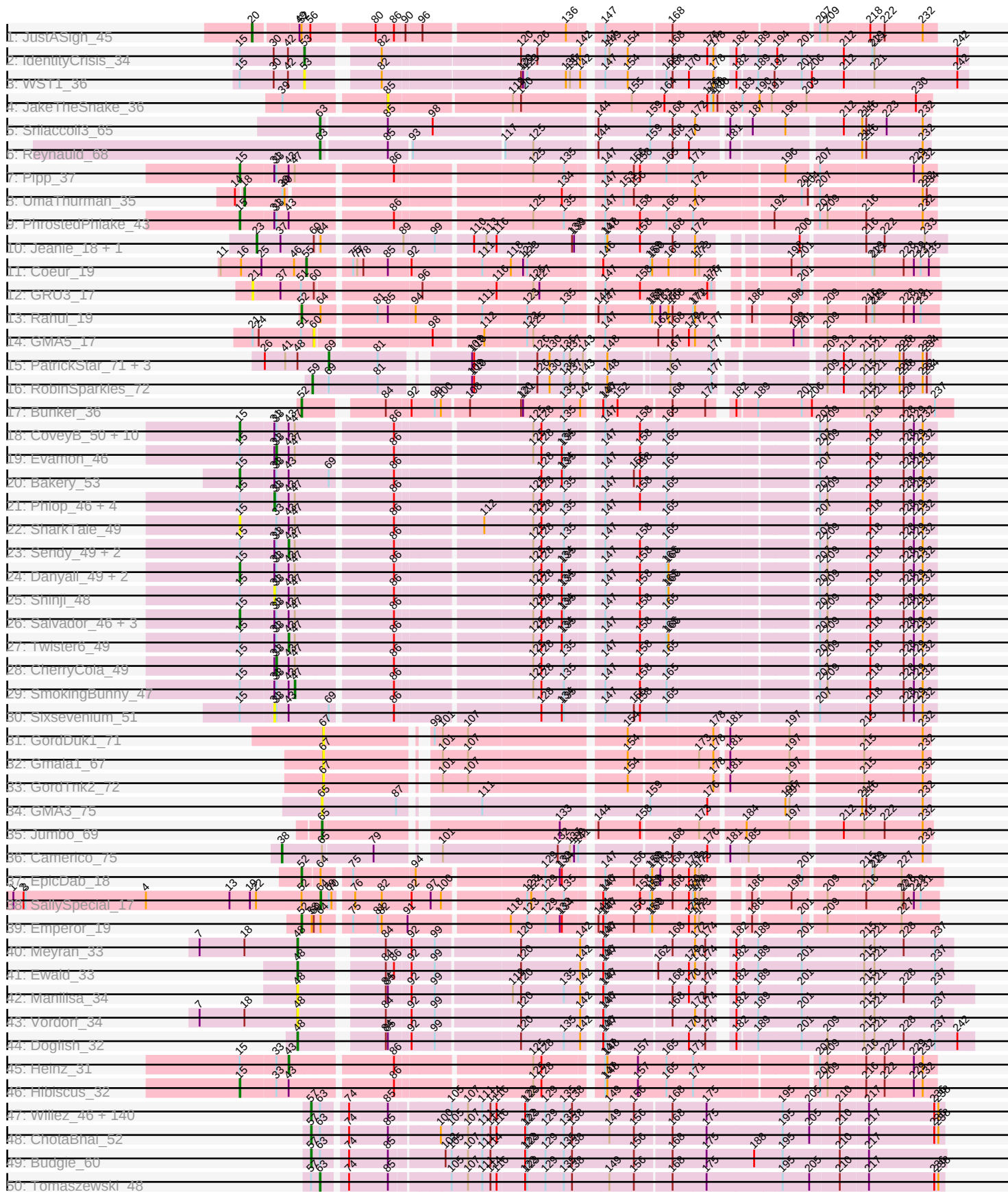
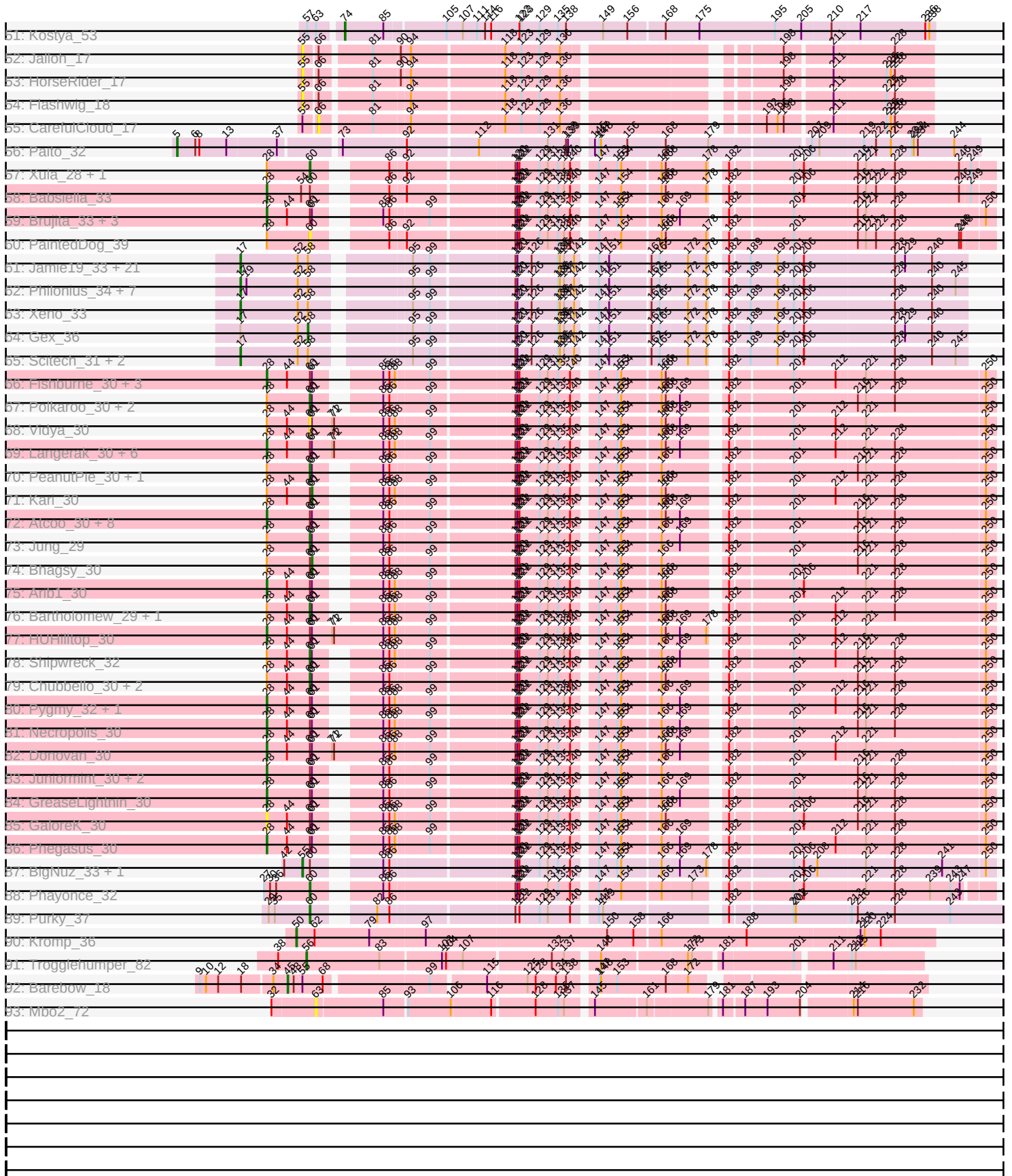


Pham 330389



Pham 330389



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 330389 Report

This analysis was run 09/05/26 on database version 662.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 330389 has 319 members, 41 are drafts.

Phages represented in each track:

- Track 1 : JustASigh_45
- Track 2 : IdentityCrisis_34
- Track 3 : WST1_36
- Track 4 : JakeTheSnake_36
- Track 5 : Srilaccoli3_65
- Track 6 : Reynauld_68
- Track 7 : Pipp_37
- Track 8 : UmaThurman_35
- Track 9 : PhrostedPhlake_43
- Track 10 : Jeanie_18, McGonagall_18
- Track 11 : Coeur_19
- Track 12 : GRU3_17
- Track 13 : Rahul_19
- Track 14 : GMA5_17
- Track 15 : PatrickStar_71, Orchid_70, Gibbles_68, Kampe_71
- Track 16 : RobinSparkles_72
- Track 17 : Bunker_36
- Track 18 : CoveyB_50, Egi03_47, Valary_49, ClamChowder_49, Mutzi_47, Jambalaya_47, PullumCavea_46, VanDeWege_50, Savbucketdawg_47, Nubi_47, Gezellig_46
- Track 19 : Evamon_46
- Track 20 : Bakery_53
- Track 21 : Phlop_46, Wizard_46, Barb_49, PinkCoffee_49, Fugax_50
- Track 22 : SharkTale_49
- Track 23 : Sendy_49, KimmyK_48, Togo_46
- Track 24 : Danyall_49, Arri_50, RogerDodger_50
- Track 25 : Shinji_48
- Track 26 : Salvador_46, Portcullis_49, Halo3_48, JohnPork_50
- Track 27 : Twister6_49
- Track 28 : CherryCola_49
- Track 29 : SmokingBunny_47
- Track 30 : Sixsevenium_51
- Track 31 : GordDuk1_71

- Track 32 : Gmala1_67
- Track 33 : GordTnk2_72
- Track 34 : GMA3_75
- Track 35 : Jumbo_69
- Track 36 : Camerico_75
- Track 37 : EpicDab_18
- Track 38 : SallySpecial_17
- Track 39 : Emperor_19
- Track 40 : Meyran_33
- Track 41 : Ewald_33
- Track 42 : Manilisa_34
- Track 43 : Vordorf_34
- Track 44 : Dogfish_32
- Track 45 : Heinz_31
- Track 46 : Hibiscus_32
- Track 47 : Willez_46, SirDuracell_51, Myrale_52, Misfit_54, Henry_51, Phaja_50, ABCat_50, Argent26_55, Simpliphy_51, Adnama_56, GooberAzure_55, Murica_54, Xandras_52, Youngblood_54, Wiggin_54, Goldilocks_54, Holt_57, StolenFromERC_55, Elph10_52, BugsBunny_53, Murphy_54, Lilpickle_52, Filch_53, Policronamos_55, Nimrod_55, Contagion_49, Cookies_49, BilboSwaggins_51, MadamMonkfish_52, StellaBean_50, Cactus_54, MollyToe_47, Hopey_52, Pat3_50, Bask21_53, Barbarian_52, Gator_50, Phrux_50, Stank_56, NonchalantPear_53, Elite2014_52, Daikon_53, Gemini_56, Lilac_55, Saints25_53, FoghornLeghorn_47, DrDrey_52, JeTaime_53, Bogg_52, Greep_56, MISSy_52, Miniwave_49, Phaux_54, MPhalcon_52, Tarkin_51, ChosenOne_53, Brewer_47, Buck_53, Bruin_48, NoSleep_54, Goku_50, Porky_51, BadStone_50, Nala_53, Asriel_52, HuffyPuff_54, TeamEdward_55, DoctorDiddles_52, Petra64142_57, Moldemort_55, Palpatine_55, Gage_55, Rimmer_53, BigBubba_53, FireRed_55, Lilizi_52, Tucco_53, Amao_52, IHOP_50, GoldenSpark_55, ShereKhan_50, HanKaySha_51, Thresher_55, Ptowny_51, OrionPax_51, Czyszczonek_53, Becksu_53, Command613_54, Qualification_53, Rakim_54, Balomoji_51, AmericanBeauty_56, Sassay_46, Bench_54, Pharsalus_50, Mosby_48, Dusk_50, Thimble_54, Pumpkin_54, Dumbo_52, Easy2Say_53, Maxxinista_55, YassJohnny_48, 244_53, CrystalP_52, Harella_52, Stark_53, Paperbeatsrock_51, Hoonter_55, Kimchi_55, RiverMonster_53, Manda_52, Emmina_52, Traaww1_48, FairyPath_52, TBrady12_55, StormChicken_54, Glexan_50, PaddyBaddy_52, Cjw1_52, Icee_52, xkcd_56, Marshmallow_51, TeardropMSU_48, Toto_51, Kanye_48, SophKB_49, Teaspoon_53, ShamWow_52, Sotrice96_53, Inca_49, Ukulele_49, Highbury_53, Flypotenuse_47, Liveloughbron_56, BaboJay_48, NelitzaMV_49, Mindy_51, PhatBacter_55, Eureka_50, Terminus_54
- Track 48 : ChotaBhai_52
- Track 49 : Budgie_60
- Track 50 : Tomaszewski_48
- Track 51 : Kostya_53
- Track 52 : Jalloh_17
- Track 53 : HorseRider_17
- Track 54 : Flashwig_18
- Track 55 : CarefulCloud_17
- Track 56 : Paito_32
- Track 57 : Xula_28, QueenHazel_29
- Track 58 : Babsiella_33
- Track 59 : Brujita_33, Island3_33, Malithi_30, Sonah_30
- Track 60 : PaintedDog_39

- Track 61 : Jamie19_33, Phloss_34, Chewbacca_37, Silvafighter_37, Duplicity_36, Andies_33, Parmesanjohn_36, Tessdabest_35, Tapioca_37, Melville_38, Smurph_36, Magsby_36, Shweta_33, SpongeBob_33, MichelleMyBell_34, Panchino_32, Schnauzer_36, Pipsqueaks_36, Carcharodon_36, Fulbright_35, Xerxes_36, Snekmaggedon_33
- Track 62 : Philonius_34, Cubone_34, Silvy_34, Aggie_34, Journey_34, Tortoise12_34, Charlie_34, Bosection6_34
- Track 63 : Xeno_33
- Track 64 : Gex_36
- Track 65 : Scitech_31, SkinnyPete_31, EGUnicorn_34
- Track 66 : Fishburne_30, Venti_30, Dynamo_30, Phineas_30
- Track 67 : Polkaroo_30, Brusacoram_30, Thespis_30
- Track 68 : Vidya_30
- Track 69 : Langerak_30, Mangethe_30, BronnyJr_30, Majeke_30, FirstPlacePfu_30, Techage_30, Zilizebeth_30
- Track 70 : PeanutPie_30, StevieRay_30
- Track 71 : Kari_30
- Track 72 : Atcoo_30, Phalm_30, Gavriela_30, Willsammy_29, KilKor_30, CactusJack_30, StressBall_30, Glaske_30, Megiddo_30
- Track 73 : Jung_29
- Track 74 : Bhagsy_30
- Track 75 : Arib1_30
- Track 76 : Bartholomew_29, Etoile_30
- Track 77 : HUHilltop_30
- Track 78 : Shipwreck_32
- Track 79 : Chubbello_30, Camster_30, Jebeks_30
- Track 80 : Pygmy_32, Bogie_32
- Track 81 : Necropolis_30
- Track 82 : Donovan_30
- Track 83 : Juniormint_30, Ksquared_30, Bunnies_30
- Track 84 : GreaseLightnin_30
- Track 85 : GaloreK_30
- Track 86 : Phegasus_30
- Track 87 : BigNuz_33, Nazo_34
- Track 88 : Phayonce_32
- Track 89 : Purky_37
- Track 90 : Kromp_36
- Track 91 : Trogglehumper_82
- Track 92 : Barebow_18
- Track 93 : Mbo2_72

