trax_71, TriFive_67, VanLee_116, Velveteen_61, Veteran_62, Volt_99, Wachhund_66, Weirdo19_91,

Whirlwind_66, Yoshi_81,

Summary by start number:

Start 27:

- Found in 3 of 245 (1.2%) of genes in pham
- Manual Annotations of this start: 2 of 225
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Sephiroth_73 (DU1), Syleon_75 (DU1),

Start 31:

- Found in 1 of 245 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Weirido19_91 (AH),

Start 33:

- Found in 2 of 245 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 225
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Lucky2013_115 (J),

Start 36:

- Found in 2 of 245 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 225
- Called 50.0% of time when present
- Phage (with cluster) where this start called: HokkenD_113 (J),

Start 40:

- Found in 5 of 245 (2.0%) of genes in pham
- Manual Annotations of this start: 5 of 225
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cinna_52 (EI), Cressida_55 (EI), Matzah_54 (EI), MementoMori_53 (EI), Terij_52 (EI),

Start 41:

- Found in 32 of 245 (13.1%) of genes in pham
- Manual Annotations of this start: 31 of 225
- Called 96.9% of time when present
- Phage (with cluster) where this start called: AlpineSix_71 (F1), BigPhil_62 (F1), Brookers_63 (F1), Cerasum_62 (F1), Coco12_65 (F1), Cornucopia_67 (F1), Daenerys_60 (F1), Demsculpinboyz_78 (F2), Firehouse51_68 (F1), Harley_67 (F1), Jinglebell_71 (F1), JoeyJr_61 (F1), Kingsley_63 (F1), Krakatau_62 (F1), Leperchaun_58 (F1), LittleShirley_65 (F1), Llama_70 (F1), Marker_67 (F1), Modragons_69 (F1), Ochi17_69 (F1), OfUltron_71 (F1), PHappiness_61 (F1), Polka14_64 (F1), RitaG_61 (F1), Sarma624_64 (F1), Seabastian_71 (F1), Spoonbill_63 (F1), Velveteen_61 (F1), Veteran_62 (F1), Wachhund_66 (F1), Yoshi_81 (F2),

Start 42:

- Found in 1 of 245 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 225
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Kozie_51 (EI),

Start 43:

- Found in 2 of 245 (0.8%) of genes in pham
- Manual Annotations of this start: 2 of 225
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rabbitrun_72 (DU2), Trax_71 (DU2),

Start 44:

- Found in 1 of 245 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 225
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Keelan_96 (DP),

Start 45:

- Found in 1 of 245 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 225
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Catfish_49 (CU5),

Start 46:

- Found in 19 of 245 (7.8%) of genes in pham
- Manual Annotations of this start: 16 of 225
- Called 94.7% of time when present
- Phage (with cluster) where this start called: Archie_67 (L2), Bellis_66 (L3), BourbonZero_66 (L3), Clautastrophe_65 (L3), DuncansLeg_66 (L3), Finnry_66 (L3), Jobypre_66 (L3), Jubie_65 (L3), Krypton555_67 (L3), Lolly9_65 (L3), Lumos_67 (L3), MiniLon_69 (L3), MsGreen_66 (L3), Red305_66 (L3), Samty_66 (L3), Snenia_65 (L3), TriFive_67 (L3), Whirlwind_66 (L3),

Start 47:

- Found in 2 of 245 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 225
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Colossa_115 (KA), VanLee_116 (KA),

Start 48:

- Found in 173 of 245 (70.6%) of genes in pham
- Manual Annotations of this start: 157 of 225
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 244_78 (E), ABCat_74 (E), Adnama_81 (E), Aegeus_71 (L5), Amao_77 (E), AmericanBeauty_81 (E), Argent26_81 (E), Asriel_76 (E), AvadaKedavra_66 (L1), BaboJay_74 (E), BadStone_74 (E), Balomoji_77 (E), Barbarian_76 (E), Bask21_77 (E), Baudelaire_71 (L5), Becksu_76 (E), Beem_125 (J), Bench_80 (E), BigBubba_77 (E), BilboSwaggins_75 (E), Bogg_77 (E), Brewer_72 (E), BritBrat_66 (CY2), Bruin_74 (E), Buck_78 (E), Budgie_85 (E), BugsBunny_77 (E), Cactus_80 (E), CheeseTouch_74 (DN1), ChosenOne_77 (E), ChotaBhai_77 (E), Cjw1_77 (E), Command613_79 (E), Constella_107 (J), Contagion_73 (E), Cookies_74 (E), CrystalP_76 (E), Czyszczonek_1_78 (E), Daikon_79 (E), Dallas_124 (J), DoctorDiddles_76 (E), Dove_109 (J), DrDrey_77 (E), Dulcita_67 (M1), Dumbo_77 (E), Dusk_74 (E), Easy2Say_78 (E), Ecliptus_75 (DN), Elite2014_76 (E), Elph10_77 (E), Emmina_77 (E), Eureka_75 (E), FairyPath_77 (E), Filch_78 (E), FireRed_81 (E), Flypotenuse_73 (E), FoghornLeghorn_71 (E), FreakyGoo_67 (M1),

Gage_79 (E), Gator_75 (E), Gemini_82 (E), Glaske16_67 (M1), Glexan_76 (E), Goku_75 (E), GoldenSpark_81 (E), Goldilocks_80 (E), GooberAzure_80 (E), Greep_81 (E), HanKaySha_77 (E), Harella_77 (E), Henry_75 (E), Highbury_76 (E), Holt_82 (E), Hoonter_80 (E), Hopey_77 (E), Horus_72 (DN1), HuffyPuff_80 (E), IHOP_75 (E), Icee_78 (E), Inca_74 (E), Izel_67 (M1), JeTaime_77 (E), JuicyJay_120 (J), Kanye_74 (E), Kimchi_81 (E), Kostya_77 (E), Kuwabara_72 (DN4), Lilac_79 (E), Lilizi_78 (E), Lilpickle_76 (E), LitninMcQueen_71 (DN1), MISSy_78 (E), MPhalcon_78 (E), MadamMonkfish_77 (E), Manda_78 (E), Marshmallow_75 (E), Maxxinista_79 (E), MiaZeal_118 (J), Mindy_76 (E), Miniwave_72 (E), Misfit_78 (E), Moldemort_80 (E), MollyToe_72 (E), Mosby_73 (E), MrMagoo_76 (M2), Murica_80 (E), Murphy_77 (E), Myrale_77 (E), Nala_79 (E), NelitzaMV_75 (E), NihilNomen_125 (J), Nimrod_78 (E), NoSleep_78 (E), NonchalantPear_75 (E), ODay_78 (DN), OrionPax_76 (E), PaddyBaddy_77 (E), Palpatine_79 (E), Paperbeatsrock_76 (E), Pat3_75 (E), Petra64142_81 (E), Phaja_75 (E), Pharsalus_74 (E), PhatBacter_81 (E), Phaux_79 (E), Phoebus_124 (J), Phrux_74 (E), Policronamos_80 (E), Porky_76 (E), Ptowny_74 (E), Pumpkin_80 (E), Qualification_78 (E), Rakim_78 (E), Rimmer_78 (E), RiverMonster_77 (E), Rose5_66 (L1), Saints25_76 (E), Sassay_72 (E), ShamWow_77 (E), Simpliphy_76 (E), SirDuracell_76 (E), SophKB_74 (E), Sotrice96_78 (E), Spooky_68 (DN2), Squiddly_73 (DN2), Stank_80 (E), Stark_78 (E), StellaBean_75 (E), StolenFromERC_80 (E), StormChicken_79 (E), TBrady12_80 (E), Tarkin_76 (E), TeamEdward_79 (E), TeardropMSU_73 (E), Teaspoon_78 (E), Terminus_80 (E), Thibault_106 (J), Thimble_78 (E), Thresher_79 (E), Tomaszewski_72 (E), Toto_75 (E), Traaww1_73 (E), Tuco_78 (E), Tyson_67 (L1), Ukulele_72 (E), Wamburggrxpress_66 (L1), Wiggin_79 (E), Willez_72 (E), Wyatt2_67 (L1), Xandras_76 (E), YassJohnny_74 (E), Youngblood_80 (E), xkcd_80 (E),

Start 49:

- Found in 4 of 245 (1.6%) of genes in pham
- Manual Annotations of this start: 4 of 225
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fryberger_95 (DP), Guey18_100 (DP), Ronaldo_98 (DP), Volt_99 (DP),

Start 51:

- Found in 8 of 245 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 225
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Inventum_61 (F1),

Start 53:

- Found in 17 of 245 (6.9%) of genes in pham
- Manual Annotations of this start: 1 of 225
- Called 5.9% of time when present
- Phage (with cluster) where this start called: MiniMac_69 (L3),

Summary by clusters:

There are 22 clusters represented in this pham: DN, M1, M2, EI, DP, CU5, DN4, DN1, DN2, DU1, DU2, CY2, E, AH, J, KA, L5, L2, L3, L1, F1, F2,

Info for manual annotations of cluster CU5:

- Start number 45 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CY2:

- Start number 48 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster DN:

- Start number 48 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 48 was manually annotated 3 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 48 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN4:

- Start number 48 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DP:

- Start number 44 was manually annotated 1 time for cluster DP.
- Start number 49 was manually annotated 4 times for cluster DP.