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

The start number called the most often in the published annotations is 57, it was called in 132 of the 278 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_53, ABCat_50, Adnama_56, Amao_52, AmericanBeauty_56, Argent26_55, Asriel_52, BaboJay_48, BadStone_50, Balomoji_51, Barbarian_52, Bask21_53, Becksu_53, Bench_54, BigBubba_53, BilboSwaggins_51, Bogg_52, Brewer_47,

Bruin_48, Buck_53, Budgie_60, BugsBunny_53, Cactus_54, ChosenOne_53, ChotaBhai_52, Cjw1_52, Command613_54, Contagion_49, Cookies_49, CrystalP_52, Czyszczonek_53, Daikon_53, DoctorDiddles_52, DrDrey_52, Dumbo_52, Dusk_50, Easy2Say_53, Elite2014_52, Elph10_52, Emmina_52, Eureka_50, FairyPath_52, Filch_53, FireRed_55, Flypotenuse_47, FoghornLeghorn_47, Gage_55, Gator_50, Gemini_56, Glexan_50, Goku_50, GoldenSpark_55, Goldilocks_54, GooberAzure_55, Greep_56, HanKaySha_51, Harella_52, Henry_51, Highbury_53, Holt_57, Hoonter_55, Hopey_52, HuffyPuff_54, IHOP_50, Icee_52, Inca_49, JeTaime_53, Kanye_48, Kimchi_55, Lilac_55, Lilizi_52, Lilpickle_52, LiveLaughBron_56, MISSy_52, MPhalcon_52, MadamMonkfish_52, Manda_52, Marshmallow_51, Maxxinista_55, Mindy_51, Miniwave_49, Misfit_54, Moldemort_55, MollyToe_47, Mosby_48, Murica_54, Murphy_54, Myrale_52, Nala_53, NelitzaMV_49, Nimrod_55, NoSleep_54, NonchalantPear_53, OrionPax_51, PaddyBaddy_52, Palpatine_55, Paperbeatsrock_51, Pat3_50, Petra64142_57, Phaja_50, Pharsalus_50, PhatBacter_55, Phaux_54, Phrux_50, Policronamos_55, Porky_51, Ptowny_51, Pumpkin_54, Qualification_53, Rakim_54, Rimmer_53, RiverMonster_53, Saints25_53, Sassay_46, ShamWow_52, ShereKhan_50, Simpliphy_51, SirDuracell_51, SophKB_49, Sotrice96_53, Stank_56, Stark_53, StellaBean_50, StolenFromERC_55, StormChicken_54, TBrady12_55, Tarkin_51, TeamEdward_55, TeardropMSU_48, Teaspoon_53, Terminus_54, Thimble_54, Thresher_55, Toto_51, Traaww1_48, Tuco_53, Ukulele_49, Wiggin_54, Willez_46, Xandras_52, YassJohnny_48, Youngblood_54, xkcd_56,

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

- Kostya_53, Tomaszewski_48,

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

- Aggie_34, Andies_33, Arib1_30, Arri_50, Atcoo_30, Babsiella_33, Bakery_53, Barb_49, Barebow_18, Bartholomew_29, Bhagsy_30, BigNuz_33, Bogie_32, Bosection6_34, BronnyJr_30, Brujita_33, Brusacoram_30, Bunker_36, Bunnies_30, CactusJack_30, Camerico_75, Camster_30, Carcharodon_36, CarefulCloud_17, Charlie_34, CherryCola_49, Chewbacca_37, Chubbello_30, ClamChowder_49, Coeur_19, CoveyB_50, Cubone_34, Danyall_49, Dogfish_32, Donovan_30, Duplicity_36, Dynamo_30, EGUunicorn_34, Egi03_47, Emperor_19, EpicDab_18, Etoile_30, Evamon_46, Ewald_33, FirstPlacePfu_30, Fishburne_30, Flashwig_18, Fugax_50, Fulbright_35, GMA3_75, GMA5_17, GRU3_17, GaloreK_30, Gavriela_30, Gex_36, Gezellig_46, Giggles_68, Glaske_30, Gmala1_67, GordDuk1_71, GordTnk2_72, GreaseLightnin_30, HUHilltop_30, Halo3_48, Heinz_31, Hibiscus_32, HorseRider_17, IdentityCrisis_34, Island3_33, JakeTheSnake_36, Jalloh_17, Jambalaya_47, Jamie19_33, Jeanie_18, Jebeks_30, JohnPork_50, Journey_34, Jumbo_69, Jung_29, Juniormint_30, JustASigh_45, Kampe_71, Kari_30, KilKor_30, KimmyK_48, Kromp_36, Ksquared_30, Langerak_30, Magsby_36, Majeke_30, Malithi_30, Mangethe_30, Manilisa_34, Mbo2_72, McGonagall_18, Megiddo_30, Melville_38, Meyran_33, MichelleMyBell_34, Mutzi_47, Nazo_34, Necropolis_30, Nubi_47, Orchid_70, PaintedDog_39, Paito_32, Panchino_32, ParmesanJohn_36, PatrickStar_71, PeanutPie_30, Phalm_30, Phayonce_32, Phegasus_30, Philonius_34, Phineas_30, Phlop_46, Phloss_34, PhrostedPhlake_43, PinkCoffee_49, Pipp_37, Pipsqueaks_36, Polkaroo_30, Portcullis_49, PullumCavea_46, Purky_37, Pygmy_32, QueenHazel_29, Rahul_19, Reynauld_68, RobinSparkles_72, RogerDodger_50, SallySpecial_17, Salvador_46, Savbucketdawg_47, Schnauzer_36, Scitech_31, Sendy_49, SharkTale_49, Shinji_48, Shipwreck_32, Shweta_33, Silvafighter_37, Silvy_34, Sixsevenium_51, SkinnyPete_31, SmokingBunny_47, Smurph_36, Snekmaggon_33, Sonah_30,

SpongeBob_33, Srilacoli3_65, StevieRay_30, StressBall_30, Tapioca_37, Techage_30, Tessdabest_35, Thespi3_30, Togo_46, Tortoise12_34, Trogglehumper_82, Twister6_49, UmaThurman_35, Valary_49, VanDeWege_50, Venti_30, Vidya_30, Vordorf_34, WST1_36, Willsammy_29, Wizard_46, Xeno_33, Xerxes_36, Xula_28, Zilizebeth_30,

Summary by start number:

Start 5:

- Found in 1 of 319 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 278
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Paito_32 (G1),

Start 15:

- Found in 40 of 319 (12.5%) of genes in pham
- Manual Annotations of this start: 21 of 278
- Called 57.5% of time when present
- Phage (with cluster) where this start called: Arri_50 (DC1), Bakery_53 (DC1), ClamChowder_49 (DC1), CoveyB_50 (DC1), Danyall_49 (DC1), Egi03_47 (DC1), Gezellig_46 (DC1), Halo3_48 (DC1), Hibiscus_32 (DY), Jambalaya_47 (DC1), JohnPork_50 (DC1), Mutzi_47 (DC1), Nubi_47 (DC1), PhrostedPhlake_43 (CV), Pipp_37 (CV), Portcullis_49 (DC1), PullumCavea_46 (DC1), RogerDodger_50 (DC1), Salvador_46 (DC1), Savbucketdawg_47 (DC1), SharkTale_49 (DC1), Valary_49 (DC1), VanDeWege_50 (DC1),

Start 17:

- Found in 35 of 319 (11.0%) of genes in pham
- Manual Annotations of this start: 31 of 278
- Called 97.1% of time when present
- Phage (with cluster) where this start called: Aggie_34 (N), Andies_33 (N), Bosection6_34 (N), Carcharodon_36 (N), Charlie_34 (N), Chewbacca_37 (N), Cubone_34 (N), Duplicity_36 (N), EGUnicorn_34 (N), Fulbright_35 (N), Jamie19_33 (N), Journey_34 (N), Magsby_36 (N), Melville_38 (N), MichelleMyBell_34 (N), Panchino_32 (N), Parmesanjohn_36 (N), Philonius_34 (N), Phloss_34 (N), Pipsqueaks_36 (N), Schnauzer_36 (N), Scitech_31 (N), Shweta_33 (N), Silvafighter_37 (N), Silvy_34 (N), SkinnyPete_31 (N), Smurph_36 (N), Snekmaggon_33 (N), SpongeBob_33 (N), Tapioca_37 (N), Tessdabest_35 (N), Tortoise12_34 (N), Xeno_33 (N), Xerxes_36 (N),

Start 18:

- Found in 4 of 319 (1.3%) of genes in pham
- Manual Annotations of this start: 1 of 278
- Called 25.0% of time when present
- Phage (with cluster) where this start called: UmaThurman_35 (CV),

Start 20:

- Found in 1 of 319 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 278
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JustASigh_45 (AH),

Start 21:

- Found in 2 of 319 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: GRU3_17 (CW2),

Start 23:

- Found in 2 of 319 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 278
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jeanie_18 (CW1), McGonagall_18 (CW1),

Start 28:

- Found in 55 of 319 (17.2%) of genes in pham
- Manual Annotations of this start: 35 of 278
- Called 67.3% of time when present
- Phage (with cluster) where this start called: Arib1_30 (P1), Atcoo_30 (P1), Babsiella_33 (I1), Bogie_32 (P1), BronnyJr_30 (P1), Brujita_33 (I1), Bunnies_30 (P1), CactusJack_30 (P1), Donovan_30 (P1), Dynamo_30 (P1), FirstPlacePfu_30 (P1), Fishburne_30 (P1), GaloreK_30 (P1), Gavriela_30 (P1), Glaske_30 (P1), GreaseLightnin_30 (P1), HUHilltop_30 (P1), Island3_33 (I1), Juniormint_30 (P1), KilKor_30 (P1), Ksquared_30 (P1), Langerak_30 (P1), Majeke_30 (P1), Malithi_30 (P1), Mangethe_30 (P1), Megiddo_30 (P1), Necropolis_30 (P1), Phalm_30 (P1), Phegasus_30 (P1), Phineas_30 (P1), Pygmy_32 (P1), Sonah_30 (P1), StressBall_30 (P1), Techage_30 (P1), Venti_30 (P1), Willsammy_29 (P1), Zilizebeth_30 (P1),

Start 31:

- Found in 35 of 319 (11.0%) of genes in pham
- Manual Annotations of this start: 5 of 278
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Barb_49 (DC1), Fugax_50 (DC1), Phlop_46 (DC1), PinkCoffee_49 (DC1), Shinji_48 (DC1), Sixsevenium_51 (DC1), Wizard_46 (DC1),

Start 33:

- Found in 38 of 319 (11.9%) of genes in pham
- Manual Annotations of this start: 2 of 278
- Called 5.3% of time when present
- Phage (with cluster) where this start called: CherryCola_49 (DC1), Evamon_46 (DC1),

Start 38:

- Found in 2 of 319 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 278
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Camerico_75 (DF4),

Start 43:

- Found in 38 of 319 (11.9%) of genes in pham
- Manual Annotations of this start: 4 of 278
- Called 13.2% of time when present
- Phage (with cluster) where this start called: Heinz_31 (DY), KimmyK_48 (DC1), Sendy_49 (DC1), Togo_46 (DC1), Twister6_49 (DC1),

Start 45:

- Found in 1 of 319 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 278
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barebow_18 (singleton),

Start 47:

- Found in 33 of 319 (10.3%) of genes in pham
- Manual Annotations of this start: 1 of 278
- Called 3.0% of time when present
- Phage (with cluster) where this start called: SmokingBunny_47 (DC1),

Start 48:

- Found in 10 of 319 (3.1%) of genes in pham
- Manual Annotations of this start: 3 of 278
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Dogfish_32 (DT), Ewald_33 (DT), Manilisa_34 (DT), Meyran_33 (DT), Vordorf_34 (DT),

Start 50:

- Found in 1 of 319 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 278
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kromp_36 (singleton),

Start 52:

- Found in 41 of 319 (12.9%) of genes in pham
- Manual Annotations of this start: 4 of 278
- Called 9.8% of time when present
- Phage (with cluster) where this start called: Bunker_36 (DB), Emperor_19 (DM), EpicDab_18 (DM), Rahul_19 (CW2),

Start 53:

- Found in 2 of 319 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 278
- Called 100.0% of time when present
- Phage (with cluster) where this start called: IdentityCrisis_34 (AJ), WST1_36 (AJ),

Start 55:

- Found in 8 of 319 (2.5%) of genes in pham
- Manual Annotations of this start: 3 of 278
- Called 75.0% of time when present
- Phage (with cluster) where this start called: BigNuz_33 (P4), Coeur_19 (CW2), Flashwig_18 (ER), HorseRider_17 (ER), Jalloh_17 (ER), Nazo_34 (P4),

Start 56:

- Found in 2 of 319 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 278
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Trogglehumper_82 (singleton),

Start 57:

- Found in 145 of 319 (45.5%) of genes in pham
- Manual Annotations of this start: 132 of 278
- Called 98.6% of time when present
- Phage (with cluster) where this start called: 244_53 (E), ABCat_50 (E), Adnama_56 (E), Amao_52 (E), AmericanBeauty_56 (E), Argent26_55 (E), Asriel_52 (E), BaboJay_48 (E), BadStone_50 (E), Balomoji_51 (E), Barbarian_52 (E), Bask21_53 (E), Becksu_53 (E), Bench_54 (E), BigBubba_53 (E), BilboSwaggins_51 (E), Bogg_52 (E), Brewer_47 (E), Bruin_48 (E), Buck_53 (E), Budgie_60 (E), BugsBunny_53 (E), Cactus_54 (E), ChosenOne_53 (E), ChotaBhai_52 (E), Cjw1_52 (E), Command613_54 (E), Contagion_49 (E), Cookies_49 (E), CrystalP_52 (E), Czystaczon1_53 (E), Daikon_53 (E), DoctorDiddles_52 (E), DrDrey_52 (E), Dumbo_52 (E), Dusk_50 (E), Easy2Say_53 (E), Elite2014_52 (E), Elph10_52 (E), Emmina_52 (E), Eureka_50 (E), FairyPath_52 (E), Filch_53 (E), FireRed_55 (E), Flypotenuse_47 (E), FoghornLeghorn_47 (E), Gage_55 (E), Gator_50 (E), Gemini_56 (E), Glexan_50 (E), Goku_50 (E), GoldenSpark_55 (E), Goldilocks_54 (E), GooberAzure_55 (E), Greep_56 (E), HanKaySha_51 (E), Harella_52 (E), Henry_51 (E), Highbury_53 (E), Holt_57 (E), Hoonter_55 (E), Hopey_52 (E), HufflyPuff_54 (E), IHOP_50 (E), Icee_52 (E), Inca_49 (E), JeTaime_53 (E), Kanye_48 (E), Kimchi_55 (E), Lilac_55 (E), Lilizi_52 (E), Lilpickle_52 (E), Liveloughbron_56 (E), MISSy_52 (E), MPhalcon_52 (E), MadamMonkfish_52 (E), Manda_52 (E), Marshmallow_51 (E), Maxxinista_55 (E), Mindy_51 (E), Miniwave_49 (E), Misfit_54 (E), Moldemort_55 (E), MollyToe_47 (E), Mosby_48 (E), Murica_54 (E), Murphy_54 (E), Myrale_52 (E), Nala_53 (E), NelitzaMV_49 (E), Nimrod_55 (E), NoSleep_54 (E), NonchalantPear_53 (E), OrionPax_51 (E), PaddyBaddy_52 (E), Palpatine_55 (E), Paperbeatsrock_51 (E), Pat3_50 (E), Petra64142_57 (E), Phaja_50 (E), Pharsalus_50 (E), PhatBacter_55 (E), Phaux_54 (E), Phrux_50 (E), Policronamos_55 (E), Porky_51 (E), Ptowny_51 (E), Pumpkin_54 (E), Quallification_53 (E), Rakim_54 (E), Rimmer_53 (E), RiverMonster_53 (E), Saints25_53 (E), Sassay_46 (E), ShamWow_52 (E), ShereKhan_50 (E), Simpliphy_51 (E), SirDuracell_51 (E), SophKB_49 (E), Sotrice96_53 (E), Stank_56 (E), Stark_53 (E), StellaBean_50 (E), StolenFromERC_55 (E), StormChicken_54 (E), TBrady12_55 (E), Tarkin_51 (E), TeamEdward_55 (E), TeardropMSU_48 (E), Teaspoon_53 (E), Terminus_54 (E), Thimble_54 (E), Thresher_55 (E), Toto_51 (E), Traaww1_48 (E), Tuco_53 (E), Ukulele_49 (E), Wiggin_54 (E), Willez_46 (E), Xandras_52 (E), YassJohnny_48 (E), Youngblood_54 (E), xkcd_56 (E),

Start 58:

- Found in 36 of 319 (11.3%) of genes in pham
- Manual Annotations of this start: 1 of 278
- Called 2.8% of time when present
- Phage (with cluster) where this start called: Gex_36 (N),

Start 59:

- Found in 1 of 319 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 278
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RobinSparkles_72 (CX),

Start 60:

- Found in 64 of 319 (20.1%) of genes in pham
- Manual Annotations of this start: 13 of 278
- Called 29.7% of time when present

- Phage (with cluster) where this start called: Bartholomew_29 (P1), Brusacoram_30 (P1), Camster_30 (P1), Chubbello_30 (P1), Etoile_30 (P1), GMA5_17 (CW2), Jebeks_30 (P1), Jung_29 (P1), PaintedDog_39 (I1), PeanutPie_30 (P1), Phayonce_32 (P5), Polkaro_30 (P1), Purky_37 (P6), QueenHazel_29 (I1), Shipwreck_32 (P1), StevieRay_30 (P1), Thespis_30 (P1), Vidya_30 (P1), Xula_28 (I1),

Start 61:

- Found in 51 of 319 (16.0%) of genes in pham
- Manual Annotations of this start: 2 of 278
- Called 3.9% of time when present
- Phage (with cluster) where this start called: Bhagsy_30 (P1), Kari_30 (P1),

Start 63:

- Found in 148 of 319 (46.4%) of genes in pham
- Manual Annotations of this start: 3 of 278
- Called 2.7% of time when present
- Phage (with cluster) where this start called: Mbo2_72 (singleton), Reynauld_68 (CH), Srilaccoli3_65 (CH), Tomaszewski_48 (E),

Start 64:

- Found in 6 of 319 (1.9%) of genes in pham
- Manual Annotations of this start: 1 of 278
- Called 16.7% of time when present
- Phage (with cluster) where this start called: SallySpecial_17 (DM),

Start 65:

- Found in 3 of 319 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 278
- Called 66.7% of time when present
- Phage (with cluster) where this start called: GMA3_75 (DF2), Jumbo_69 (DF3),

Start 66:

- Found in 4 of 319 (1.3%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: CarefulCloud_17 (ER),

Start 67:

- Found in 3 of 319 (0.9%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gmala1_67 (DF1), GordDuk1_71 (DF1), GordTnk2_72 (DF1),

Start 69:

- Found in 8 of 319 (2.5%) of genes in pham
- Manual Annotations of this start: 4 of 278
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Gibbles_68 (CX), Kampe_71 (CX), Orchid_70 (CX), PatrickStar_71 (CX),

Start 74:

- Found in 145 of 319 (45.5%) of genes in pham
- Manual Annotations of this start: 1 of 278
- Called 0.7% of time when present
- Phage (with cluster) where this start called: Kostya_53 (E),

Start 85:

- Found in 207 of 319 (64.9%) of genes in pham
- No Manual Annotations of this start.
- Called 0.5% of time when present
- Phage (with cluster) where this start called: JakeTheSnake_36 (AY),

Summary by clusters:

There are 27 clusters represented in this pham: singleton, DM, DB, CH, DY, P6, DT, G1, CW1, DF4, CW2, DF1, DF3, DF2, DC1, P1, E, P4, P5, AH, AJ, N, CX, AY, CV, ER, I1,

Info for manual annotations of cluster AH:

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

Info for manual annotations of cluster AJ:

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

Info for manual annotations of cluster CH:

- Start number 63 was manually annotated 2 times for cluster CH.

Info for manual annotations of cluster CV:

- Start number 15 was manually annotated 2 times for cluster CV.
- Start number 18 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CW1:

- Start number 23 was manually annotated 2 times for cluster CW1.

Info for manual annotations of cluster CW2:

- Start number 52 was manually annotated 1 time for cluster CW2.
- Start number 55 was manually annotated 1 time for cluster CW2.

Info for manual annotations of cluster CX:

- Start number 59 was manually annotated 1 time for cluster CX.
- Start number 69 was manually annotated 4 times for cluster CX.

Info for manual annotations of cluster DB:

- Start number 52 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DC1:

- Start number 15 was manually annotated 18 times for cluster DC1.
- Start number 31 was manually annotated 5 times for cluster DC1.
- Start number 33 was manually annotated 2 times for cluster DC1.
- Start number 43 was manually annotated 3 times for cluster DC1.
- Start number 47 was manually annotated 1 time for cluster DC1.

Info for manual annotations of cluster DF3:

- Start number 65 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster DF4:

- Start number 38 was manually annotated 1 time for cluster DF4.

Info for manual annotations of cluster DM:

- Start number 52 was manually annotated 2 times for cluster DM.
- Start number 64 was manually annotated 1 time for cluster DM.

Info for manual annotations of cluster DT:

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

Info for manual annotations of cluster DY:

- Start number 15 was manually annotated 1 time for cluster DY.
- Start number 43 was manually annotated 1 time for cluster DY.

Info for manual annotations of cluster E:

- Start number 57 was manually annotated 132 times for cluster E.
- Start number 63 was manually annotated 1 time for cluster E.
- Start number 74 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster G1:

- Start number 5 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster I1:

- Start number 28 was manually annotated 3 times for cluster I1.
- Start number 60 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster N:

- Start number 17 was manually annotated 31 times for cluster N.
- Start number 58 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster P1:

- Start number 28 was manually annotated 32 times for cluster P1.
- Start number 60 was manually annotated 9 times for cluster P1.
- Start number 61 was manually annotated 2 times for cluster P1.

Info for manual annotations of cluster P4:

- Start number 55 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 60 was manually annotated 1 time for cluster P5.

Info for manual annotations of cluster P6:

- Start number 60 was manually annotated 1 time for cluster P6.

Gene Information:

Gene: 244_53 Start: 37711, Stop: 38592, Start Num: 57

Candidate Starts for 244_53:

(Start: 57 @37711 has 132 MA's), (Start: 63 @37723 has 3 MA's), (Start: 74 @37753 has 1 MA's), (85, 37810), (105, 37891), (107, 37915), (111, 37936), (114, 37948), (116, 37957), (122, 37996), (123, 37999), (129, 38026), (135, 38053), (138, 38065), (149, 38119), (156, 38155), (168, 38206), (175, 38254), (195, 38362), (205, 38401), (210, 38443), (217, 38482), (236, 38578), (238, 38584),

Gene: ABCat_50 Start: 38357, Stop: 39238, Start Num: 57

Candidate Starts for ABCat_50:

(Start: 57 @38357 has 132 MA's), (Start: 63 @38369 has 3 MA's), (Start: 74 @38399 has 1 MA's), (85, 38456), (105, 38537), (107, 38561), (111, 38582), (114, 38594), (116, 38603), (122, 38642), (123, 38645), (129, 38672), (135, 38699), (138, 38711), (149, 38765), (156, 38801), (168, 38852), (175, 38900), (195, 39008), (205, 39047), (210, 39089), (217, 39128), (236, 39224), (238, 39230),

Gene: Adnama_56 Start: 38380, Stop: 39261, Start Num: 57

Candidate Starts for Adnama_56:

(Start: 57 @38380 has 132 MA's), (Start: 63 @38392 has 3 MA's), (Start: 74 @38422 has 1 MA's), (85, 38479), (105, 38560), (107, 38584), (111, 38605), (114, 38617), (116, 38626), (122, 38665), (123, 38668), (129, 38695), (135, 38722), (138, 38734), (149, 38788), (156, 38824), (168, 38875), (175, 38923), (195, 39031), (205, 39070), (210, 39112), (217, 39151), (236, 39247), (238, 39253),

Gene: Aggie_34 Start: 27389, Stop: 26418, Start Num: 17

Candidate Starts for Aggie_34:

(Start: 17 @27389 has 31 MA's), (19, 27380), (Start: 52 @27305 has 4 MA's), (Start: 58 @27290 has 1 MA's), (95, 27167), (99, 27143), (120, 27026), (121, 27023), (126, 27002), (135, 26963), (136, 26960), (137, 26954), (142, 26939), (147, 26918), (151, 26903), (162, 26846), (165, 26834), (172, 26795), (178, 26768), (182, 26756), (189, 26729), (196, 26690), (201, 26666), (206, 26651), (228, 26522), (240, 26468), (245, 26435),

Gene: Amao_52 Start: 37475, Stop: 38356, Start Num: 57

Candidate Starts for Amao_52:

(Start: 57 @37475 has 132 MA's), (Start: 63 @37487 has 3 MA's), (Start: 74 @37517 has 1 MA's), (85, 37574), (105, 37655), (107, 37679), (111, 37700), (114, 37712), (116, 37721), (122, 37760), (123, 37763), (129, 37790), (135, 37817), (138, 37829), (149, 37883), (156, 37919), (168, 37970), (175, 38018), (195, 38126), (205, 38165), (210, 38207), (217, 38246), (236, 38342), (238, 38348),

Gene: AmericanBeauty_56 Start: 38225, Stop: 39106, Start Num: 57

Candidate Starts for AmericanBeauty_56:

(Start: 57 @38225 has 132 MA's), (Start: 63 @38237 has 3 MA's), (Start: 74 @38267 has 1 MA's), (85, 38324), (105, 38405), (107, 38429), (111, 38450), (114, 38462), (116, 38471), (122, 38510), (123, 38513), (129, 38540), (135, 38567), (138, 38579), (149, 38633), (156, 38669), (168, 38720), (175, 38768), (195, 38876), (205, 38915), (210, 38957), (217, 38996), (236, 39092), (238, 39098),

Gene: Andies_33 Start: 27907, Stop: 26936, Start Num: 17

Candidate Starts for Andies_33:

(Start: 17 @27907 has 31 MA's), (Start: 52 @27823 has 4 MA's), (Start: 58 @27808 has 1 MA's), (95, 27685), (99, 27661), (120, 27544), (121, 27541), (126, 27520), (135, 27481), (136, 27478), (137, 27472), (142, 27457), (147, 27436), (151, 27421), (162, 27364), (165, 27352), (172, 27313), (178, 27286), (182, 27274), (189, 27247), (196, 27208), (201, 27184), (206, 27169), (228, 27040), (229, 27025), (240, 26986),

Gene: Argent26_55 Start: 37863, Stop: 38744, Start Num: 57

Candidate Starts for Argent26_55:

(Start: 57 @37863 has 132 MA's), (Start: 63 @37875 has 3 MA's), (Start: 74 @37905 has 1 MA's), (85, 37962), (105, 38043), (107, 38067), (111, 38088), (114, 38100), (116, 38109), (122, 38148), (123, 38151), (129, 38178), (135, 38205), (138, 38217), (149, 38271), (156, 38307), (168, 38358), (175, 38406), (195, 38514), (205, 38553), (210, 38595), (217, 38634), (236, 38730), (238, 38736),

Gene: Arib1_30 Start: 26880, Stop: 25924, Start Num: 28

Candidate Starts for Arib1_30:

(Start: 28 @26880 has 35 MA's), (44, 26850), (Start: 60 @26817 has 13 MA's), (Start: 61 @26814 has 2 MA's), (85, 26742), (86, 26733), (88, 26727), (99, 26682), (120, 26565), (121, 26562), (122, 26559), (129, 26529), (131, 26517), (135, 26502), (140, 26484), (147, 26457), (153, 26430), (154, 26424), (166, 26370), (168, 26364), (182, 26295), (201, 26211), (206, 26196), (221, 26109), (228, 26067), (250, 25938),

Gene: Arri_50 Start: 39538, Stop: 38603, Start Num: 15

Candidate Starts for Arri_50:

(Start: 15 @39538 has 21 MA's), (Start: 31 @39490 has 5 MA's), (Start: 33 @39487 has 2 MA's), (Start: 43 @39469 has 4 MA's), (Start: 47 @39460 has 1 MA's), (86, 39328), (125, 39145), (128, 39133), (134, 39103), (135, 39100), (147, 39058), (158, 39007), (165, 38968), (166, 38965), (207, 38764), (209, 38755), (218, 38695), (228, 38647), (229, 38632), (232, 38620),

Gene: Asriel_52 Start: 36717, Stop: 37598, Start Num: 57

Candidate Starts for Asriel_52:

(Start: 57 @36717 has 132 MA's), (Start: 63 @36729 has 3 MA's), (Start: 74 @36759 has 1 MA's), (85, 36816), (105, 36897), (107, 36921), (111, 36942), (114, 36954), (116, 36963), (122, 37002), (123, 37005), (129, 37032), (135, 37059), (138, 37071), (149, 37125), (156, 37161), (168, 37212), (175, 37260), (195, 37368), (205, 37407), (210, 37449), (217, 37488), (236, 37584), (238, 37590),

Gene: Atcoo_30 Start: 27362, Stop: 26406, Start Num: 28

Candidate Starts for Atcoo_30:

(Start: 28 @27362 has 35 MA's), (Start: 60 @27299 has 13 MA's), (Start: 61 @27296 has 2 MA's), (85, 27224), (86, 27215), (99, 27164), (120, 27047), (121, 27044), (122, 27041), (129, 27011), (131, 26999), (135, 26984), (140, 26966), (147, 26939), (153, 26912), (154, 26906), (166, 26852), (168, 26846), (169, 26828), (182, 26777), (201, 26693), (216, 26603), (221, 26591), (228, 26549), (250, 26420),