Info for manual annotations of cluster DU1:

- Start number 27 was manually annotated 2 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 43 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster E:

- Start number 48 was manually annotated 127 times for cluster E.

Info for manual annotations of cluster EI:

- Start number 40 was manually annotated 5 times for cluster EI.
- Start number 42 was manually annotated 1 time for cluster EI.

Info for manual annotations of cluster F1:

- Start number 41 was manually annotated 29 times for cluster F1.
- Start number 51 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:

- Start number 41 was manually annotated 2 times for cluster F2.

Info for manual annotations of cluster J:

- Start number 33 was manually annotated 1 time for cluster J.
- Start number 36 was manually annotated 1 time for cluster J.
- Start number 48 was manually annotated 9 times for cluster J.

Info for manual annotations of cluster KA:

- Start number 47 was manually annotated 1 time for cluster KA.

Info for manual annotations of cluster L1:

- Start number 48 was manually annotated 5 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 46 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L3:

- Start number 46 was manually annotated 15 times for cluster L3.
- Start number 53 was manually annotated 1 time for cluster L3.

Info for manual annotations of cluster L5:

- Start number 48 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 48 was manually annotated 4 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 48 was manually annotated 1 time for cluster M2.

Gene Information:

Gene: 244_78 Start: 48609, Stop: 48926, Start Num: 48

Candidate Starts for 244_78:

(17, 48426), (Start: 48 @48609 has 157 MA's), (70, 48750),

Gene: ABCat_74 Start: 48962, Stop: 49279, Start Num: 48

Candidate Starts for ABCat_74:

(17, 48779), (Start: 48 @48962 has 157 MA's), (70, 49103),

Gene: Adnama_81 Start: 48988, Stop: 49305, Start Num: 48

Candidate Starts for Adnama_81:

(17, 48805), (Start: 48 @48988 has 157 MA's), (70, 49129),

Gene: Aegeus_71 Start: 46495, Stop: 46824, Start Num: 48

Candidate Starts for Aegeus_71:

(Start: 48 @46495 has 157 MA's), (61, 46579), (77, 46717), (80, 46744), (83, 46750), (90, 46774), (99, 46813),

Gene: AlpineSix_71 Start: 45319, Stop: 45681, Start Num: 41

Candidate Starts for AlpineSix_71:

(Start: 41 @45319 has 31 MA's), (73, 45523), (85, 45619), (97, 45664),

Gene: Amao_77 Start: 48382, Stop: 48699, Start Num: 48

Candidate Starts for Amao_77:

(17, 48199), (Start: 48 @48382 has 157 MA's), (Start: 53 @48406 has 1 MA's), (70, 48523),

Gene: AmericanBeauty_81 Start: 49131, Stop: 49448, Start Num: 48

Candidate Starts for AmericanBeauty_81:

(17, 48948), (Start: 48 @49131 has 157 MA's), (70, 49272),

Gene: Archie_67 Start: 46551, Stop: 46892, Start Num: 46

Candidate Starts for Archie_67:

(Start: 46 @46551 has 16 MA's), (69, 46698),

Gene: Argent26_81 Start: 48769, Stop: 49086, Start Num: 48

Candidate Starts for Argent26_81:

(17, 48586), (Start: 48 @48769 has 157 MA's), (70, 48910),

Gene: Asriel_76 Start: 47325, Stop: 47642, Start Num: 48

Candidate Starts for Asriel_76:

(17, 47142), (Start: 48 @47325 has 157 MA's), (70, 47466),

Gene: AvadaKedavra_66 Start: 45153, Stop: 45521, Start Num: 48

Candidate Starts for AvadaKedavra_66:

(Start: 48 @45153 has 157 MA's), (54, 45180), (62, 45249), (66, 45270), (70, 45294), (77, 45375), (89, 45438), (102, 45513),

Gene: BaboJay_74 Start: 48162, Stop: 48479, Start Num: 48

Candidate Starts for BaboJay_74:

(17, 47979), (Start: 48 @48162 has 157 MA's), (70, 48303),

Gene: BadStone_74 Start: 48531, Stop: 48848, Start Num: 48

Candidate Starts for BadStone_74:

(17, 48348), (Start: 48 @48531 has 157 MA's), (70, 48672),

Gene: Balomoji_77 Start: 49092, Stop: 49409, Start Num: 48

Candidate Starts for Balomoji_77:

(17, 48909), (Start: 48 @49092 has 157 MA's), (70, 49233),

Gene: Barbarian_76 Start: 47325, Stop: 47642, Start Num: 48

Candidate Starts for Barbarian_76:

(17, 47142), (Start: 48 @47325 has 157 MA's), (70, 47466),

Gene: Bask21_77 Start: 47945, Stop: 48262, Start Num: 48

Candidate Starts for Bask21_77:

(17, 47762), (Start: 48 @47945 has 157 MA's), (Start: 53 @47969 has 1 MA's), (70, 48086),

Gene: Baudelaire_71 Start: 46495, Stop: 46824, Start Num: 48

Candidate Starts for Baudelaire_71:

(Start: 48 @46495 has 157 MA's), (61, 46579), (77, 46717), (80, 46744), (83, 46750), (90, 46774), (99, 46813),

Gene: Becksu_76 Start: 49161, Stop: 49478, Start Num: 48

Candidate Starts for Becksu_76:

(17, 48978), (Start: 48 @49161 has 157 MA's), (70, 49302),

Gene: Beem_125 Start: 69590, Stop: 69922, Start Num: 48

Candidate Starts for Beem_125:

(Start: 48 @69590 has 157 MA's), (65, 69701), (67, 69725), (95, 69905),

Gene: Bellis_66 Start: 46470, Stop: 46802, Start Num: 46

Candidate Starts for Bellis_66:

(12, 46194), (13, 46206), (14, 46215), (15, 46239), (18, 46317), (25, 46365), (Start: 46 @46470 has 16 MA's), (69, 46614), (77, 46698), (81, 46731),

Gene: Bench_80 Start: 48629, Stop: 48946, Start Num: 48

Candidate Starts for Bench_80:

(17, 48446), (Start: 48 @48629 has 157 MA's), (70, 48770),

Gene: BigBubba_77 Start: 48341, Stop: 48658, Start Num: 48

Candidate Starts for BigBubba_77:

(17, 48158), (Start: 48 @48341 has 157 MA's), (70, 48482),

Gene: BigPhil_62 Start: 39148, Stop: 39510, Start Num: 41

Candidate Starts for BigPhil_62:

(Start: 41 @39148 has 31 MA's), (69, 39307), (73, 39352), (85, 39448), (86, 39451), (97, 39493),

Gene: BilboSwaggins_75 Start: 48970, Stop: 49287, Start Num: 48

Candidate Starts for BilboSwaggins_75:

(17, 48787), (Start: 48 @48970 has 157 MA's), (70, 49111),

Gene: Bogg_77 Start: 47908, Stop: 48225, Start Num: 48

Candidate Starts for Bogg_77:

(17, 47725), (Start: 48 @47908 has 157 MA's), (70, 48049),

Gene: BourbonZero_66 Start: 46515, Stop: 46847, Start Num: 46

Candidate Starts for BourbonZero_66:

(25, 46410), (Start: 46 @46515 has 16 MA's), (66, 46638), (71, 46665), (77, 46743), (82, 46779), (93, 46824),

Gene: Brewer_72 Start: 47431, Stop: 47748, Start Num: 48

Candidate Starts for Brewer_72:

(17, 47248), (Start: 48 @47431 has 157 MA's), (70, 47572),

Gene: BritBrat_66 Start: 43849, Stop: 44178, Start Num: 48

Candidate Starts for BritBrat_66:

(24, 43735), (39, 43825), (Start: 48 @43849 has 157 MA's), (66, 43963), (69, 43984), (77, 44068), (79, 44092), (95, 44158), (98, 44170),

Gene: Brookers_63 Start: 42099, Stop: 42461, Start Num: 41

Candidate Starts for Brookers_63:

(Start: 41 @42099 has 31 MA's), (69, 42258), (73, 42303), (85, 42399), (86, 42402), (97, 42444),