Gene: BaboJay_48 Start: 37263, Stop: 38144, Start Num: 57

Candidate Starts for BaboJay_48:

(Start: 57 @37263 has 132 MA's), (Start: 63 @37275 has 3 MA's), (Start: 74 @37305 has 1 MA's), (85, 37362), (105, 37443), (107, 37467), (111, 37488), (114, 37500), (116, 37509), (122, 37548), (123, 37551), (129, 37578), (135, 37605), (138, 37617), (149, 37671), (156, 37707), (168, 37758), (175, 37806), (195, 37914), (205, 37953), (210, 37995), (217, 38034), (236, 38130), (238, 38136),

Gene: Babsiella_33 Start: 28104, Stop: 27151, Start Num: 28

Candidate Starts for Babsiella_33:

(Start: 28 @28104 has 35 MA's), (54, 28053), (Start: 60 @28041 has 13 MA's), (86, 27957), (92, 27939), (120, 27789), (121, 27786), (122, 27783), (129, 27753), (131, 27741), (135, 27726), (137, 27717), (140, 27708), (147, 27681), (154, 27648), (166, 27594), (168, 27588), (178, 27531), (182, 27519), (201, 27435), (206, 27420), (216, 27345), (221, 27333), (222, 27318), (228, 27291), (246, 27198), (249, 27183),

Gene: BadStone_50 Start: 37926, Stop: 38807, Start Num: 57

Candidate Starts for BadStone_50:

(Start: 57 @37926 has 132 MA's), (Start: 63 @37938 has 3 MA's), (Start: 74 @37968 has 1 MA's), (85, 38025), (105, 38106), (107, 38130), (111, 38151), (114, 38163), (116, 38172), (122, 38211), (123, 38214), (129, 38241), (135, 38268), (138, 38280), (149, 38334), (156, 38370), (168, 38421), (175, 38469), (195, 38577), (205, 38616), (210, 38658), (217, 38697), (236, 38793), (238, 38799),

Gene: Bakery_53 Start: 40679, Stop: 39744, Start Num: 15

Candidate Starts for Bakery_53:

(Start: 15 @40679 has 21 MA's), (Start: 31 @40631 has 5 MA's), (Start: 33 @40628 has 2 MA's), (Start: 43 @40610 has 4 MA's), (Start: 69 @40553 has 4 MA's), (86, 40469), (128, 40274), (134, 40244), (135, 40241), (147, 40199), (156, 40157), (158, 40148), (165, 40109), (207, 39905), (218, 39836), (228, 39788), (229, 39773), (232, 39761),

Gene: Balomoji_51 Start: 38194, Stop: 39075, Start Num: 57

Candidate Starts for Balomoji_51:

(Start: 57 @38194 has 132 MA's), (Start: 63 @38206 has 3 MA's), (Start: 74 @38236 has 1 MA's), (85, 38293), (105, 38374), (107, 38398), (111, 38419), (114, 38431), (116, 38440), (122, 38479), (123, 38482), (129, 38509), (135, 38536), (138, 38548), (149, 38602), (156, 38638), (168, 38689), (175, 38737), (195, 38845), (205, 38884), (210, 38926), (217, 38965), (236, 39061), (238, 39067),

Gene: Barb_49 Start: 39609, Stop: 38722, Start Num: 31

Candidate Starts for Barb_49:

(Start: 15 @39657 has 21 MA's), (Start: 31 @39609 has 5 MA's), (Start: 33 @39606 has 2 MA's), (Start: 43 @39588 has 4 MA's), (Start: 47 @39579 has 1 MA's), (86, 39447), (125, 39264), (128, 39252), (135, 39219), (147, 39177), (158, 39126), (165, 39087), (207, 38883), (209, 38874), (218, 38814), (228, 38766), (229, 38751), (232, 38739),

Gene: Barbarian_52 Start: 36717, Stop: 37598, Start Num: 57

Candidate Starts for Barbarian_52:

(Start: 57 @36717 has 132 MA's), (Start: 63 @36729 has 3 MA's), (Start: 74 @36759 has 1 MA's), (85, 36816), (105, 36897), (107, 36921), (111, 36942), (114, 36954), (116, 36963), (122, 37002), (123, 37005), (129, 37032), (135, 37059), (138, 37071), (149, 37125), (156, 37161), (168, 37212), (175, 37260), (195, 37368), (205, 37407), (210, 37449), (217, 37488), (236, 37584), (238, 37590),

Gene: Barebow_18 Start: 15231, Stop: 14389, Start Num: 45

Candidate Starts for Barebow_18:

(9, 15354), (10, 15345), (12, 15327), (Start: 18 @15294 has 1 MA's), (34, 15252), (Start: 45 @15231 has 1 MA's), (Start: 48 @15222 has 3 MA's), (Start: 55 @15210 has 3 MA's), (68, 15180), (99, 15039), (115, 14964), (125, 14907), (128, 14895), (134, 14865), (138, 14850), (147, 14820), (148, 14817), (153, 14793), (168, 14721), (172, 14691),

Gene: Bartholomew_29 Start: 26812, Stop: 25919, Start Num: 60

Candidate Starts for Bartholomew_29:

(Start: 28 @26875 has 35 MA's), (44, 26845), (Start: 60 @26812 has 13 MA's), (Start: 61 @26809 has 2 MA's), (85, 26737), (86, 26728), (88, 26722), (99, 26677), (120, 26560), (121, 26557), (122, 26554), (129, 26524), (131, 26512), (135, 26497), (140, 26479), (147, 26452), (153, 26425), (154, 26419), (166, 26365), (168, 26359), (182, 26290), (201, 26206), (212, 26146), (221, 26104), (228, 26062), (250, 25933),

Gene: Bask21_53 Start: 37051, Stop: 37932, Start Num: 57

Candidate Starts for Bask21_53:

(Start: 57 @37051 has 132 MA's), (Start: 63 @37063 has 3 MA's), (Start: 74 @37093 has 1 MA's), (85, 37150), (105, 37231), (107, 37255), (111, 37276), (114, 37288), (116, 37297), (122, 37336), (123, 37339), (129, 37366), (135, 37393), (138, 37405), (149, 37459), (156, 37495), (168, 37546), (175,

37594), (195, 37702), (205, 37741), (210, 37783), (217, 37822), (236, 37918), (238, 37924),

Gene: Becksu_53 Start: 38260, Stop: 39141, Start Num: 57

Candidate Starts for Becksu_53:

(Start: 57 @38260 has 132 MA's), (Start: 63 @38272 has 3 MA's), (Start: 74 @38302 has 1 MA's), (85, 38359), (105, 38440), (107, 38464), (111, 38485), (114, 38497), (116, 38506), (122, 38545), (123, 38548), (129, 38575), (135, 38602), (138, 38614), (149, 38668), (156, 38704), (168, 38755), (175, 38803), (195, 38911), (205, 38950), (210, 38992), (217, 39031), (236, 39127), (238, 39133),

Gene: Bench_54 Start: 37695, Stop: 38576, Start Num: 57

Candidate Starts for Bench_54:

(Start: 57 @37695 has 132 MA's), (Start: 63 @37707 has 3 MA's), (Start: 74 @37737 has 1 MA's), (85, 37794), (105, 37875), (107, 37899), (111, 37920), (114, 37932), (116, 37941), (122, 37980), (123, 37983), (129, 38010), (135, 38037), (138, 38049), (149, 38103), (156, 38139), (168, 38190), (175, 38238), (195, 38346), (205, 38385), (210, 38427), (217, 38466), (236, 38562), (238, 38568),

Gene: Bhagsy_30 Start: 26805, Stop: 25915, Start Num: 61

Candidate Starts for Bhagsy_30:

(Start: 28 @26871 has 35 MA's), (Start: 60 @26808 has 13 MA's), (Start: 61 @26805 has 2 MA's), (85, 26733), (86, 26724), (99, 26673), (120, 26556), (121, 26553), (122, 26550), (129, 26520), (131, 26508), (135, 26493), (140, 26475), (147, 26448), (153, 26421), (154, 26415), (166, 26361), (182, 26286), (201, 26202), (216, 26112), (221, 26100), (228, 26058), (250, 25929),

Gene: BigBubba_53 Start: 37736, Stop: 38617, Start Num: 57

Candidate Starts for BigBubba_53:

(Start: 57 @37736 has 132 MA's), (Start: 63 @37748 has 3 MA's), (Start: 74 @37778 has 1 MA's), (85, 37835), (105, 37916), (107, 37940), (111, 37961), (114, 37973), (116, 37982), (122, 38021), (123, 38024), (129, 38051), (135, 38078), (138, 38090), (149, 38144), (156, 38180), (168, 38231), (175, 38279), (195, 38387), (205, 38426), (210, 38468), (217, 38507), (236, 38603), (238, 38609),

Gene: BigNuz_33 Start: 28934, Stop: 28032, Start Num: 55

Candidate Starts for BigNuz_33:

(42, 28961), (Start: 55 @28934 has 3 MA's), (Start: 60 @28925 has 13 MA's), (85, 28850), (86, 28841), (120, 28673), (121, 28670), (122, 28667), (129, 28637), (131, 28625), (135, 28610), (140, 28592), (147, 28565), (153, 28538), (154, 28532), (166, 28478), (169, 28454), (178, 28415), (182, 28403), (201, 28319), (206, 28304), (208, 28286), (221, 28217), (228, 28175), (241, 28106), (250, 28046),

Gene: BilboSwaggins_51 Start: 38365, Stop: 39246, Start Num: 57

Candidate Starts for BilboSwaggins_51:

(Start: 57 @38365 has 132 MA's), (Start: 63 @38377 has 3 MA's), (Start: 74 @38407 has 1 MA's), (85, 38464), (105, 38545), (107, 38569), (111, 38590), (114, 38602), (116, 38611), (122, 38650), (123, 38653), (129, 38680), (135, 38707), (138, 38719), (149, 38773), (156, 38809), (168, 38860), (175, 38908), (195, 39016), (205, 39055), (210, 39097), (217, 39136), (236, 39232), (238, 39238),

Gene: Bogg_52 Start: 37009, Stop: 37890, Start Num: 57

Candidate Starts for Bogg_52:

(Start: 57 @37009 has 132 MA's), (Start: 63 @37021 has 3 MA's), (Start: 74 @37051 has 1 MA's), (85, 37108), (105, 37189), (107, 37213), (111, 37234), (114, 37246), (116, 37255), (122, 37294), (123, 37297), (129, 37324), (135, 37351), (138, 37363), (149, 37417), (156, 37453), (168, 37504), (175, 37552), (195, 37660), (205, 37699), (210, 37741), (217, 37780), (236, 37876), (238, 37882),

Gene: Bogie_32 Start: 28658, Stop: 27702, Start Num: 28

Candidate Starts for Bogie_32:

(Start: 28 @28658 has 35 MA's), (44, 28628), (Start: 60 @28595 has 13 MA's), (Start: 61 @28592 has 2 MA's), (85, 28520), (86, 28511), (88, 28505), (99, 28460), (120, 28343), (121, 28340), (122, 28337), (129, 28307), (131, 28295), (135, 28280), (137, 28271), (140, 28262), (147, 28235), (153, 28208), (154, 28202), (166, 28148), (169, 28124), (182, 28073), (201, 27989), (212, 27929), (216, 27899), (221, 27887), (228, 27845), (250, 27716),

Gene: Bosection6_34 Start: 27410, Stop: 26439, Start Num: 17

Candidate Starts for Bosection6_34:

(Start: 17 @27410 has 31 MA's), (19, 27401), (Start: 52 @27326 has 4 MA's), (Start: 58 @27311 has 1 MA's), (95, 27188), (99, 27164), (120, 27047), (121, 27044), (126, 27023), (135, 26984), (136, 26981), (137, 26975), (142, 26960), (147, 26939), (151, 26924), (162, 26867), (165, 26855), (172, 26816), (178, 26789), (182, 26777), (189, 26750), (196, 26711), (201, 26687), (206, 26672), (228, 26543), (240, 26489), (245, 26456),

Gene: Brewer_47 Start: 36525, Stop: 37406, Start Num: 57

Candidate Starts for Brewer_47:

(Start: 57 @36525 has 132 MA's), (Start: 63 @36537 has 3 MA's), (Start: 74 @36567 has 1 MA's), (85, 36624), (105, 36705), (107, 36729), (111, 36750), (114, 36762), (116, 36771), (122, 36810), (123, 36813), (129, 36840), (135, 36867), (138, 36879), (149, 36933), (156, 36969), (168, 37020), (175, 37068), (195, 37176), (205, 37215), (210, 37257), (217, 37296), (236, 37392), (238, 37398),

Gene: BronnyJr_30 Start: 27372, Stop: 26383, Start Num: 28

Candidate Starts for BronnyJr_30:

(Start: 28 @27372 has 35 MA's), (44, 27342), (Start: 60 @27309 has 13 MA's), (Start: 61 @27306 has 2 MA's), (71, 27276), (72, 27273), (85, 27201), (86, 27192), (88, 27186), (99, 27141), (120, 27024), (121, 27021), (122, 27018), (129, 26988), (131, 26976), (135, 26961), (140, 26943), (147, 26916), (153, 26889), (154, 26883), (166, 26829), (168, 26823), (169, 26805), (182, 26754), (201, 26670), (212, 26610), (221, 26568), (228, 26526), (250, 26397),

Gene: Bruin_48 Start: 36604, Stop: 37485, Start Num: 57

Candidate Starts for Bruin_48:

(Start: 57 @36604 has 132 MA's), (Start: 63 @36616 has 3 MA's), (Start: 74 @36646 has 1 MA's), (85, 36703), (105, 36784), (107, 36808), (111, 36829), (114, 36841), (116, 36850), (122, 36889), (123, 36892), (129, 36919), (135, 36946), (138, 36958), (149, 37012), (156, 37048), (168, 37099), (175, 37147), (195, 37255), (205, 37294), (210, 37336), (217, 37375), (236, 37471), (238, 37477),

Gene: Brujita_33 Start: 29011, Stop: 28055, Start Num: 28

Candidate Starts for Brujita_33:

(Start: 28 @29011 has 35 MA's), (44, 28981), (Start: 60 @28948 has 13 MA's), (Start: 61 @28945 has 2 MA's), (85, 28873), (86, 28864), (99, 28813), (120, 28696), (121, 28693), (122, 28690), (129, 28660), (131, 28648), (135, 28633), (140, 28615), (147, 28588), (153, 28561), (154, 28555), (166, 28501), (169, 28477), (182, 28426), (201, 28342), (216, 28252), (221, 28240), (228, 28198), (250, 28069),

Gene: Brusacoram_30 Start: 26805, Stop: 25912, Start Num: 60

Candidate Starts for Brusacoram_30:

(Start: 28 @26868 has 35 MA's), (Start: 60 @26805 has 13 MA's), (Start: 61 @26802 has 2 MA's), (85, 26730), (86, 26721), (99, 26670), (120, 26553), (121, 26550), (122, 26547), (129, 26517), (131, 26505), (135, 26490), (140, 26472), (147, 26445), (153, 26418), (154, 26412), (166, 26358), (168, 26352), (169, 26334), (182, 26283), (201, 26199), (216, 26109), (221, 26097), (228, 26055), (250, 25926),

Gene: Buck_53 Start: 38311, Stop: 39192, Start Num: 57

Candidate Starts for Buck_53:

(Start: 57 @38311 has 132 MA's), (Start: 63 @38323 has 3 MA's), (Start: 74 @38353 has 1 MA's), (85, 38410), (105, 38491), (107, 38515), (111, 38536), (114, 38548), (116, 38557), (122, 38596), (123, 38599), (129, 38626), (135, 38653), (138, 38665), (149, 38719), (156, 38755), (168, 38806), (175, 38854), (195, 38962), (205, 39001), (210, 39043), (217, 39082), (236, 39178), (238, 39184),

Gene: Budgie_60 Start: 38853, Stop: 39737, Start Num: 57

Candidate Starts for Budgie_60:

(Start: 57 @38853 has 132 MA's), (Start: 63 @38865 has 3 MA's), (Start: 74 @38895 has 1 MA's), (85, 38952), (102, 39024), (105, 39033), (107, 39057), (111, 39078), (114, 39090), (122, 39138), (123, 39141), (129, 39168), (135, 39195), (138, 39207), (156, 39297), (168, 39348), (175, 39396), (188, 39465), (195, 39504), (210, 39585), (217, 39624),

Gene: BugsBunny_53 Start: 38142, Stop: 39023, Start Num: 57

Candidate Starts for BugsBunny_53:

(Start: 57 @38142 has 132 MA's), (Start: 63 @38154 has 3 MA's), (Start: 74 @38184 has 1 MA's), (85, 38241), (105, 38322), (107, 38346), (111, 38367), (114, 38379), (116, 38388), (122, 38427), (123, 38430), (129, 38457), (135, 38484), (138, 38496), (149, 38550), (156, 38586), (168, 38637), (175, 38685), (195, 38793), (205, 38832), (210, 38874), (217, 38913), (236, 39009), (238, 39015),

Gene: Bunker_36 Start: 30985, Stop: 30131, Start Num: 52

Candidate Starts for Bunker_36:

(Start: 52 @30985 has 4 MA's), (84, 30886), (92, 30856), (99, 30823), (100, 30814), (108, 30778), (120, 30706), (121, 30703), (135, 30643), (142, 30619), (146, 30601), (147, 30598), (152, 30580), (168, 30505), (174, 30460), (182, 30436), (189, 30409), (201, 30346), (206, 30331), (215, 30259), (221, 30244), (228, 30202), (237, 30157),

Gene: Bunnies_30 Start: 26889, Stop: 25933, Start Num: 28

Candidate Starts for Bunnies_30:

(Start: 28 @26889 has 35 MA's), (Start: 60 @26826 has 13 MA's), (Start: 61 @26823 has 2 MA's), (85, 26751), (86, 26742), (99, 26691), (120, 26574), (121, 26571), (122, 26568), (129, 26538), (131, 26526), (135, 26511), (140, 26493), (147, 26466), (153, 26439), (154, 26433), (166, 26379), (182, 26304), (201, 26220), (216, 26130), (221, 26118), (228, 26076), (250, 25947),

Gene: Cactus_54 Start: 37084, Stop: 37965, Start Num: 57

Candidate Starts for Cactus_54:

(Start: 57 @37084 has 132 MA's), (Start: 63 @37096 has 3 MA's), (Start: 74 @37126 has 1 MA's), (85, 37183), (105, 37264), (107, 37288), (111, 37309), (114, 37321), (116, 37330), (122, 37369), (123, 37372), (129, 37399), (135, 37426), (138, 37438), (149, 37492), (156, 37528), (168, 37579), (175, 37627), (195, 37735), (205, 37774), (210, 37816), (217, 37855), (236, 37951), (238, 37957),

Gene: CactusJack_30 Start: 27132, Stop: 26176, Start Num: 28

Candidate Starts for CactusJack_30:

(Start: 28 @27132 has 35 MA's), (Start: 60 @27069 has 13 MA's), (Start: 61 @27066 has 2 MA's), (85, 26994), (86, 26985), (99, 26934), (120, 26817), (121, 26814), (122, 26811), (129, 26781), (131, 26769), (135, 26754), (140, 26736), (147, 26709), (153, 26682), (154, 26676), (166, 26622), (168, 26616), (169, 26598), (182, 26547), (201, 26463), (216, 26373), (221, 26361), (228, 26319), (250, 26190),

Gene: Camerico_75 Start: 60592, Stop: 59744, Start Num: 38

Candidate Starts for Camerico_75:

(Start: 38 @60592 has 1 MA's), (Start: 65 @60535 has 1 MA's), (79, 60466), (101, 60397), (132, 60232), (137, 60214), (139, 60208), (141, 60202), (168, 60085), (176, 60037), (181, 60013), (185, 59989), (232, 59755),

Gene: Camster_30 Start: 26842, Stop: 25949, Start Num: 60

Candidate Starts for Camster_30:

(Start: 28 @26905 has 35 MA's), (44, 26875), (Start: 60 @26842 has 13 MA's), (Start: 61 @26839 has 2 MA's), (85, 26767), (86, 26758), (99, 26707), (120, 26590), (121, 26587), (122, 26584), (129, 26554), (131, 26542), (135, 26527), (140, 26509), (147, 26482), (153, 26455), (154, 26449), (166, 26395), (168, 26389), (182, 26320), (201, 26236), (216, 26146), (221, 26134), (228, 26092), (250, 25963),

Gene: Carcharodon_36 Start: 28718, Stop: 27747, Start Num: 17

Candidate Starts for Carcharodon_36:

(Start: 17 @28718 has 31 MA's), (Start: 52 @28634 has 4 MA's), (Start: 58 @28619 has 1 MA's), (95, 28496), (99, 28472), (120, 28355), (121, 28352), (126, 28331), (135, 28292), (136, 28289), (137, 28283), (142, 28268), (147, 28247), (151, 28232), (162, 28175), (165, 28163), (172, 28124), (178, 28097), (182, 28085), (189, 28058), (196, 28019), (201, 27995), (206, 27980), (228, 27851), (229, 27836), (240, 27797),

Gene: CarefulCloud_17 Start: 12328, Stop: 11525, Start Num: 66

Candidate Starts for CarefulCloud_17:

(Start: 55 @12346 has 3 MA's), (66, 12328), (81, 12259), (94, 12211), (118, 12082), (123, 12058), (129, 12031), (136, 12001), (192, 11755), (196, 11740), (198, 11731), (211, 11668), (225, 11593), (226, 11587), (228, 11581),

Gene: Charlie_34 Start: 27409, Stop: 26438, Start Num: 17

Candidate Starts for Charlie_34:

(Start: 17 @27409 has 31 MA's), (19, 27400), (Start: 52 @27325 has 4 MA's), (Start: 58 @27310 has 1 MA's), (95, 27187), (99, 27163), (120, 27046), (121, 27043), (126, 27022), (135, 26983), (136, 26980), (137, 26974), (142, 26959), (147, 26938), (151, 26923), (162, 26866), (165, 26854), (172, 26815), (178, 26788), (182, 26776), (189, 26749), (196, 26710), (201, 26686), (206, 26671), (228, 26542), (240, 26488), (245, 26455),

Gene: CherryCola_49 Start: 40260, Stop: 39376, Start Num: 33

Candidate Starts for CherryCola_49:

(Start: 15 @40311 has 21 MA's), (Start: 31 @40263 has 5 MA's), (Start: 33 @40260 has 2 MA's), (Start: 43 @40242 has 4 MA's), (Start: 47 @40233 has 1 MA's), (86, 40101), (125, 39918), (128, 39906), (135, 39873), (147, 39831), (158, 39780), (165, 39741), (207, 39537), (209, 39528), (218, 39468), (228, 39420), (229, 39405), (232, 39393),

Gene: Chewbacca_37 Start: 28718, Stop: 27747, Start Num: 17

Candidate Starts for Chewbacca_37:

(Start: 17 @28718 has 31 MA's), (Start: 52 @28634 has 4 MA's), (Start: 58 @28619 has 1 MA's), (95, 28496), (99, 28472), (120, 28355), (121, 28352), (126, 28331), (135, 28292), (136, 28289), (137, 28283), (142, 28268), (147, 28247), (151, 28232), (162, 28175), (165, 28163), (172, 28124), (178, 28097), (182, 28085), (189, 28058), (196, 28019), (201, 27995), (206, 27980), (228, 27851), (229, 27836), (240, 27797),

Gene: ChosenOne_53 Start: 37384, Stop: 38265, Start Num: 57

Candidate Starts for ChosenOne_53:

(Start: 57 @37384 has 132 MA's), (Start: 63 @37396 has 3 MA's), (Start: 74 @37426 has 1 MA's), (85, 37483), (105, 37564), (107, 37588), (111, 37609), (114, 37621), (116, 37630), (122, 37669), (123, 37672), (129, 37699), (135, 37726), (138, 37738), (149, 37792), (156, 37828), (168, 37879), (175, 37927), (195, 38035), (205, 38074), (210, 38116), (217, 38155), (236, 38251), (238, 38257),

Gene: ChotaBhai_52 Start: 37406, Stop: 38287, Start Num: 57

Candidate Starts for ChotaBhai_52:

(Start: 57 @37406 has 132 MA's), (Start: 63 @37418 has 3 MA's), (Start: 74 @37448 has 1 MA's), (85, 37505), (100, 37571), (105, 37586), (107, 37610), (111, 37631), (114, 37643), (116, 37652), (122, 37691), (123, 37694), (129, 37721), (135, 37748), (138, 37760), (149, 37814), (156, 37850), (168, 37901), (175, 37949), (195, 38057), (205, 38096), (210, 38138), (217, 38177), (236, 38273), (238, 38279),

Gene: Chubbello_30 Start: 26810, Stop: 25917, Start Num: 60

Candidate Starts for Chubbello_30:

(Start: 28 @26873 has 35 MA's), (44, 26843), (Start: 60 @26810 has 13 MA's), (Start: 61 @26807 has 2 MA's), (85, 26735), (86, 26726), (99, 26675), (120, 26558), (121, 26555), (122, 26552), (129, 26522), (131, 26510), (135, 26495), (140, 26477), (147, 26450), (153, 26423), (154, 26417), (166, 26363), (168, 26357), (182, 26288), (201, 26204), (216, 26114), (221, 26102), (228, 26060), (250, 25931),

Gene: Cjw1_52 Start: 38785, Stop: 39666, Start Num: 57

Candidate Starts for Cjw1_52:

(Start: 57 @38785 has 132 MA's), (Start: 63 @38797 has 3 MA's), (Start: 74 @38827 has 1 MA's), (85, 38884), (105, 38965), (107, 38989), (111, 39010), (114, 39022), (116, 39031), (122, 39070), (123, 39073), (129, 39100), (135, 39127), (138, 39139), (149, 39193), (156, 39229), (168, 39280), (175, 39328), (195, 39436), (205, 39475), (210, 39517), (217, 39556), (236, 39652), (238, 39658),

Gene: ClamChowder_49 Start: 39657, Stop: 38722, Start Num: 15

Candidate Starts for ClamChowder_49:

(Start: 15 @39657 has 21 MA's), (Start: 31 @39609 has 5 MA's), (Start: 33 @39606 has 2 MA's), (Start: 43 @39588 has 4 MA's), (Start: 47 @39579 has 1 MA's), (86, 39447), (125, 39264), (128, 39252), (135, 39219), (147, 39177), (158, 39126), (165, 39087), (207, 38883), (209, 38874), (218, 38814), (228, 38766), (229, 38751), (232, 38739),

Gene: Coeur_19 Start: 13884, Stop: 13063, Start Num: 55

Candidate Starts for Coeur_19:

(11, 14010), (16, 13980), (25, 13950), (46, 13902), (Start: 55 @13884 has 3 MA's), (75, 13827), (77, 13821), (78, 13812), (85, 13776), (92, 13746), (111, 13653), (118, 13614), (121, 13596), (123, 13590), (146, 13497), (159, 13428), (160, 13425), (166, 13401), (172, 13365), (173, 13359), (198, 13263), (201, 13248), (219, 13158), (221, 13155), (228, 13113), (229, 13098), (231, 13089), (235, 13077),

Gene: Command613_54 Start: 38123, Stop: 39004, Start Num: 57

Candidate Starts for Command613_54:

(Start: 57 @38123 has 132 MA's), (Start: 63 @38135 has 3 MA's), (Start: 74 @38165 has 1 MA's), (85, 38222), (105, 38303), (107, 38327), (111, 38348), (114, 38360), (116, 38369), (122, 38408), (123, 38411), (129, 38438), (135, 38465), (138, 38477), (149, 38531), (156, 38567), (168, 38618), (175, 38666), (195, 38774), (205, 38813), (210, 38855), (217, 38894), (236, 38990), (238, 38996),

Gene: Contagion_49 Start: 36885, Stop: 37766, Start Num: 57

Candidate Starts for Contagion_49:

(Start: 57 @36885 has 132 MA's), (Start: 63 @36897 has 3 MA's), (Start: 74 @36927 has 1 MA's), (85, 36984), (105, 37065), (107, 37089), (111, 37110), (114, 37122), (116, 37131), (122, 37170), (123, 37173), (129, 37200), (135, 37227), (138, 37239), (149, 37293), (156, 37329), (168, 37380), (175, 37428), (195, 37536), (205, 37575), (210, 37617), (217, 37656), (236, 37752), (238, 37758),

Gene: Cookies_49 Start: 37256, Stop: 38137, Start Num: 57

Candidate Starts for Cookies_49:

(Start: 57 @37256 has 132 MA's), (Start: 63 @37268 has 3 MA's), (Start: 74 @37298 has 1 MA's), (85, 37355), (105, 37436), (107, 37460), (111, 37481), (114, 37493), (116, 37502), (122, 37541), (123,

37544), (129, 37571), (135, 37598), (138, 37610), (149, 37664), (156, 37700), (168, 37751), (175, 37799), (195, 37907), (205, 37946), (210, 37988), (217, 38027), (236, 38123), (238, 38129),

Gene: CoveyB_50 Start: 39356, Stop: 38421, Start Num: 15

Candidate Starts for CoveyB_50:

(Start: 15 @39356 has 21 MA's), (Start: 31 @39308 has 5 MA's), (Start: 33 @39305 has 2 MA's), (Start: 43 @39287 has 4 MA's), (Start: 47 @39278 has 1 MA's), (86, 39146), (125, 38963), (128, 38951), (135, 38918), (147, 38876), (158, 38825), (165, 38786), (207, 38582), (209, 38573), (218, 38513), (228, 38465), (229, 38450), (232, 38438),

Gene: CrystalP_52 Start: 38365, Stop: 39246, Start Num: 57

Candidate Starts for CrystalP_52:

(Start: 57 @38365 has 132 MA's), (Start: 63 @38377 has 3 MA's), (Start: 74 @38407 has 1 MA's), (85, 38464), (105, 38545), (107, 38569), (111, 38590), (114, 38602), (116, 38611), (122, 38650), (123, 38653), (129, 38680), (135, 38707), (138, 38719), (149, 38773), (156, 38809), (168, 38860), (175, 38908), (195, 39016), (205, 39055), (210, 39097), (217, 39136), (236, 39232), (238, 39238),