Gene: Bruin_74 Start: 47505, Stop: 47822, Start Num: 48

Candidate Starts for Bruin_74:

(17, 47322), (Start: 48 @47505 has 157 MA's), (70, 47646),

Gene: Buck_78 Start: 49210, Stop: 49527, Start Num: 48

Candidate Starts for Buck_78:

(17, 49027), (Start: 48 @49210 has 157 MA's), (70, 49351),

Gene: Budgie_85 Start: 49000, Stop: 49317, Start Num: 48

Candidate Starts for Budgie_85:

(1, 48439), (2, 48445), (3, 48532), (17, 48817), (Start: 48 @49000 has 157 MA's), (Start: 53 @49024 has 1 MA's), (70, 49141),

Gene: BugsBunny_77 Start: 49037, Stop: 49354, Start Num: 48

Candidate Starts for BugsBunny_77:

(17, 48854), (Start: 48 @49037 has 157 MA's), (70, 49178),

Gene: Cactus_80 Start: 47986, Stop: 48303, Start Num: 48

Candidate Starts for Cactus_80:

(17, 47803), (Start: 48 @47986 has 157 MA's), (70, 48127),

Gene: Catfish_49 Start: 34051, Stop: 34401, Start Num: 45

Candidate Starts for Catfish_49:

(Start: 45 @34051 has 1 MA's), (52, 34084), (64, 34174), (68, 34198), (80, 34324), (94, 34384),

Gene: Cerasum_62 Start: 39166, Stop: 39528, Start Num: 41

Candidate Starts for Cerasum_62:

(Start: 41 @39166 has 31 MA's), (69, 39325), (73, 39370), (85, 39466), (86, 39469), (97, 39511),

Gene: CheeseTouch_74 Start: 39429, Stop: 39758, Start Num: 48

Candidate Starts for CheeseTouch_74:

(Start: 48 @39429 has 157 MA's), (66, 39543), (69, 39564), (77, 39648), (79, 39672), (89, 39711), (95, 39738), (98, 39750),

Gene: ChosenOne_77 Start: 47986, Stop: 48303, Start Num: 48

Candidate Starts for ChosenOne_77:

(17, 47803), (Start: 48 @47986 has 157 MA's), (70, 48127),

Gene: ChotaBhai_77 Start: 48310, Stop: 48627, Start Num: 48

Candidate Starts for ChotaBhai_77:

(17, 48127), (Start: 48 @48310 has 157 MA's), (Start: 53 @48334 has 1 MA's), (70, 48451),

Gene: Cinna_52 Start: 36948, Stop: 37283, Start Num: 40

Candidate Starts for Cinna_52:

(26, 36891), (37, 36936), (38, 36939), (Start: 40 @36948 has 5 MA's), (50, 36975), (66, 37083), (75, 37158), (77, 37188), (78, 37209), (87, 37248),

Gene: Cjw1_77 Start: 49683, Stop: 50000, Start Num: 48

Candidate Starts for Cjw1_77:

(17, 49500), (Start: 48 @49683 has 157 MA's), (70, 49824),

Gene: Clautastrophe_65 Start: 46467, Stop: 46799, Start Num: 46

Candidate Starts for Clautastrophe_65:

(12, 46191), (13, 46203), (14, 46212), (15, 46236), (18, 46314), (25, 46362), (Start: 46 @46467 has 16 MA's), (69, 46611), (77, 46695), (81, 46728),

Gene: Coco12_65 Start: 43223, Stop: 43585, Start Num: 41

Candidate Starts for Coco12_65:

(Start: 41 @43223 has 31 MA's), (69, 43382), (73, 43427), (85, 43523), (86, 43526), (97, 43568),

Gene: Colossa_115 Start: 60533, Stop: 60895, Start Num: 47

Candidate Starts for Colossa_115:

(Start: 47 @60533 has 1 MA's), (77, 60746), (80, 60773), (85, 60800), (92, 60824), (100, 60863),

Gene: Command613_79 Start: 49025, Stop: 49342, Start Num: 48

Candidate Starts for Command613_79:

(17, 48842), (Start: 48 @49025 has 157 MA's), (70, 49166),

Gene: Constella_107 Start: 63055, Stop: 63387, Start Num: 48

Candidate Starts for Constella_107:

(Start: 48 @63055 has 157 MA's), (65, 63166), (67, 63190), (95, 63370),

Gene: Contagion_73 Start: 47786, Stop: 48103, Start Num: 48

Candidate Starts for Contagion_73:

(17, 47603), (Start: 48 @47786 has 157 MA's), (70, 47927),

Gene: Cookies_74 Start: 48167, Stop: 48484, Start Num: 48

Candidate Starts for Cookies_74:

(17, 47984), (Start: 48 @48167 has 157 MA's), (Start: 53 @48191 has 1 MA's), (70, 48308),

Gene: Cornucopia_67 Start: 42579, Stop: 42941, Start Num: 41

Candidate Starts for Cornucopia_67:

(Start: 41 @42579 has 31 MA's), (73, 42783), (85, 42879), (86, 42882), (97, 42924),

Gene: Cressida_55 Start: 36599, Stop: 36934, Start Num: 40

Candidate Starts for Cressida_55:

(5, 36272), (6, 36275), (7, 36281), (8, 36305), (9, 36314), (26, 36542), (37, 36587), (38, 36590), (Start: 40 @36599 has 5 MA's), (50, 36626), (63, 36716), (66, 36734), (75, 36809), (77, 36839), (80, 36866),

Gene: CrystalP_76 Start: 48970, Stop: 49287, Start Num: 48

Candidate Starts for CrystalP_76:

(17, 48787), (Start: 48 @48970 has 157 MA's), (70, 49111),

Gene: Czyszczonek_78 Start: 48492, Stop: 48809, Start Num: 48

Candidate Starts for Czyszczonek_78:

(17, 48309), (Start: 48 @48492 has 157 MA's), (70, 48633),

Gene: Daenerys_60 Start: 41329, Stop: 41685, Start Num: 41

Candidate Starts for Daenerys_60:

(21, 41224), (23, 41230), (30, 41284), (Start: 41 @41329 has 31 MA's), (Start: 51 @41362 has 1 MA's), (73, 41533), (85, 41629), (86, 41632),

Gene: Daikon_79 Start: 49113, Stop: 49430, Start Num: 48

Candidate Starts for Daikon_79:

(17, 48930), (Start: 48 @49113 has 157 MA's), (70, 49254),

Gene: Dallas_124 Start: 69105, Stop: 69437, Start Num: 48

Candidate Starts for Dallas_124:

(Start: 48 @69105 has 157 MA's), (65, 69216), (67, 69240), (95, 69420),

Gene: Demsculpinboyz_78 Start: 42611, Stop: 42973, Start Num: 41

Candidate Starts for Demsculpinboyz_78:

(Start: 41 @42611 has 31 MA's), (73, 42815), (85, 42911), (97, 42956),

Gene: DoctorDiddles_76 Start: 48354, Stop: 48671, Start Num: 48

Candidate Starts for DoctorDiddles_76:

(17, 48171), (Start: 48 @48354 has 157 MA's), (Start: 53 @48378 has 1 MA's), (70, 48495),

Gene: Dove_109 Start: 64018, Stop: 64350, Start Num: 48

Candidate Starts for Dove_109:

(Start: 48 @64018 has 157 MA's), (65, 64129), (67, 64153), (95, 64333),

Gene: DrDrey_77 Start: 49411, Stop: 49728, Start Num: 48

Candidate Starts for DrDrey_77:

(17, 49228), (Start: 48 @49411 has 157 MA's), (70, 49552),

Gene: Dulcita_67 Start: 43444, Stop: 43842, Start Num: 48

Candidate Starts for Dulcita_67:

(39, 43423), (Start: 48 @43444 has 157 MA's), (55, 43492), (61, 43528), (80, 43693),

Gene: Dumbo_77 Start: 47891, Stop: 48208, Start Num: 48

Candidate Starts for Dumbo_77:

(17, 47708), (Start: 48 @47891 has 157 MA's), (70, 48032),

Gene: DuncansLeg_66 Start: 46503, Stop: 46835, Start Num: 46

Candidate Starts for DuncansLeg_66:

(25, 46398), (35, 46464), (Start: 46 @46503 has 16 MA's), (66, 46626), (71, 46653), (77, 46731), (82, 46767), (93, 46812),

Gene: Dusk_74 Start: 48191, Stop: 48508, Start Num: 48

Candidate Starts for Dusk_74:

(17, 48008), (Start: 48 @48191 has 157 MA's), (70, 48332),

Gene: Easy2Say_78 Start: 49435, Stop: 49752, Start Num: 48

Candidate Starts for Easy2Say_78:

(17, 49252), (Start: 48 @49435 has 157 MA's), (70, 49576),

Gene: Ecliptus_75 Start: 44750, Stop: 45079, Start Num: 48

Candidate Starts for Ecliptus_75:

(Start: 48 @44750 has 157 MA's), (66, 44864), (69, 44885), (77, 44969), (79, 44993), (89, 45032), (95, 45059), (98, 45071),

Gene: Elite2014_76 Start: 47985, Stop: 48302, Start Num: 48

Candidate Starts for Elite2014_76:

(17, 47802), (Start: 48 @47985 has 157 MA's), (70, 48126),

Gene: Elph10_77 Start: 47990, Stop: 48307, Start Num: 48

Candidate Starts for Elph10_77:

(17, 47807), (Start: 48 @47990 has 157 MA's), (70, 48131),

Gene: Emmina_77 Start: 47892, Stop: 48209, Start Num: 48

Candidate Starts for Emmina_77:

(17, 47709), (Start: 48 @47892 has 157 MA's), (70, 48033),

Gene: Eureka_75 Start: 48456, Stop: 48773, Start Num: 48

Candidate Starts for Eureka_75:

(17, 48273), (Start: 48 @48456 has 157 MA's), (70, 48597),

Gene: FairyPath_77 Start: 49104, Stop: 49421, Start Num: 48

Candidate Starts for FairyPath_77:

(17, 48921), (Start: 48 @49104 has 157 MA's), (Start: 53 @49128 has 1 MA's), (70, 49245),

Gene: Filch_78 Start: 47917, Stop: 48234, Start Num: 48

Candidate Starts for Filch_78:

(17, 47734), (Start: 48 @47917 has 157 MA's), (70, 48058),

Gene: Finnry_66 Start: 46731, Stop: 47063, Start Num: 46

Candidate Starts for Finnry_66:

(13, 46467), (14, 46476), (15, 46500), (18, 46578), (25, 46626), (Start: 46 @46731 has 16 MA's), (69, 46875), (77, 46959), (81, 46992),

Gene: FireRed_81 Start: 49479, Stop: 49796, Start Num: 48
Candidate Starts for FireRed_81:
(17, 49296), (Start: 48 @49479 has 157 MA's), (70, 49620),

Gene: Firehouse51_68 Start: 46363, Stop: 46704, Start Num: 41
Candidate Starts for Firehouse51_68:
(Start: 41 @46363 has 31 MA's), (73, 46567), (85, 46663), (86, 46666),

Gene: Flypotenuse_73 Start: 47976, Stop: 48293, Start Num: 48
Candidate Starts for Flypotenuse_73:
(17, 47793), (Start: 48 @47976 has 157 MA's), (70, 48117),

Gene: FoghornLeghorn_71 Start: 46989, Stop: 47306, Start Num: 48
Candidate Starts for FoghornLeghorn_71:
(17, 46806), (Start: 48 @46989 has 157 MA's), (70, 47130),

Gene: FreakyGoo_67 Start: 43444, Stop: 43842, Start Num: 48
Candidate Starts for FreakyGoo_67:
(39, 43423), (Start: 48 @43444 has 157 MA's), (55, 43492), (61, 43528), (80, 43693),

Gene: Fryberger_95 Start: 48138, Stop: 48464, Start Num: 49
Candidate Starts for Fryberger_95:
(Start: 49 @48138 has 4 MA's), (61, 48219), (73, 48303), (76, 48342), (82, 48381),

Gene: Gage_79 Start: 48769, Stop: 49086, Start Num: 48
Candidate Starts for Gage_79:
(17, 48586), (Start: 48 @48769 has 157 MA's), (70, 48910),

Gene: Gator_75 Start: 48822, Stop: 49139, Start Num: 48
Candidate Starts for Gator_75:
(17, 48639), (Start: 48 @48822 has 157 MA's), (70, 48963),

Gene: Gemini_82 Start: 49286, Stop: 49603, Start Num: 48
Candidate Starts for Gemini_82:
(17, 49103), (Start: 48 @49286 has 157 MA's), (70, 49427),

Gene: Glaske16_67 Start: 43443, Stop: 43841, Start Num: 48
Candidate Starts for Glaske16_67:
(39, 43422), (Start: 48 @43443 has 157 MA's), (55, 43491), (61, 43527), (80, 43692),

Gene: Glexan_76 Start: 49106, Stop: 49423, Start Num: 48
Candidate Starts for Glexan_76:
(17, 48923), (Start: 48 @49106 has 157 MA's), (70, 49247),

Gene: Goku_75 Start: 48185, Stop: 48502, Start Num: 48
Candidate Starts for Goku_75:
(17, 48002), (Start: 48 @48185 has 157 MA's), (70, 48326),

Gene: GoldenSpark_81 Start: 48769, Stop: 49086, Start Num: 48
Candidate Starts for GoldenSpark_81:

(17, 48586), (Start: 48 @48769 has 157 MA's), (70, 48910),

Gene: Goldilocks_80 Start: 48267, Stop: 48584, Start Num: 48

Candidate Starts for Goldilocks_80:

(17, 48084), (Start: 48 @48267 has 157 MA's), (70, 48408),

Gene: GooberAzure_80 Start: 48769, Stop: 49086, Start Num: 48

Candidate Starts for GooberAzure_80:

(17, 48586), (Start: 48 @48769 has 157 MA's), (70, 48910),

Gene: Greep_81 Start: 49768, Stop: 50085, Start Num: 48

Candidate Starts for Greep_81:

(17, 49585), (Start: 48 @49768 has 157 MA's), (70, 49909),

Gene: Guey18_100 Start: 49458, Stop: 49784, Start Num: 49

Candidate Starts for Guey18_100:

(Start: 49 @49458 has 4 MA's), (61, 49539), (73, 49623), (76, 49662), (82, 49701),

Gene: HanKaySha_77 Start: 48070, Stop: 48387, Start Num: 48

Candidate Starts for HanKaySha_77:

(17, 47887), (Start: 48 @48070 has 157 MA's), (70, 48211),

Gene: Harella_77 Start: 49622, Stop: 49939, Start Num: 48

Candidate Starts for Harella_77:

(17, 49439), (Start: 48 @49622 has 157 MA's), (70, 49763),

Gene: Harley_67 Start: 42941, Stop: 43297, Start Num: 41

Candidate Starts for Harley_67:

(Start: 41 @42941 has 31 MA's), (69, 43100), (72, 43115), (85, 43241), (86, 43244),

Gene: Henry_75 Start: 48410, Stop: 48727, Start Num: 48

Candidate Starts for Henry_75:

(17, 48227), (Start: 48 @48410 has 157 MA's), (70, 48551),

Gene: Highbury_76 Start: 48058, Stop: 48375, Start Num: 48

Candidate Starts for Highbury_76:

(17, 47875), (Start: 48 @48058 has 157 MA's), (70, 48199),

Gene: HokkenD_113 Start: 67777, Stop: 68151, Start Num: 36

Candidate Starts for HokkenD_113:

(Start: 33 @67768 has 1 MA's), (Start: 36 @67777 has 1 MA's), (57, 67885), (65, 67930), (95, 68134),

Gene: Holt_82 Start: 49183, Stop: 49500, Start Num: 48

Candidate Starts for Holt_82:

(17, 49000), (Start: 48 @49183 has 157 MA's), (70, 49324),

Gene: Hoonter_80 Start: 48769, Stop: 49086, Start Num: 48

Candidate Starts for Hoonter_80:

(17, 48586), (Start: 48 @48769 has 157 MA's), (70, 48910),

Gene: Hokey_77 Start: 48602, Stop: 48919, Start Num: 48

Candidate Starts for Hokey_77:

(17, 48419), (Start: 48 @48602 has 157 MA's), (70, 48743),

Gene: Horus_72 Start: 44321, Stop: 44650, Start Num: 48

Candidate Starts for Horus_72:

(24, 44207), (39, 44297), (Start: 48 @44321 has 157 MA's), (54, 44348), (66, 44435), (77, 44540), (79, 44564), (89, 44603), (95, 44630), (98, 44642),

Gene: HufflyPuff_80 Start: 49435, Stop: 49752, Start Num: 48

Candidate Starts for HufflyPuff_80:

(17, 49252), (Start: 48 @49435 has 157 MA's), (70, 49576),

Gene: IHOP_75 Start: 48534, Stop: 48851, Start Num: 48

Candidate Starts for IHOP_75:

(17, 48351), (Start: 48 @48534 has 157 MA's), (70, 48675),

Gene: Icee_78 Start: 48433, Stop: 48750, Start Num: 48

Candidate Starts for Icee_78:

(17, 48250), (Start: 48 @48433 has 157 MA's), (70, 48574),

Gene: Inca_74 Start: 47059, Stop: 47376, Start Num: 48

Candidate Starts for Inca_74:

(17, 46876), (Start: 48 @47059 has 157 MA's), (70, 47200),

Gene: Inventum_61 Start: 42492, Stop: 42821, Start Num: 51

Candidate Starts for Inventum_61:

(21, 42354), (23, 42360), (30, 42414), (Start: 41 @42459 has 31 MA's), (Start: 51 @42492 has 1 MA's), (73, 42663), (85, 42759), (86, 42762), (97, 42804),

Gene: Izel_67 Start: 43443, Stop: 43841, Start Num: 48

Candidate Starts for Izel_67:

(39, 43422), (Start: 48 @43443 has 157 MA's), (55, 43491), (61, 43527), (80, 43692),

Gene: JeTaime_77 Start: 49251, Stop: 49568, Start Num: 48

Candidate Starts for JeTaime_77:

(17, 49068), (Start: 48 @49251 has 157 MA's), (70, 49392),

Gene: Jinglebell_71 Start: 45318, Stop: 45680, Start Num: 41

Candidate Starts for Jinglebell_71:

(Start: 41 @45318 has 31 MA's), (73, 45522), (85, 45618), (97, 45663),

Gene: Jobypre_66 Start: 46467, Stop: 46799, Start Num: 46

Candidate Starts for Jobypre_66:

(12, 46191), (13, 46203), (14, 46212), (15, 46236), (18, 46314), (25, 46362), (Start: 46 @46467 has 16 MA's), (69, 46611), (77, 46695), (81, 46728),

Gene: JoeyJr_61 Start: 41497, Stop: 41853, Start Num: 41

Candidate Starts for JoeyJr_61:

(21, 41392), (23, 41398), (30, 41452), (Start: 41 @41497 has 31 MA's), (Start: 51 @41530 has 1 MA's), (73, 41701), (85, 41797), (86, 41800),

Gene: Jubie_65 Start: 46602, Stop: 46934, Start Num: 46

Candidate Starts for Jubie_65:

(12, 46326), (13, 46338), (14, 46347), (15, 46371), (18, 46449), (25, 46497), (Start: 46 @46602 has 16 MA's), (69, 46746), (77, 46830), (81, 46863),

Gene: JuicyJay_120 Start: 70726, Stop: 71058, Start Num: 48
Candidate Starts for JuicyJay_120:
(Start: 48 @70726 has 157 MA's), (65, 70837), (67, 70861), (95, 71041),

Gene: Kanye_74 Start: 48115, Stop: 48432, Start Num: 48
Candidate Starts for Kanye_74:
(17, 47932), (Start: 48 @48115 has 157 MA's), (70, 48256),

Gene: Keelan_96 Start: 49018, Stop: 49347, Start Num: 44
Candidate Starts for Keelan_96:
(Start: 44 @49018 has 1 MA's), (61, 49114), (73, 49198), (76, 49237),

Gene: Kimchi_81 Start: 48772, Stop: 49089, Start Num: 48
Candidate Starts for Kimchi_81:
(17, 48589), (Start: 48 @48772 has 157 MA's), (70, 48913),

Gene: Kingsley_63 Start: 41956, Stop: 42318, Start Num: 41
Candidate Starts for Kingsley_63:
(Start: 41 @41956 has 31 MA's), (69, 42115), (73, 42160), (85, 42256), (86, 42259), (97, 42301),

Gene: Kostya_77 Start: 48633, Stop: 48950, Start Num: 48
Candidate Starts for Kostya_77:
(17, 48450), (Start: 48 @48633 has 157 MA's), (70, 48774),

Gene: Kozie_51 Start: 36191, Stop: 36532, Start Num: 42
Candidate Starts for Kozie_51:
(16, 35999), (19, 36059), (32, 36149), (Start: 42 @36191 has 1 MA's), (77, 36437), (81, 36470), (87, 36497),

Gene: Krakatau_62 Start: 41145, Stop: 41507, Start Num: 41
Candidate Starts for Krakatau_62:
(Start: 41 @41145 has 31 MA's), (85, 41445), (86, 41448), (97, 41490),

Gene: Krypton555_67 Start: 46693, Stop: 47025, Start Num: 46
Candidate Starts for Krypton555_67:
(12, 46417), (13, 46429), (14, 46438), (15, 46462), (18, 46540), (25, 46588), (Start: 46 @46693 has 16 MA's), (69, 46837), (77, 46921), (81, 46954),

Gene: Kuwabara_72 Start: 44078, Stop: 44407, Start Num: 48
Candidate Starts for Kuwabara_72:
(Start: 48 @44078 has 157 MA's), (66, 44192), (69, 44213), (77, 44297), (79, 44321), (89, 44360), (95, 44387), (98, 44399),

Gene: Leperchaun_58 Start: 40727, Stop: 41083, Start Num: 41
Candidate Starts for Leperchaun_58:
(21, 40622), (23, 40628), (30, 40682), (Start: 41 @40727 has 31 MA's), (Start: 51 @40760 has 1 MA's), (73, 40931), (85, 41027), (86, 41030),

Gene: Lilac_79 Start: 48387, Stop: 48704, Start Num: 48
Candidate Starts for Lilac_79:
(17, 48204), (Start: 48 @48387 has 157 MA's), (70, 48528),

Gene: Lilizi_78 Start: 48100, Stop: 48417, Start Num: 48
Candidate Starts for Lilizi_78:
(17, 47917), (Start: 48 @48100 has 157 MA's), (70, 48241),

Gene: Lilpickle_76 Start: 47985, Stop: 48302, Start Num: 48
Candidate Starts for Lilpickle_76:
(17, 47802), (Start: 48 @47985 has 157 MA's), (70, 48126),

Gene: LitninMcQueen_71 Start: 42944, Stop: 43273, Start Num: 48
Candidate Starts for LitninMcQueen_71:
(Start: 48 @42944 has 157 MA's), (77, 43163), (95, 43253), (98, 43265),

Gene: LittleShirley_65 Start: 42793, Stop: 43149, Start Num: 41
Candidate Starts for LittleShirley_65:
(Start: 41 @42793 has 31 MA's), (73, 42997), (85, 43093), (86, 43096),

Gene: Llama_70 Start: 45173, Stop: 45535, Start Num: 41
Candidate Starts for Llama_70:
(Start: 41 @45173 has 31 MA's), (73, 45377), (85, 45473), (97, 45518),

Gene: Lolly9_65 Start: 46290, Stop: 46622, Start Num: 46
Candidate Starts for Lolly9_65:
(Start: 46 @46290 has 16 MA's), (Start: 53 @46320 has 1 MA's), (66, 46413), (71, 46440), (77, 46518),
(81, 46551), (93, 46599),

Gene: Lucky2013_115 Start: 64045, Stop: 64419, Start Num: 33
Candidate Starts for Lucky2013_115:
(Start: 33 @64045 has 1 MA's), (Start: 36 @64054 has 1 MA's), (57, 64162), (65, 64207), (77, 64327),

Gene: Lumos_67 Start: 46464, Stop: 46796, Start Num: 46
Candidate Starts for Lumos_67:
(12, 46188), (13, 46200), (14, 46209), (15, 46233), (18, 46311), (25, 46359), (Start: 46 @46464 has 16
MA's), (69, 46608), (77, 46692), (81, 46725),

Gene: MISSy_78 Start: 48491, Stop: 48808, Start Num: 48
Candidate Starts for MISSy_78:
(17, 48308), (Start: 48 @48491 has 157 MA's), (70, 48632),

Gene: MPhalcon_78 Start: 48484, Stop: 48801, Start Num: 48
Candidate Starts for MPhalcon_78:
(17, 48301), (Start: 48 @48484 has 157 MA's), (70, 48625),

Gene: MadamMonkfish_77 Start: 47709, Stop: 48026, Start Num: 48
Candidate Starts for MadamMonkfish_77:
(17, 47526), (Start: 48 @47709 has 157 MA's), (70, 47850),

Gene: Manda_78 Start: 49571, Stop: 49888, Start Num: 48
Candidate Starts for Manda_78:
(17, 49388), (Start: 48 @49571 has 157 MA's), (70, 49712),

Gene: Marker_67 Start: 42458, Stop: 42814, Start Num: 41
Candidate Starts for Marker_67:
(20, 42341), (Start: 41 @42458 has 31 MA's), (85, 42758), (86, 42761), (97, 42797),

Gene: Marshmallow_75 Start: 49264, Stop: 49581, Start Num: 48
Candidate Starts for Marshmallow_75:
(17, 49081), (Start: 48 @49264 has 157 MA's), (Start: 53 @49288 has 1 MA's), (70, 49405),