Gene: Cubone_34 Start: 27431, Stop: 26460, Start Num: 17

Candidate Starts for Cubone_34:

(Start: 17 @27431 has 31 MA's), (19, 27422), (Start: 52 @27347 has 4 MA's), (Start: 58 @27332 has 1 MA's), (95, 27209), (99, 27185), (120, 27068), (121, 27065), (126, 27044), (135, 27005), (136, 27002), (137, 26996), (142, 26981), (147, 26960), (151, 26945), (162, 26888), (165, 26876), (172, 26837), (178, 26810), (182, 26798), (189, 26771), (196, 26732), (201, 26708), (206, 26693), (228, 26564), (240, 26510), (245, 26477),

Gene: Czyszczone1_53 Start: 37594, Stop: 38475, Start Num: 57

Candidate Starts for Czyszczone1_53:

(Start: 57 @37594 has 132 MA's), (Start: 63 @37606 has 3 MA's), (Start: 74 @37636 has 1 MA's), (85, 37693), (105, 37774), (107, 37798), (111, 37819), (114, 37831), (116, 37840), (122, 37879), (123, 37882), (129, 37909), (135, 37936), (138, 37948), (149, 38002), (156, 38038), (168, 38089), (175, 38137), (195, 38245), (205, 38284), (210, 38326), (217, 38365), (236, 38461), (238, 38467),

Gene: Daikon_53 Start: 38215, Stop: 39096, Start Num: 57

Candidate Starts for Daikon_53:

(Start: 57 @38215 has 132 MA's), (Start: 63 @38227 has 3 MA's), (Start: 74 @38257 has 1 MA's), (85, 38314), (105, 38395), (107, 38419), (111, 38440), (114, 38452), (116, 38461), (122, 38500), (123, 38503), (129, 38530), (135, 38557), (138, 38569), (149, 38623), (156, 38659), (168, 38710), (175, 38758), (195, 38866), (205, 38905), (210, 38947), (217, 38986), (236, 39082), (238, 39088),

Gene: Danyall_49 Start: 39358, Stop: 38423, Start Num: 15

Candidate Starts for Danyall_49:

(Start: 15 @39358 has 21 MA's), (Start: 31 @39310 has 5 MA's), (Start: 33 @39307 has 2 MA's), (Start: 43 @39289 has 4 MA's), (Start: 47 @39280 has 1 MA's), (86, 39148), (125, 38965), (128, 38953), (134, 38923), (135, 38920), (147, 38878), (158, 38827), (165, 38788), (166, 38785), (207, 38584), (209, 38575), (218, 38515), (228, 38467), (229, 38452), (232, 38440),

Gene: DoctorDiddles_52 Start: 37442, Stop: 38323, Start Num: 57

Candidate Starts for DoctorDiddles_52:

(Start: 57 @37442 has 132 MA's), (Start: 63 @37454 has 3 MA's), (Start: 74 @37484 has 1 MA's), (85, 37541), (105, 37622), (107, 37646), (111, 37667), (114, 37679), (116, 37688), (122, 37727), (123, 37730), (129, 37757), (135, 37784), (138, 37796), (149, 37850), (156, 37886), (168, 37937), (175, 37985), (195, 38093), (205, 38132), (210, 38174), (217, 38213), (236, 38309), (238, 38315),

Gene: Dogfish_32 Start: 28978, Stop: 28088, Start Num: 48

Candidate Starts for Dogfish_32:

(Start: 48 @28978 has 3 MA's), (84, 28873), (85, 28870), (92, 28843), (99, 28810), (120, 28693), (135, 28630), (142, 28606), (146, 28588), (147, 28585), (170, 28471), (174, 28447), (182, 28423), (189, 28396), (201, 28333), (209, 28297), (215, 28246), (221, 28231), (228, 28189), (237, 28144), (242, 28111),

Gene: Donovan_30 Start: 26897, Stop: 25908, Start Num: 28

Candidate Starts for Donovan_30:

(Start: 28 @26897 has 35 MA's), (44, 26867), (Start: 60 @26834 has 13 MA's), (Start: 61 @26831 has 2 MA's), (71, 26801), (72, 26798), (85, 26726), (86, 26717), (88, 26711), (99, 26666), (120, 26549), (121, 26546), (122, 26543), (129, 26513), (131, 26501), (135, 26486), (140, 26468), (147, 26441), (153, 26414), (154, 26408), (166, 26354), (168, 26348), (169, 26330), (182, 26279), (201, 26195), (212, 26135), (221, 26093), (250, 25922),

Gene: DrDrey_52 Start: 38513, Stop: 39394, Start Num: 57

Candidate Starts for DrDrey_52:

(Start: 57 @38513 has 132 MA's), (Start: 63 @38525 has 3 MA's), (Start: 74 @38555 has 1 MA's), (85, 38612), (105, 38693), (107, 38717), (111, 38738), (114, 38750), (116, 38759), (122, 38798), (123, 38801), (129, 38828), (135, 38855), (138, 38867), (149, 38921), (156, 38957), (168, 39008), (175, 39056), (195, 39164), (205, 39203), (210, 39245), (217, 39284), (236, 39380), (238, 39386),

Gene: Dumbo_52 Start: 37289, Stop: 38170, Start Num: 57

Candidate Starts for Dumbo_52:

(Start: 57 @37289 has 132 MA's), (Start: 63 @37301 has 3 MA's), (Start: 74 @37331 has 1 MA's), (85, 37388), (105, 37469), (107, 37493), (111, 37514), (114, 37526), (116, 37535), (122, 37574), (123, 37577), (129, 37604), (135, 37631), (138, 37643), (149, 37697), (156, 37733), (168, 37784), (175, 37832), (195, 37940), (205, 37979), (210, 38021), (217, 38060), (236, 38156), (238, 38162),

Gene: Duplicity_36 Start: 28727, Stop: 27756, Start Num: 17

Candidate Starts for Duplicity_36:

(Start: 17 @28727 has 31 MA's), (Start: 52 @28643 has 4 MA's), (Start: 58 @28628 has 1 MA's), (95, 28505), (99, 28481), (120, 28364), (121, 28361), (126, 28340), (135, 28301), (136, 28298), (137, 28292), (142, 28277), (147, 28256), (151, 28241), (162, 28184), (165, 28172), (172, 28133), (178, 28106), (182, 28094), (189, 28067), (196, 28028), (201, 28004), (206, 27989), (228, 27860), (229, 27845), (240, 27806),

Gene: Dusk_50 Start: 37586, Stop: 38467, Start Num: 57

Candidate Starts for Dusk_50:

(Start: 57 @37586 has 132 MA's), (Start: 63 @37598 has 3 MA's), (Start: 74 @37628 has 1 MA's), (85, 37685), (105, 37766), (107, 37790), (111, 37811), (114, 37823), (116, 37832), (122, 37871), (123, 37874), (129, 37901), (135, 37928), (138, 37940), (149, 37994), (156, 38030), (168, 38081), (175, 38129), (195, 38237), (205, 38276), (210, 38318), (217, 38357), (236, 38453), (238, 38459),

Gene: Dynamo_30 Start: 27286, Stop: 26330, Start Num: 28

Candidate Starts for Dynamo_30:

(Start: 28 @27286 has 35 MA's), (44, 27256), (Start: 60 @27223 has 13 MA's), (Start: 61 @27220 has 2 MA's), (85, 27148), (86, 27139), (88, 27133), (99, 27088), (120, 26971), (121, 26968), (122, 26965), (129, 26935), (131, 26923), (135, 26908), (140, 26890), (147, 26863), (153, 26836), (154, 26830), (166, 26776), (168, 26770), (182, 26701), (201, 26617), (212, 26557), (221, 26515), (228, 26473), (250, 26344),

Gene: EGUnicorn_34 Start: 27409, Stop: 26438, Start Num: 17

Candidate Starts for EGUunicorn_34:

(Start: 17 @27409 has 31 MA's), (Start: 52 @27325 has 4 MA's), (Start: 58 @27310 has 1 MA's), (95, 27187), (99, 27163), (120, 27046), (121, 27043), (126, 27022), (135, 26983), (136, 26980), (137, 26974), (142, 26959), (147, 26938), (151, 26923), (162, 26866), (165, 26854), (172, 26815), (178, 26788), (182, 26776), (189, 26749), (196, 26710), (201, 26686), (206, 26671), (228, 26542), (240, 26488), (245, 26455),

Gene: Easy2Say_53 Start: 38827, Stop: 39708, Start Num: 57

Candidate Starts for Easy2Say_53:

(Start: 57 @38827 has 132 MA's), (Start: 63 @38839 has 3 MA's), (Start: 74 @38869 has 1 MA's), (85, 38926), (105, 39007), (107, 39031), (111, 39052), (114, 39064), (116, 39073), (122, 39112), (123, 39115), (129, 39142), (135, 39169), (138, 39181), (149, 39235), (156, 39271), (168, 39322), (175, 39370), (195, 39478), (205, 39517), (210, 39559), (217, 39598), (236, 39694), (238, 39700),

Gene: Egi03_47 Start: 39138, Stop: 38203, Start Num: 15

Candidate Starts for Egi03_47:

(Start: 15 @39138 has 21 MA's), (Start: 31 @39090 has 5 MA's), (Start: 33 @39087 has 2 MA's), (Start: 43 @39069 has 4 MA's), (Start: 47 @39060 has 1 MA's), (86, 38928), (125, 38745), (128, 38733), (135, 38700), (147, 38658), (158, 38607), (165, 38568), (207, 38364), (209, 38355), (218, 38295), (228, 38247), (229, 38232), (232, 38220),

Gene: Elite2014_52 Start: 37383, Stop: 38264, Start Num: 57

Candidate Starts for Elite2014_52:

(Start: 57 @37383 has 132 MA's), (Start: 63 @37395 has 3 MA's), (Start: 74 @37425 has 1 MA's), (85, 37482), (105, 37563), (107, 37587), (111, 37608), (114, 37620), (116, 37629), (122, 37668), (123, 37671), (129, 37698), (135, 37725), (138, 37737), (149, 37791), (156, 37827), (168, 37878), (175, 37926), (195, 38034), (205, 38073), (210, 38115), (217, 38154), (236, 38250), (238, 38256),

Gene: Elph10_52 Start: 37092, Stop: 37973, Start Num: 57

Candidate Starts for Elph10_52:

(Start: 57 @37092 has 132 MA's), (Start: 63 @37104 has 3 MA's), (Start: 74 @37134 has 1 MA's), (85, 37191), (105, 37272), (107, 37296), (111, 37317), (114, 37329), (116, 37338), (122, 37377), (123, 37380), (129, 37407), (135, 37434), (138, 37446), (149, 37500), (156, 37536), (168, 37587), (175, 37635), (195, 37743), (205, 37782), (210, 37824), (217, 37863), (236, 37959), (238, 37965),

Gene: Emmina_52 Start: 37290, Stop: 38171, Start Num: 57

Candidate Starts for Emmina_52:

(Start: 57 @37290 has 132 MA's), (Start: 63 @37302 has 3 MA's), (Start: 74 @37332 has 1 MA's), (85, 37389), (105, 37470), (107, 37494), (111, 37515), (114, 37527), (116, 37536), (122, 37575), (123, 37578), (129, 37605), (135, 37632), (138, 37644), (149, 37698), (156, 37734), (168, 37785), (175, 37833), (195, 37941), (205, 37980), (210, 38022), (217, 38061), (236, 38157), (238, 38163),

Gene: Emperor_19 Start: 14339, Stop: 13512, Start Num: 52

Candidate Starts for Emperor_19:

(Start: 52 @14339 has 4 MA's), (Start: 58 @14324 has 1 MA's), (Start: 60 @14321 has 13 MA's), (Start: 64 @14312 has 1 MA's), (75, 14276), (81, 14240), (82, 14234), (91, 14198), (118, 14063), (123, 14039), (129, 14012), (133, 13991), (134, 13988), (144, 13952), (146, 13946), (147, 13943), (156, 13901), (159, 13877), (160, 13874), (170, 13823), (172, 13814), (173, 13808), (186, 13763), (201, 13697), (209, 13670), (227, 13565),

Gene: EpicDab_18 Start: 14205, Stop: 13375, Start Num: 52

Candidate Starts for EpicDab_18:

(Start: 52 @14205 has 4 MA's), (Start: 64 @14181 has 1 MA's), (75, 14145), (94, 14058), (129, 13881), (133, 13860), (134, 13857), (147, 13812), (156, 13770), (159, 13746), (160, 13743), (163, 13731), (168, 13713), (170, 13692), (172, 13683), (173, 13677), (201, 13566), (215, 13488), (219, 13476), (221, 13473), (227, 13434),

Gene: Etoile_30 Start: 26812, Stop: 25919, Start Num: 60

Candidate Starts for Etoile_30:

(Start: 28 @26875 has 35 MA's), (44, 26845), (Start: 60 @26812 has 13 MA's), (Start: 61 @26809 has 2 MA's), (85, 26737), (86, 26728), (88, 26722), (99, 26677), (120, 26560), (121, 26557), (122, 26554), (129, 26524), (131, 26512), (135, 26497), (140, 26479), (147, 26452), (153, 26425), (154, 26419), (166, 26365), (168, 26359), (182, 26290), (201, 26206), (212, 26146), (221, 26104), (228, 26062), (250, 25933),

Gene: Eureka_50 Start: 37854, Stop: 38735, Start Num: 57

Candidate Starts for Eureka_50:

(Start: 57 @37854 has 132 MA's), (Start: 63 @37866 has 3 MA's), (Start: 74 @37896 has 1 MA's), (85, 37953), (105, 38034), (107, 38058), (111, 38079), (114, 38091), (116, 38100), (122, 38139), (123, 38142), (129, 38169), (135, 38196), (138, 38208), (149, 38262), (156, 38298), (168, 38349), (175, 38397), (195, 38505), (205, 38544), (210, 38586), (217, 38625), (236, 38721), (238, 38727),

Gene: Evamon_46 Start: 39326, Stop: 38442, Start Num: 33

Candidate Starts for Evamon_46:

(Start: 15 @39377 has 21 MA's), (Start: 31 @39329 has 5 MA's), (Start: 33 @39326 has 2 MA's), (Start: 43 @39308 has 4 MA's), (Start: 47 @39299 has 1 MA's), (86, 39167), (125, 38984), (128, 38972), (134, 38942), (135, 38939), (147, 38897), (158, 38846), (165, 38807), (207, 38603), (209, 38594), (218, 38534), (228, 38486), (229, 38471), (232, 38459),

Gene: Ewald_33 Start: 29356, Stop: 28496, Start Num: 48

Candidate Starts for Ewald_33:

(Start: 48 @29356 has 3 MA's), (84, 29251), (86, 29239), (92, 29221), (99, 29188), (120, 29071), (142, 28984), (146, 28966), (147, 28963), (162, 28891), (170, 28849), (172, 28840), (174, 28825), (182, 28801), (189, 28774), (201, 28711), (215, 28624), (221, 28609), (237, 28522),

Gene: FairyPath_52 Start: 38206, Stop: 39087, Start Num: 57

Candidate Starts for FairyPath_52:

(Start: 57 @38206 has 132 MA's), (Start: 63 @38218 has 3 MA's), (Start: 74 @38248 has 1 MA's), (85, 38305), (105, 38386), (107, 38410), (111, 38431), (114, 38443), (116, 38452), (122, 38491), (123, 38494), (129, 38521), (135, 38548), (138, 38560), (149, 38614), (156, 38650), (168, 38701), (175, 38749), (195, 38857), (205, 38896), (210, 38938), (217, 38977), (236, 39073), (238, 39079),

Gene: Filch_53 Start: 37315, Stop: 38196, Start Num: 57

Candidate Starts for Filch_53:

(Start: 57 @37315 has 132 MA's), (Start: 63 @37327 has 3 MA's), (Start: 74 @37357 has 1 MA's), (85, 37414), (105, 37495), (107, 37519), (111, 37540), (114, 37552), (116, 37561), (122, 37600), (123, 37603), (129, 37630), (135, 37657), (138, 37669), (149, 37723), (156, 37759), (168, 37810), (175, 37858), (195, 37966), (205, 38005), (210, 38047), (217, 38086), (236, 38182), (238, 38188),

Gene: FireRed_55 Start: 38581, Stop: 39462, Start Num: 57

Candidate Starts for FireRed_55:

(Start: 57 @38581 has 132 MA's), (Start: 63 @38593 has 3 MA's), (Start: 74 @38623 has 1 MA's), (85, 38680), (105, 38761), (107, 38785), (111, 38806), (114, 38818), (116, 38827), (122, 38866), (123, 38869), (129, 38896), (135, 38923), (138, 38935), (149, 38989), (156, 39025), (168, 39076), (175, 39124), (195, 39232), (205, 39271), (210, 39313), (217, 39352), (236, 39448), (238, 39454),

Gene: FirstPlacePfu_30 Start: 26907, Stop: 25918, Start Num: 28

Candidate Starts for FirstPlacePfu_30:

(Start: 28 @26907 has 35 MA's), (44, 26877), (Start: 60 @26844 has 13 MA's), (Start: 61 @26841 has 2 MA's), (71, 26811), (72, 26808), (85, 26736), (86, 26727), (88, 26721), (99, 26676), (120, 26559), (121, 26556), (122, 26553), (129, 26523), (131, 26511), (135, 26496), (140, 26478), (147, 26451), (153, 26424), (154, 26418), (166, 26364), (168, 26358), (169, 26340), (182, 26289), (201, 26205), (212, 26145), (221, 26103), (228, 26061), (250, 25932),

Gene: Fishburne_30 Start: 26875, Stop: 25919, Start Num: 28

Candidate Starts for Fishburne_30:

(Start: 28 @26875 has 35 MA's), (44, 26845), (Start: 60 @26812 has 13 MA's), (Start: 61 @26809 has 2 MA's), (85, 26737), (86, 26728), (88, 26722), (99, 26677), (120, 26560), (121, 26557), (122, 26554), (129, 26524), (131, 26512), (135, 26497), (140, 26479), (147, 26452), (153, 26425), (154, 26419), (166, 26365), (168, 26359), (182, 26290), (201, 26206), (212, 26146), (221, 26104), (228, 26062), (250, 25933),

Gene: Flashwig_18 Start: 12942, Stop: 12121, Start Num: 55

Candidate Starts for Flashwig_18:

(Start: 55 @12942 has 3 MA's), (66, 12924), (81, 12855), (94, 12807), (118, 12678), (123, 12654), (129, 12627), (136, 12597), (198, 12327), (211, 12264), (225, 12189), (228, 12177),

Gene: Flypotenuse_47 Start: 37078, Stop: 37959, Start Num: 57

Candidate Starts for Flypotenuse_47:

(Start: 57 @37078 has 132 MA's), (Start: 63 @37090 has 3 MA's), (Start: 74 @37120 has 1 MA's), (85, 37177), (105, 37258), (107, 37282), (111, 37303), (114, 37315), (116, 37324), (122, 37363), (123, 37366), (129, 37393), (135, 37420), (138, 37432), (149, 37486), (156, 37522), (168, 37573), (175, 37621), (195, 37729), (205, 37768), (210, 37810), (217, 37849), (236, 37945), (238, 37951),

Gene: FoghornLeghorn_47 Start: 36088, Stop: 36969, Start Num: 57

Candidate Starts for FoghornLeghorn_47:

(Start: 57 @36088 has 132 MA's), (Start: 63 @36100 has 3 MA's), (Start: 74 @36130 has 1 MA's), (85, 36187), (105, 36268), (107, 36292), (111, 36313), (114, 36325), (116, 36334), (122, 36373), (123, 36376), (129, 36403), (135, 36430), (138, 36442), (149, 36496), (156, 36532), (168, 36583), (175, 36631), (195, 36739), (205, 36778), (210, 36820), (217, 36859), (236, 36955), (238, 36961),

Gene: Fugax_50 Start: 39601, Stop: 38714, Start Num: 31

Candidate Starts for Fugax_50:

(Start: 15 @39649 has 21 MA's), (Start: 31 @39601 has 5 MA's), (Start: 33 @39598 has 2 MA's), (Start: 43 @39580 has 4 MA's), (Start: 47 @39571 has 1 MA's), (86, 39439), (125, 39256), (128, 39244), (135, 39211), (147, 39169), (158, 39118), (165, 39079), (207, 38875), (209, 38866), (218, 38806), (228, 38758), (229, 38743), (232, 38731),

Gene: Fulbright_35 Start: 27807, Stop: 26836, Start Num: 17

Candidate Starts for Fulbright_35:

(Start: 17 @27807 has 31 MA's), (Start: 52 @27723 has 4 MA's), (Start: 58 @27708 has 1 MA's), (95, 27585), (99, 27561), (120, 27444), (121, 27441), (126, 27420), (135, 27381), (136, 27378), (137, 27372), (142, 27357), (147, 27336), (151, 27321), (162, 27264), (165, 27252), (172, 27213), (178, 27186), (182, 27174), (189, 27147), (196, 27108), (201, 27084), (206, 27069), (228, 26940), (229, 26925), (240, 26886),

Gene: GMA3_75 Start: 57620, Stop: 56823, Start Num: 65

Candidate Starts for GMA3_75:

(Start: 65 @57620 has 1 MA's), (87, 57515), (111, 57422), (159, 57200), (176, 57119), (196, 57014), (197, 57008), (214, 56921), (216, 56915), (232, 56834),

Gene: GMA5_17 Start: 13993, Stop: 13184, Start Num: 60

Candidate Starts for GMA5_17:

(21, 14077), (24, 14071), (51, 14011), (Start: 60 @13993 has 13 MA's), (98, 13840), (112, 13774), (123, 13714), (125, 13705), (147, 13618), (162, 13540), (168, 13519), (170, 13498), (172, 13489), (177, 13465), (199, 13384), (201, 13372), (209, 13345),

Gene: GRU3_17 Start: 14088, Stop: 13195, Start Num: 21

Candidate Starts for GRU3_17:

(21, 14088), (37, 14052), (51, 14022), (Start: 60 @14004 has 13 MA's), (96, 13866), (116, 13767), (125, 13716), (127, 13707), (147, 13629), (158, 13578), (176, 13482), (177, 13476), (201, 13383),

Gene: Gage_55 Start: 37863, Stop: 38744, Start Num: 57

Candidate Starts for Gage_55:

(Start: 57 @37863 has 132 MA's), (Start: 63 @37875 has 3 MA's), (Start: 74 @37905 has 1 MA's), (85, 37962), (105, 38043), (107, 38067), (111, 38088), (114, 38100), (116, 38109), (122, 38148), (123, 38151), (129, 38178), (135, 38205), (138, 38217), (149, 38271), (156, 38307), (168, 38358), (175, 38406), (195, 38514), (205, 38553), (210, 38595), (217, 38634), (236, 38730), (238, 38736),

Gene: GaloreK_30 Start: 26871, Stop: 25915, Start Num: 28

Candidate Starts for GaloreK_30:

(Start: 28 @26871 has 35 MA's), (44, 26841), (Start: 60 @26808 has 13 MA's), (Start: 61 @26805 has 2 MA's), (85, 26733), (86, 26724), (88, 26718), (99, 26673), (120, 26556), (121, 26553), (122, 26550), (129, 26520), (131, 26508), (135, 26493), (140, 26475), (147, 26448), (153, 26421), (154, 26415), (166, 26361), (168, 26355), (182, 26286), (201, 26202), (206, 26187), (216, 26112), (221, 26100), (228, 26058), (250, 25929),

Gene: Gator_50 Start: 38217, Stop: 39098, Start Num: 57

Candidate Starts for Gator_50:

(Start: 57 @38217 has 132 MA's), (Start: 63 @38229 has 3 MA's), (Start: 74 @38259 has 1 MA's), (85, 38316), (105, 38397), (107, 38421), (111, 38442), (114, 38454), (116, 38463), (122, 38502), (123, 38505), (129, 38532), (135, 38559), (138, 38571), (149, 38625), (156, 38661), (168, 38712), (175, 38760), (195, 38868), (205, 38907), (210, 38949), (217, 38988), (236, 39084), (238, 39090),

Gene: Gavriela_30 Start: 27132, Stop: 26176, Start Num: 28

Candidate Starts for Gavriela_30:

(Start: 28 @27132 has 35 MA's), (Start: 60 @27069 has 13 MA's), (Start: 61 @27066 has 2 MA's), (85, 26994), (86, 26985), (99, 26934), (120, 26817), (121, 26814), (122, 26811), (129, 26781), (131, 26769), (135, 26754), (140, 26736), (147, 26709), (153, 26682), (154, 26676), (166, 26622), (168, 26616), (169, 26598), (182, 26547), (201, 26463), (216, 26373), (221, 26361), (228, 26319), (250, 26190),

Gene: Gemini_56 Start: 38380, Stop: 39261, Start Num: 57

Candidate Starts for Gemini_56:

(Start: 57 @38380 has 132 MA's), (Start: 63 @38392 has 3 MA's), (Start: 74 @38422 has 1 MA's), (85, 38479), (105, 38560), (107, 38584), (111, 38605), (114, 38617), (116, 38626), (122, 38665), (123, 38668), (129, 38695), (135, 38722), (138, 38734), (149, 38788), (156, 38824), (168, 38875), (175, 38923), (195, 39031), (205, 39070), (210, 39112), (217, 39151), (236, 39247), (238, 39253),

Gene: Gex_36 Start: 28635, Stop: 27763, Start Num: 58

Candidate Starts for Gex_36:

(Start: 17 @28734 has 31 MA's), (Start: 52 @28650 has 4 MA's), (Start: 58 @28635 has 1 MA's), (95, 28512), (99, 28488), (120, 28371), (121, 28368), (126, 28347), (135, 28308), (136, 28305), (137, 28299), (142, 28284), (147, 28263), (151, 28248), (162, 28191), (165, 28179), (172, 28140), (178, 28113), (182, 28101), (189, 28074), (196, 28035), (201, 28011), (206, 27996), (228, 27867), (229, 27852), (240, 27813),

Gene: Gezellig_46 Start: 39509, Stop: 38574, Start Num: 15

Candidate Starts for Gezellig_46:

(Start: 15 @39509 has 21 MA's), (Start: 31 @39461 has 5 MA's), (Start: 33 @39458 has 2 MA's), (Start: 43 @39440 has 4 MA's), (Start: 47 @39431 has 1 MA's), (86, 39299), (125, 39116), (128, 39104), (135, 39071), (147, 39029), (158, 38978), (165, 38939), (207, 38735), (209, 38726), (218, 38666), (228, 38618), (229, 38603), (232, 38591),

Gene: Gibbles_68 Start: 56757, Stop: 55996, Start Num: 69

Candidate Starts for Gibbles_68:

(26, 56847), (41, 56817), (Start: 48 @56799 has 3 MA's), (Start: 69 @56757 has 4 MA's), (81, 56688), (109, 56586), (110, 56583), (126, 56499), (130, 56481), (135, 56460), (137, 56451), (143, 56433), (148, 56412), (167, 56331), (177, 56274), (209, 56142), (212, 56118), (215, 56091), (221, 56076), (226, 56040), (228, 56034), (232, 56007), (234, 56001),

Gene: Glaske_30 Start: 27132, Stop: 26176, Start Num: 28

Candidate Starts for Glaske_30:

(Start: 28 @27132 has 35 MA's), (Start: 60 @27069 has 13 MA's), (Start: 61 @27066 has 2 MA's), (85, 26994), (86, 26985), (99, 26934), (120, 26817), (121, 26814), (122, 26811), (129, 26781), (131, 26769), (135, 26754), (140, 26736), (147, 26709), (153, 26682), (154, 26676), (166, 26622), (168, 26616), (169, 26598), (182, 26547), (201, 26463), (216, 26373), (221, 26361), (228, 26319), (250, 26190),

Gene: Glexan_50 Start: 38205, Stop: 39086, Start Num: 57

Candidate Starts for Glexan_50:

(Start: 57 @38205 has 132 MA's), (Start: 63 @38217 has 3 MA's), (Start: 74 @38247 has 1 MA's), (85, 38304), (105, 38385), (107, 38409), (111, 38430), (114, 38442), (116, 38451), (122, 38490), (123, 38493), (129, 38520), (135, 38547), (138, 38559), (149, 38613), (156, 38649), (168, 38700), (175, 38748), (195, 38856), (205, 38895), (210, 38937), (217, 38976), (236, 39072), (238, 39078),

Gene: Gmala1_67 Start: 54450, Stop: 53653, Start Num: 67

Candidate Starts for Gmala1_67:

(67, 54450), (101, 54309), (107, 54273), (154, 54057), (173, 53961), (178, 53940), (181, 53925), (197, 53838), (215, 53748), (232, 53664),

Gene: Goku_50 Start: 37583, Stop: 38464, Start Num: 57

Candidate Starts for Goku_50:

(Start: 57 @37583 has 132 MA's), (Start: 63 @37595 has 3 MA's), (Start: 74 @37625 has 1 MA's), (85, 37682), (105, 37763), (107, 37787), (111, 37808), (114, 37820), (116, 37829), (122, 37868), (123, 37871), (129, 37898), (135, 37925), (138, 37937), (149, 37991), (156, 38027), (168, 38078), (175, 38126), (195, 38234), (205, 38273), (210, 38315), (217, 38354), (236, 38450), (238, 38456),

Gene: GoldenSpark_55 Start: 37863, Stop: 38744, Start Num: 57

Candidate Starts for GoldenSpark_55:

(Start: 57 @37863 has 132 MA's), (Start: 63 @37875 has 3 MA's), (Start: 74 @37905 has 1 MA's), (85, 37962), (105, 38043), (107, 38067), (111, 38088), (114, 38100), (116, 38109), (122, 38148), (123, 38151), (129, 38178), (135, 38205), (138, 38217), (149, 38271), (156, 38307), (168, 38358), (175, 38406), (195, 38514), (205, 38553), (210, 38595), (217, 38634), (236, 38730), (238, 38736),