Gene: Matzah_54 Start: 37029, Stop: 37364, Start Num: 40
Candidate Starts for Matzah_54:
(37, 37017), (38, 37020), (Start: 40 @37029 has 5 MA's), (50, 37056), (59, 37113), (66, 37164), (75, 37239), (77, 37269), (78, 37290), (87, 37329),

Gene: Maxxinista_79 Start: 48360, Stop: 48677, Start Num: 48
Candidate Starts for Maxxinista_79:
(17, 48177), (Start: 48 @48360 has 157 MA's), (70, 48501),

Gene: MementoMori_53 Start: 36606, Stop: 36941, Start Num: 40
Candidate Starts for MementoMori_53:
(5, 36288), (6, 36291), (7, 36297), (9, 36327), (10, 36354), (11, 36357), (26, 36549), (37, 36594), (38, 36597), (Start: 40 @36606 has 5 MA's), (50, 36633), (66, 36741), (75, 36816), (77, 36846), (78, 36867), (87, 36906),

Gene: MiaZeal_118 Start: 64854, Stop: 65177, Start Num: 48
Candidate Starts for MiaZeal_118:
(Start: 48 @64854 has 157 MA's), (65, 64965), (77, 65085),

Gene: Mindy_76 Start: 47576, Stop: 47893, Start Num: 48
Candidate Starts for Mindy_76:
(17, 47393), (Start: 48 @47576 has 157 MA's), (70, 47717),

Gene: MiniLon_69 Start: 46291, Stop: 46623, Start Num: 46
Candidate Starts for MiniLon_69:
(Start: 46 @46291 has 16 MA's), (Start: 53 @46321 has 1 MA's), (66, 46414), (71, 46441), (77, 46519), (81, 46552), (93, 46600),

Gene: MiniMac_69 Start: 46319, Stop: 46621, Start Num: 53
Candidate Starts for MiniMac_69:
(Start: 46 @46289 has 16 MA's), (Start: 53 @46319 has 1 MA's), (66, 46412), (71, 46439), (77, 46517), (81, 46550), (93, 46598),

Gene: Miniwave_72 Start: 48029, Stop: 48346, Start Num: 48
Candidate Starts for Miniwave_72:
(17, 47846), (Start: 48 @48029 has 157 MA's), (70, 48170),

Gene: Misfit_78 Start: 49503, Stop: 49820, Start Num: 48
Candidate Starts for Misfit_78:
(17, 49320), (Start: 48 @49503 has 157 MA's), (70, 49644),

Gene: Modragons_69 Start: 45162, Stop: 45524, Start Num: 41
Candidate Starts for Modragons_69:
(Start: 41 @45162 has 31 MA's), (73, 45366), (85, 45462), (97, 45507),

Gene: Moldemort_80 Start: 48588, Stop: 48905, Start Num: 48
Candidate Starts for Moldemort_80:
(17, 48405), (Start: 48 @48588 has 157 MA's), (70, 48729),

Gene: MollyToe_72 Start: 47330, Stop: 47647, Start Num: 48
Candidate Starts for MollyToe_72:
(17, 47147), (Start: 48 @47330 has 157 MA's), (70, 47471),

Gene: Mosby_73 Start: 47786, Stop: 48103, Start Num: 48
Candidate Starts for Mosby_73:
(17, 47603), (Start: 48 @47786 has 157 MA's), (70, 47927),

Gene: MrMagoo_76 Start: 46031, Stop: 46429, Start Num: 48
Candidate Starts for MrMagoo_76:
(Start: 48 @46031 has 157 MA's), (61, 46115), (73, 46211),

Gene: MsGreen_66 Start: 46467, Stop: 46799, Start Num: 46
Candidate Starts for MsGreen_66:
(12, 46191), (13, 46203), (14, 46212), (15, 46236), (18, 46314), (25, 46362), (Start: 46 @46467 has 16 MA's), (69, 46611), (77, 46695), (81, 46728),

Gene: Murica_80 Start: 49435, Stop: 49752, Start Num: 48
Candidate Starts for Murica_80:
(17, 49252), (Start: 48 @49435 has 157 MA's), (70, 49576),

Gene: Murphy_77 Start: 48872, Stop: 49189, Start Num: 48
Candidate Starts for Murphy_77:
(17, 48689), (Start: 48 @48872 has 157 MA's), (70, 49013),

Gene: Myrale_77 Start: 49129, Stop: 49446, Start Num: 48
Candidate Starts for Myrale_77:
(17, 48946), (Start: 48 @49129 has 157 MA's), (70, 49270),

Gene: Nala_79 Start: 48993, Stop: 49310, Start Num: 48
Candidate Starts for Nala_79:
(17, 48810), (Start: 48 @48993 has 157 MA's), (70, 49134),

Gene: NelitzaMV_75 Start: 48075, Stop: 48392, Start Num: 48
Candidate Starts for NelitzaMV_75:
(17, 47892), (Start: 48 @48075 has 157 MA's), (70, 48216),

Gene: NihilNomen_125 Start: 68678, Stop: 69010, Start Num: 48
Candidate Starts for NihilNomen_125:
(Start: 48 @68678 has 157 MA's), (65, 68789), (67, 68813), (95, 68993),

Gene: Nimrod_78 Start: 49696, Stop: 50013, Start Num: 48
Candidate Starts for Nimrod_78:
(17, 49513), (Start: 48 @49696 has 157 MA's), (70, 49837),

Gene: NoSleep_78 Start: 48330, Stop: 48647, Start Num: 48
Candidate Starts for NoSleep_78:
(17, 48147), (Start: 48 @48330 has 157 MA's), (70, 48471),

Gene: NonchalantPear_75 Start: 48183, Stop: 48500, Start Num: 48
Candidate Starts for NonchalantPear_75:
(17, 48000), (Start: 48 @48183 has 157 MA's), (70, 48324),

Gene: ODay_78 Start: 45557, Stop: 45886, Start Num: 48
Candidate Starts for ODay_78:
(24, 45443), (39, 45533), (Start: 48 @45557 has 157 MA's), (54, 45584), (77, 45776), (95, 45866), (98, 45878),

Gene: Ochi17_69 Start: 44769, Stop: 45131, Start Num: 41
Candidate Starts for Ochi17_69:
(Start: 41 @44769 has 31 MA's), (73, 44973), (85, 45069), (97, 45114),

Gene: OfUltron_71 Start: 45318, Stop: 45680, Start Num: 41
Candidate Starts for OfUltron_71:
(Start: 41 @45318 has 31 MA's), (73, 45522), (85, 45618), (97, 45663),

Gene: OrionPax_76 Start: 48081, Stop: 48398, Start Num: 48
Candidate Starts for OrionPax_76:
(17, 47898), (Start: 48 @48081 has 157 MA's), (Start: 53 @48105 has 1 MA's), (70, 48222),

Gene: PHappiness_61 Start: 41273, Stop: 41629, Start Num: 41
Candidate Starts for PHappiness_61:
(21, 41168), (23, 41174), (30, 41228), (Start: 41 @41273 has 31 MA's), (Start: 51 @41306 has 1 MA's), (73, 41477), (85, 41573), (86, 41576),

Gene: PaddyBaddy_77 Start: 48084, Stop: 48401, Start Num: 48
Candidate Starts for PaddyBaddy_77:
(17, 47901), (Start: 48 @48084 has 157 MA's), (70, 48225),

Gene: Palpatine_79 Start: 49462, Stop: 49779, Start Num: 48
Candidate Starts for Palpatine_79:
(17, 49279), (Start: 48 @49462 has 157 MA's), (70, 49603),

Gene: Paperbeatsrock_76 Start: 48707, Stop: 49024, Start Num: 48
Candidate Starts for Paperbeatsrock_76:
(17, 48524), (Start: 48 @48707 has 157 MA's), (70, 48848),

Gene: Pat3_75 Start: 47239, Stop: 47556, Start Num: 48
Candidate Starts for Pat3_75:
(17, 47056), (Start: 48 @47239 has 157 MA's), (Start: 53 @47263 has 1 MA's), (70, 47380),

Gene: Petra64142_81 Start: 49926, Stop: 50243, Start Num: 48
Candidate Starts for Petra64142_81:
(17, 49743), (Start: 48 @49926 has 157 MA's), (70, 50067),

Gene: Phaja_75 Start: 48533, Stop: 48850, Start Num: 48
Candidate Starts for Phaja_75:
(17, 48350), (Start: 48 @48533 has 157 MA's), (70, 48674),

Gene: Pharsalus_74 Start: 48507, Stop: 48824, Start Num: 48
Candidate Starts for Pharsalus_74:
(17, 48324), (Start: 48 @48507 has 157 MA's), (70, 48648),

Gene: PhatBacter_81 Start: 49479, Stop: 49796, Start Num: 48
Candidate Starts for PhatBacter_81:

(17, 49296), (Start: 48 @49479 has 157 MA's), (70, 49620),

Gene: Phaux_79 Start: 49474, Stop: 49791, Start Num: 48

Candidate Starts for Phaux_79:

(17, 49291), (Start: 48 @49474 has 157 MA's), (70, 49615),

Gene: Phoebus_124 Start: 70535, Stop: 70867, Start Num: 48

Candidate Starts for Phoebus_124:

(Start: 48 @70535 has 157 MA's), (65, 70646), (67, 70670), (95, 70850),

Gene: Phrux_74 Start: 48070, Stop: 48387, Start Num: 48

Candidate Starts for Phrux_74:

(17, 47887), (Start: 48 @48070 has 157 MA's), (70, 48211),

Gene: Policronamos_80 Start: 49474, Stop: 49791, Start Num: 48

Candidate Starts for Policronamos_80:

(17, 49291), (Start: 48 @49474 has 157 MA's), (70, 49615),

Gene: Polka14_64 Start: 42337, Stop: 42693, Start Num: 41

Candidate Starts for Polka14_64:

(21, 42232), (23, 42238), (30, 42292), (Start: 41 @42337 has 31 MA's), (Start: 51 @42370 has 1 MA's), (73, 42541), (85, 42637), (86, 42640),

Gene: Porky_76 Start: 47900, Stop: 48217, Start Num: 48

Candidate Starts for Porky_76:

(17, 47717), (Start: 48 @47900 has 157 MA's), (70, 48041),

Gene: Ptowny_74 Start: 47369, Stop: 47686, Start Num: 48

Candidate Starts for Ptowny_74:

(17, 47186), (Start: 48 @47369 has 157 MA's), (70, 47510),

Gene: Pumpkin_80 Start: 49128, Stop: 49445, Start Num: 48

Candidate Starts for Pumpkin_80:

(17, 48945), (Start: 48 @49128 has 157 MA's), (70, 49269),

Gene: Quallification_78 Start: 49115, Stop: 49432, Start Num: 48

Candidate Starts for Quallification_78:

(17, 48932), (Start: 48 @49115 has 157 MA's), (70, 49256),

Gene: Rabbitrun_72 Start: 44571, Stop: 44918, Start Num: 43

Candidate Starts for Rabbitrun_72:

(23, 44460), (Start: 27 @44490 has 2 MA's), (28, 44493), (29, 44496), (34, 44538), (39, 44562), (Start: 43 @44571 has 2 MA's), (58, 44652), (77, 44808), (80, 44835), (84, 44847), (85, 44862), (86, 44865),

Gene: Rakim_78 Start: 48584, Stop: 48901, Start Num: 48

Candidate Starts for Rakim_78:

(17, 48401), (Start: 48 @48584 has 157 MA's), (70, 48725),

Gene: Red305_66 Start: 46467, Stop: 46799, Start Num: 46

Candidate Starts for Red305_66:

(12, 46191), (13, 46203), (14, 46212), (15, 46236), (18, 46314), (25, 46362), (Start: 46 @46467 has 16 MA's), (69, 46611), (77, 46695), (81, 46728),

Gene: Rimmer_78 Start: 48820, Stop: 49137, Start Num: 48
Candidate Starts for Rimmer_78:
(17, 48637), (Start: 48 @48820 has 157 MA's), (70, 48961),

Gene: RitaG_61 Start: 41618, Stop: 41974, Start Num: 41
Candidate Starts for RitaG_61:
(21, 41513), (23, 41519), (30, 41573), (Start: 41 @41618 has 31 MA's), (Start: 51 @41651 has 1 MA's),
(73, 41822), (85, 41918), (86, 41921),

Gene: RiverMonster_77 Start: 48648, Stop: 48965, Start Num: 48
Candidate Starts for RiverMonster_77:
(17, 48465), (Start: 48 @48648 has 157 MA's), (70, 48789),

Gene: Ronaldo_98 Start: 49040, Stop: 49366, Start Num: 49
Candidate Starts for Ronaldo_98:
(Start: 49 @49040 has 4 MA's), (61, 49121), (73, 49205), (76, 49244), (82, 49283),

Gene: Rose5_66 Start: 45488, Stop: 45859, Start Num: 48
Candidate Starts for Rose5_66:
(Start: 48 @45488 has 157 MA's), (60, 45566), (77, 45713), (89, 45776), (102, 45851),

Gene: Saints25_76 Start: 48058, Stop: 48375, Start Num: 48
Candidate Starts for Saints25_76:
(17, 47875), (Start: 48 @48058 has 157 MA's), (70, 48199),

Gene: Samty_66 Start: 46475, Stop: 46807, Start Num: 46
Candidate Starts for Samty_66:
(13, 46211), (14, 46220), (15, 46244), (18, 46322), (25, 46370), (Start: 46 @46475 has 16 MA's), (69,
46619), (77, 46703), (81, 46736),

Gene: Sarma624_64 Start: 39148, Stop: 39510, Start Num: 41
Candidate Starts for Sarma624_64:
(Start: 41 @39148 has 31 MA's), (69, 39307), (73, 39352), (85, 39448), (86, 39451), (97, 39493),

Gene: Sassay_72 Start: 46748, Stop: 47065, Start Num: 48
Candidate Starts for Sassay_72:
(17, 46565), (Start: 48 @46748 has 157 MA's), (70, 46889),

Gene: Seabastian_71 Start: 45319, Stop: 45681, Start Num: 41
Candidate Starts for Seabastian_71:
(Start: 41 @45319 has 31 MA's), (73, 45523), (85, 45619), (97, 45664),

Gene: Sephiroth_73 Start: 45931, Stop: 46353, Start Num: 27
Candidate Starts for Sephiroth_73:
(Start: 27 @45931 has 2 MA's), (77, 46252),

Gene: ShamWow_77 Start: 48970, Stop: 49287, Start Num: 48
Candidate Starts for ShamWow_77:
(17, 48787), (Start: 48 @48970 has 157 MA's), (70, 49111),

Gene: Simpliphy_76 Start: 48048, Stop: 48365, Start Num: 48
Candidate Starts for Simpliphy_76:
(17, 47865), (Start: 48 @48048 has 157 MA's), (70, 48189),

Gene: SirDuracell_76 Start: 47334, Stop: 47651, Start Num: 48

Candidate Starts for SirDuracell_76:

(17, 47151), (Start: 48 @47334 has 157 MA's), (Start: 53 @47358 has 1 MA's), (70, 47475),

Gene: Snenia_65 Start: 46468, Stop: 46800, Start Num: 46

Candidate Starts for Snenia_65:

(12, 46192), (13, 46204), (14, 46213), (15, 46237), (18, 46315), (25, 46363), (Start: 46 @46468 has 16 MA's), (69, 46612), (77, 46696), (81, 46729),

Gene: SophKB_74 Start: 47726, Stop: 48043, Start Num: 48

Candidate Starts for SophKB_74:

(17, 47543), (Start: 48 @47726 has 157 MA's), (70, 47867),

Gene: Sotrice96_78 Start: 48729, Stop: 49046, Start Num: 48

Candidate Starts for Sotrice96_78:

(17, 48546), (Start: 48 @48729 has 157 MA's), (70, 48870),

Gene: Spooky_68 Start: 42098, Stop: 42427, Start Num: 48

Candidate Starts for Spooky_68:

(Start: 48 @42098 has 157 MA's), (88, 42377), (95, 42407), (98, 42419),

Gene: Spoonbill_63 Start: 41578, Stop: 41934, Start Num: 41

Candidate Starts for Spoonbill_63:

(21, 41473), (23, 41479), (30, 41533), (Start: 41 @41578 has 31 MA's), (Start: 51 @41611 has 1 MA's), (73, 41782), (85, 41878), (86, 41881),

Gene: Squiddly_73 Start: 46416, Stop: 46745, Start Num: 48

Candidate Starts for Squiddly_73:

(Start: 48 @46416 has 157 MA's), (88, 46695), (95, 46725), (98, 46737),

Gene: Stank_80 Start: 48987, Stop: 49304, Start Num: 48

Candidate Starts for Stank_80:

(17, 48804), (Start: 48 @48987 has 157 MA's), (70, 49128),

Gene: Stark_78 Start: 48531, Stop: 48848, Start Num: 48

Candidate Starts for Stark_78:

(17, 48348), (Start: 48 @48531 has 157 MA's), (70, 48672),

Gene: StellaBean_75 Start: 48294, Stop: 48611, Start Num: 48

Candidate Starts for StellaBean_75:

(17, 48111), (Start: 48 @48294 has 157 MA's), (70, 48435),

Gene: StolenFromERC_80 Start: 48769, Stop: 49086, Start Num: 48

Candidate Starts for StolenFromERC_80:

(17, 48586), (Start: 48 @48769 has 157 MA's), (70, 48910),

Gene: StormChicken_79 Start: 49427, Stop: 49744, Start Num: 48

Candidate Starts for StormChicken_79:

(17, 49244), (Start: 48 @49427 has 157 MA's), (70, 49568),

Gene: Syleon_75 Start: 45869, Stop: 46291, Start Num: 27

Candidate Starts for Syleon_75:

(Start: 27 @45869 has 2 MA's), (29, 45875), (77, 46190),

Gene: TBrady12_80 Start: 48468, Stop: 48785, Start Num: 48

Candidate Starts for TBrady12_80:

(17, 48285), (Start: 48 @48468 has 157 MA's), (70, 48609),

Gene: Tarkin_76 Start: 48716, Stop: 49033, Start Num: 48

Candidate Starts for Tarkin_76:

(17, 48533), (Start: 48 @48716 has 157 MA's), (70, 48857),

Gene: TeamEdward_79 Start: 49421, Stop: 49738, Start Num: 48

Candidate Starts for TeamEdward_79:

(17, 49238), (Start: 48 @49421 has 157 MA's), (Start: 53 @49445 has 1 MA's), (70, 49562),

Gene: TeardropMSU_73 Start: 47716, Stop: 48033, Start Num: 48

Candidate Starts for TeardropMSU_73:

(17, 47533), (Start: 48 @47716 has 157 MA's), (70, 47857),

Gene: Teaspoon_78 Start: 48610, Stop: 48927, Start Num: 48

Candidate Starts for Teaspoon_78:

(17, 48427), (Start: 48 @48610 has 157 MA's), (70, 48751),

Gene: Terij_52 Start: 35668, Stop: 36003, Start Num: 40

Candidate Starts for Terij_52:

(4, 35263), (5, 35347), (6, 35350), (7, 35356), (10, 35413), (11, 35416), (26, 35608), (37, 35656), (38, 35659), (Start: 40 @35668 has 5 MA's), (63, 35785), (66, 35803), (80, 35935), (87, 35968),

Gene: Terminus_80 Start: 49503, Stop: 49820, Start Num: 48

Candidate Starts for Terminus_80:

(17, 49320), (Start: 48 @49503 has 157 MA's), (70, 49644),

Gene: Thibault_106 Start: 63336, Stop: 63668, Start Num: 48

Candidate Starts for Thibault_106:

(Start: 48 @63336 has 157 MA's), (65, 63447), (67, 63471), (95, 63651),

Gene: Thimble_78 Start: 47951, Stop: 48268, Start Num: 48

Candidate Starts for Thimble_78:

(17, 47768), (Start: 48 @47951 has 157 MA's), (70, 48092),

Gene: Thresher_79 Start: 49590, Stop: 49907, Start Num: 48

Candidate Starts for Thresher_79:

(17, 49407), (Start: 48 @49590 has 157 MA's), (70, 49731),

Gene: Tomaszewski_72 Start: 47879, Stop: 48196, Start Num: 48

Candidate Starts for Tomaszewski_72:

(17, 47696), (Start: 48 @47879 has 157 MA's), (Start: 53 @47903 has 1 MA's), (70, 48020),

Gene: Toto_75 Start: 48970, Stop: 49287, Start Num: 48

Candidate Starts for Toto_75:

(17, 48787), (Start: 48 @48970 has 157 MA's), (70, 49111),

Gene: Traaww1_73 Start: 48154, Stop: 48471, Start Num: 48

Candidate Starts for Traaww1_73:

(17, 47971), (Start: 48 @48154 has 157 MA's), (70, 48295),

Gene: Trax_71 Start: 44944, Stop: 45291, Start Num: 43

Candidate Starts for Trax_71:

(Start: 43 @44944 has 2 MA's), (58, 45025), (77, 45181), (80, 45208), (85, 45235), (86, 45238),

Gene: TriFive_67 Start: 46467, Stop: 46799, Start Num: 46

Candidate Starts for TriFive_67:

(12, 46191), (13, 46203), (14, 46212), (15, 46236), (18, 46314), (25, 46362), (Start: 46 @46467 has 16 MA's), (69, 46611), (77, 46695), (81, 46728),

Gene: Tuco_78 Start: 49478, Stop: 49795, Start Num: 48

Candidate Starts for Tuco_78:

(17, 49295), (Start: 48 @49478 has 157 MA's), (70, 49619),

Gene: Tyson_67 Start: 45417, Stop: 45785, Start Num: 48

Candidate Starts for Tyson_67:

(Start: 48 @45417 has 157 MA's), (54, 45444), (62, 45513), (66, 45534), (70, 45558), (77, 45639), (89, 45702), (102, 45777),

Gene: Ukulele_72 Start: 47861, Stop: 48178, Start Num: 48

Candidate Starts for Ukulele_72:

(17, 47678), (Start: 48 @47861 has 157 MA's), (70, 48002),

Gene: VanLee_116 Start: 60612, Stop: 60974, Start Num: 47

Candidate Starts for VanLee_116:

(Start: 47 @60612 has 1 MA's), (81, 60858), (92, 60903), (96, 60918), (98, 60927), (100, 60942),

Gene: Velveteen_61 Start: 39148, Stop: 39510, Start Num: 41

Candidate Starts for Velveteen_61:

(Start: 41 @39148 has 31 MA's), (69, 39307), (73, 39352), (85, 39448), (86, 39451), (97, 39493),

Gene: Veteran_62 Start: 40798, Stop: 41154, Start Num: 41

Candidate Starts for Veteran_62:

(Start: 41 @40798 has 31 MA's), (73, 41002), (85, 41098), (86, 41101), (97, 41137),

Gene: Volt_99 Start: 49204, Stop: 49530, Start Num: 49

Candidate Starts for Volt_99:

(Start: 49 @49204 has 4 MA's), (61, 49285), (73, 49369), (76, 49408), (82, 49447),

Gene: Wachhund_66 Start: 42028, Stop: 42390, Start Num: 41

Candidate Starts for Wachhund_66:

(Start: 41 @42028 has 31 MA's), (85, 42328), (97, 42373),

Gene: Wamburgexpress_66 Start: 45044, Stop: 45415, Start Num: 48

Candidate Starts for Wamburgexpress_66:

(Start: 48 @45044 has 157 MA's), (60, 45122), (77, 45269), (89, 45332), (102, 45407),

Gene: Weirido19_91 Start: 53190, Stop: 53612, Start Num: 31

Candidate Starts for Weirido19_91:

(31, 53190), (56, 53316), (74, 53445), (80, 53508), (91, 53550), (101, 53604),

Gene: Whirlwind_66 Start: 46283, Stop: 46615, Start Num: 46

Candidate Starts for Whirlwind_66:

(12, 46007), (13, 46019), (14, 46028), (15, 46052), (18, 46130), (25, 46178), (Start: 46 @46283 has 16 MA's), (69, 46427), (77, 46511), (81, 46544),

Gene: Wiggin_79 Start: 48555, Stop: 48872, Start Num: 48

Candidate Starts for Wiggin_79:

(17, 48372), (Start: 48 @48555 has 157 MA's), (70, 48696),

Gene: Willez_72 Start: 46748, Stop: 47065, Start Num: 48

Candidate Starts for Willez_72:

(17, 46565), (Start: 48 @46748 has 157 MA's), (70, 46889),

Gene: Wyatt2_67 Start: 45415, Stop: 45783, Start Num: 48

Candidate Starts for Wyatt2_67:

(Start: 48 @45415 has 157 MA's), (54, 45442), (62, 45511), (66, 45532), (70, 45556), (77, 45637), (89, 45700), (102, 45775),

Gene: Xandras_76 Start: 47963, Stop: 48280, Start Num: 48

Candidate Starts for Xandras_76:

(17, 47780), (Start: 48 @47963 has 157 MA's), (70, 48104),

Gene: YassJohnny_74 Start: 47918, Stop: 48235, Start Num: 48

Candidate Starts for YassJohnny_74:

(17, 47735), (Start: 48 @47918 has 157 MA's), (Start: 53 @47942 has 1 MA's), (70, 48059),

Gene: Yoshi_81 Start: 44512, Stop: 44874, Start Num: 41

Candidate Starts for Yoshi_81:

(22, 44401), (Start: 41 @44512 has 31 MA's), (85, 44812), (86, 44815), (97, 44857),

Gene: Youngblood_80 Start: 49430, Stop: 49747, Start Num: 48

Candidate Starts for Youngblood_80:

(17, 49247), (Start: 48 @49430 has 157 MA's), (70, 49571),

Gene: xkcd_80 Start: 49620, Stop: 49937, Start Num: 48

Candidate Starts for xkcd_80:

(17, 49437), (Start: 48 @49620 has 157 MA's), (70, 49761),