Gene: Goldilocks_54 Start: 37365, Stop: 38246, Start Num: 57

Candidate Starts for Goldilocks_54:

(Start: 57 @37365 has 132 MA's), (Start: 63 @37377 has 3 MA's), (Start: 74 @37407 has 1 MA's), (85, 37464), (105, 37545), (107, 37569), (111, 37590), (114, 37602), (116, 37611), (122, 37650), (123, 37653), (129, 37680), (135, 37707), (138, 37719), (149, 37773), (156, 37809), (168, 37860), (175, 37908), (195, 38016), (205, 38055), (210, 38097), (217, 38136), (236, 38232), (238, 38238),

Gene: GooberAzure_55 Start: 37863, Stop: 38744, Start Num: 57

Candidate Starts for GooberAzure_55:

(Start: 57 @37863 has 132 MA's), (Start: 63 @37875 has 3 MA's), (Start: 74 @37905 has 1 MA's), (85, 37962), (105, 38043), (107, 38067), (111, 38088), (114, 38100), (116, 38109), (122, 38148), (123, 38151), (129, 38178), (135, 38205), (138, 38217), (149, 38271), (156, 38307), (168, 38358), (175, 38406), (195, 38514), (205, 38553), (210, 38595), (217, 38634), (236, 38730), (238, 38736),

Gene: GordDuk1_71 Start: 55008, Stop: 54211, Start Num: 67

Candidate Starts for GordDuk1_71:

(67, 55008), (99, 54879), (101, 54867), (107, 54831), (154, 54615), (178, 54498), (181, 54483), (197, 54396), (215, 54306), (232, 54222),

Gene: GordTnk2_72 Start: 55169, Stop: 54372, Start Num: 67

Candidate Starts for GordTnk2_72:

(67, 55169), (101, 55028), (107, 54992), (154, 54776), (178, 54659), (181, 54644), (197, 54557), (215, 54467), (232, 54383),

Gene: GreaseLightnin_30 Start: 27124, Stop: 26168, Start Num: 28

Candidate Starts for GreaseLightnin_30:

(Start: 28 @27124 has 35 MA's), (Start: 60 @27061 has 13 MA's), (Start: 61 @27058 has 2 MA's), (85, 26986), (86, 26977), (99, 26926), (120, 26809), (121, 26806), (122, 26803), (129, 26773), (131, 26761), (135, 26746), (140, 26728), (147, 26701), (153, 26674), (154, 26668), (166, 26614), (169, 26590), (182, 26539), (201, 26455), (216, 26365), (221, 26353), (228, 26311), (250, 26182),

Gene: Greep_56 Start: 38873, Stop: 39754, Start Num: 57

Candidate Starts for Greep_56:

(Start: 57 @38873 has 132 MA's), (Start: 63 @38885 has 3 MA's), (Start: 74 @38915 has 1 MA's), (85, 38972), (105, 39053), (107, 39077), (111, 39098), (114, 39110), (116, 39119), (122, 39158), (123, 39161), (129, 39188), (135, 39215), (138, 39227), (149, 39281), (156, 39317), (168, 39368), (175, 39416), (195, 39524), (205, 39563), (210, 39605), (217, 39644), (236, 39740), (238, 39746),

Gene: HUHilltop_30 Start: 26908, Stop: 25919, Start Num: 28

Candidate Starts for HUHilltop_30:

(Start: 28 @26908 has 35 MA's), (44, 26878), (Start: 60 @26845 has 13 MA's), (Start: 61 @26842 has 2 MA's), (71, 26812), (72, 26809), (85, 26737), (86, 26728), (88, 26722), (99, 26677), (120, 26560), (121, 26557), (122, 26554), (129, 26524), (131, 26512), (135, 26497), (137, 26488), (140, 26479), (147, 26452), (153, 26425), (154, 26419), (166, 26365), (168, 26359), (169, 26341), (178, 26302), (182, 26290), (201, 26206), (212, 26146), (221, 26104), (250, 25933),

Gene: Halo3_48 Start: 40094, Stop: 39159, Start Num: 15

Candidate Starts for Halo3_48:

(Start: 15 @40094 has 21 MA's), (Start: 31 @40046 has 5 MA's), (Start: 33 @40043 has 2 MA's), (Start: 43 @40025 has 4 MA's), (Start: 47 @40016 has 1 MA's), (86, 39884), (125, 39701), (128, 39689), (134, 39659), (135, 39656), (147, 39614), (158, 39563), (165, 39524), (207, 39320), (209, 39311), (218, 39251), (228, 39203), (229, 39188), (232, 39176),

Gene: HanKaySha_51 Start: 37173, Stop: 38054, Start Num: 57

Candidate Starts for HanKaySha_51:

(Start: 57 @37173 has 132 MA's), (Start: 63 @37185 has 3 MA's), (Start: 74 @37215 has 1 MA's), (85, 37272), (105, 37353), (107, 37377), (111, 37398), (114, 37410), (116, 37419), (122, 37458), (123, 37461), (129, 37488), (135, 37515), (138, 37527), (149, 37581), (156, 37617), (168, 37668), (175, 37716), (195, 37824), (205, 37863), (210, 37905), (217, 37944), (236, 38040), (238, 38046),

Gene: Harella_52 Start: 38721, Stop: 39602, Start Num: 57

Candidate Starts for Harella_52:

(Start: 57 @38721 has 132 MA's), (Start: 63 @38733 has 3 MA's), (Start: 74 @38763 has 1 MA's), (85, 38820), (105, 38901), (107, 38925), (111, 38946), (114, 38958), (116, 38967), (122, 39006), (123, 39009), (129, 39036), (135, 39063), (138, 39075), (149, 39129), (156, 39165), (168, 39216), (175, 39264), (195, 39372), (205, 39411), (210, 39453), (217, 39492), (236, 39588), (238, 39594),

Gene: Heinz_31 Start: 25016, Stop: 24150, Start Num: 43

Candidate Starts for Heinz_31:

(Start: 15 @25085 has 21 MA's), (Start: 33 @25034 has 2 MA's), (Start: 43 @25016 has 4 MA's), (86, 24875), (125, 24692), (128, 24680), (147, 24605), (148, 24602), (157, 24557), (165, 24515), (171, 24479), (207, 24311), (209, 24302), (216, 24248), (222, 24221), (229, 24179), (232, 24167),

Gene: Henry_51 Start: 37805, Stop: 38686, Start Num: 57

Candidate Starts for Henry_51:

(Start: 57 @37805 has 132 MA's), (Start: 63 @37817 has 3 MA's), (Start: 74 @37847 has 1 MA's), (85, 37904), (105, 37985), (107, 38009), (111, 38030), (114, 38042), (116, 38051), (122, 38090), (123, 38093), (129, 38120), (135, 38147), (138, 38159), (149, 38213), (156, 38249), (168, 38300), (175, 38348), (195, 38456), (205, 38495), (210, 38537), (217, 38576), (236, 38672), (238, 38678),

Gene: Hibiscus_32 Start: 25034, Stop: 24099, Start Num: 15

Candidate Starts for Hibiscus_32:

(Start: 15 @25034 has 21 MA's), (Start: 33 @24983 has 2 MA's), (Start: 43 @24965 has 4 MA's), (86, 24824), (125, 24641), (128, 24629), (147, 24554), (148, 24551), (157, 24506), (165, 24464), (171, 24428), (207, 24260), (209, 24251), (216, 24197), (222, 24170), (229, 24128), (232, 24116),

Gene: Highbury_53 Start: 37462, Stop: 38343, Start Num: 57

Candidate Starts for Highbury_53:

(Start: 57 @37462 has 132 MA's), (Start: 63 @37474 has 3 MA's), (Start: 74 @37504 has 1 MA's), (85, 37561), (105, 37642), (107, 37666), (111, 37687), (114, 37699), (116, 37708), (122, 37747), (123, 37750), (129, 37777), (135, 37804), (138, 37816), (149, 37870), (156, 37906), (168, 37957), (175, 38005), (195, 38113), (205, 38152), (210, 38194), (217, 38233), (236, 38329), (238, 38335),

Gene: Holt_57 Start: 38277, Stop: 39158, Start Num: 57

Candidate Starts for Holt_57:

(Start: 57 @38277 has 132 MA's), (Start: 63 @38289 has 3 MA's), (Start: 74 @38319 has 1 MA's), (85, 38376), (105, 38457), (107, 38481), (111, 38502), (114, 38514), (116, 38523), (122, 38562), (123, 38565), (129, 38592), (135, 38619), (138, 38631), (149, 38685), (156, 38721), (168, 38772), (175, 38820), (195, 38928), (205, 38967), (210, 39009), (217, 39048), (236, 39144), (238, 39150),

Gene: Hoonter_55 Start: 37863, Stop: 38744, Start Num: 57

Candidate Starts for Hoonter_55:

(Start: 57 @37863 has 132 MA's), (Start: 63 @37875 has 3 MA's), (Start: 74 @37905 has 1 MA's), (85, 37962), (105, 38043), (107, 38067), (111, 38088), (114, 38100), (116, 38109), (122, 38148), (123, 38151), (129, 38178), (135, 38205), (138, 38217), (149, 38271), (156, 38307), (168, 38358), (175,

38406), (195, 38514), (205, 38553), (210, 38595), (217, 38634), (236, 38730), (238, 38736),

Gene: Hokey_52 Start: 37707, Stop: 38588, Start Num: 57

Candidate Starts for Hokey_52:

(Start: 57 @37707 has 132 MA's), (Start: 63 @37719 has 3 MA's), (Start: 74 @37749 has 1 MA's), (85, 37806), (105, 37887), (107, 37911), (111, 37932), (114, 37944), (116, 37953), (122, 37992), (123, 37995), (129, 38022), (135, 38049), (138, 38061), (149, 38115), (156, 38151), (168, 38202), (175, 38250), (195, 38358), (205, 38397), (210, 38439), (217, 38478), (236, 38574), (238, 38580),

Gene: HorseRider_17 Start: 12402, Stop: 11581, Start Num: 55

Candidate Starts for HorseRider_17:

(Start: 55 @12402 has 3 MA's), (66, 12384), (81, 12315), (90, 12279), (94, 12267), (118, 12138), (123, 12114), (129, 12087), (136, 12057), (198, 11787), (211, 11724), (225, 11649), (226, 11643), (228, 11637),

Gene: HufflyPuff_54 Start: 38537, Stop: 39418, Start Num: 57

Candidate Starts for HufflyPuff_54:

(Start: 57 @38537 has 132 MA's), (Start: 63 @38549 has 3 MA's), (Start: 74 @38579 has 1 MA's), (85, 38636), (105, 38717), (107, 38741), (111, 38762), (114, 38774), (116, 38783), (122, 38822), (123, 38825), (129, 38852), (135, 38879), (138, 38891), (149, 38945), (156, 38981), (168, 39032), (175, 39080), (195, 39188), (205, 39227), (210, 39269), (217, 39308), (236, 39404), (238, 39410),

Gene: IHOP_50 Start: 37929, Stop: 38810, Start Num: 57

Candidate Starts for IHOP_50:

(Start: 57 @37929 has 132 MA's), (Start: 63 @37941 has 3 MA's), (Start: 74 @37971 has 1 MA's), (85, 38028), (105, 38109), (107, 38133), (111, 38154), (114, 38166), (116, 38175), (122, 38214), (123, 38217), (129, 38244), (135, 38271), (138, 38283), (149, 38337), (156, 38373), (168, 38424), (175, 38472), (195, 38580), (205, 38619), (210, 38661), (217, 38700), (236, 38796), (238, 38802),

Gene: Icee_52 Start: 37531, Stop: 38412, Start Num: 57

Candidate Starts for Icee_52:

(Start: 57 @37531 has 132 MA's), (Start: 63 @37543 has 3 MA's), (Start: 74 @37573 has 1 MA's), (85, 37630), (105, 37711), (107, 37735), (111, 37756), (114, 37768), (116, 37777), (122, 37816), (123, 37819), (129, 37846), (135, 37873), (138, 37885), (149, 37939), (156, 37975), (168, 38026), (175, 38074), (195, 38182), (205, 38221), (210, 38263), (217, 38302), (236, 38398), (238, 38404),

Gene: IdentityCrisis_34 Start: 26927, Stop: 26055, Start Num: 53

Candidate Starts for IdentityCrisis_34:

(Start: 15 @27017 has 21 MA's), (30, 26969), (42, 26948), (Start: 53 @26927 has 1 MA's), (82, 26840), (120, 26651), (126, 26627), (142, 26564), (147, 26543), (149, 26537), (154, 26510), (168, 26450), (176, 26402), (178, 26393), (182, 26381), (189, 26354), (194, 26327), (201, 26291), (212, 26231), (219, 26192), (221, 26189), (242, 26069),

Gene: Inca_49 Start: 36454, Stop: 37335, Start Num: 57

Candidate Starts for Inca_49:

(Start: 57 @36454 has 132 MA's), (Start: 63 @36466 has 3 MA's), (Start: 74 @36496 has 1 MA's), (85, 36553), (105, 36634), (107, 36658), (111, 36679), (114, 36691), (116, 36700), (122, 36739), (123, 36742), (129, 36769), (135, 36796), (138, 36808), (149, 36862), (156, 36898), (168, 36949), (175, 36997), (195, 37105), (205, 37144), (210, 37186), (217, 37225), (236, 37321), (238, 37327),

Gene: Island3_33 Start: 29011, Stop: 28055, Start Num: 28

Candidate Starts for Island3_33:

(Start: 28 @29011 has 35 MA's), (44, 28981), (Start: 60 @28948 has 13 MA's), (Start: 61 @28945 has 2 MA's), (85, 28873), (86, 28864), (99, 28813), (120, 28696), (121, 28693), (122, 28690), (129, 28660), (131, 28648), (135, 28633), (140, 28615), (147, 28588), (153, 28561), (154, 28555), (166, 28501), (169, 28477), (182, 28426), (201, 28342), (216, 28252), (221, 28240), (228, 28198), (250, 28069),

Gene: JakeTheSnake_36 Start: 25235, Stop: 25999, Start Num: 85

Candidate Starts for JakeTheSnake_36:

(39, 25094), (85, 25235), (119, 25409), (120, 25421), (155, 25568), (164, 25616), (176, 25676), (177, 25682), (178, 25685), (180, 25691), (183, 25724), (190, 25748), (191, 25766), (203, 25817), (230, 25976),

Gene: Jalloh_17 Start: 12198, Stop: 11377, Start Num: 55

Candidate Starts for Jalloh_17:

(Start: 55 @12198 has 3 MA's), (66, 12180), (81, 12111), (90, 12075), (94, 12063), (118, 11934), (123, 11910), (129, 11883), (136, 11853), (198, 11583), (211, 11520), (228, 11433),

Gene: Jambalaya_47 Start: 39156, Stop: 38221, Start Num: 15

Candidate Starts for Jambalaya_47:

(Start: 15 @39156 has 21 MA's), (Start: 31 @39108 has 5 MA's), (Start: 33 @39105 has 2 MA's), (Start: 43 @39087 has 4 MA's), (Start: 47 @39078 has 1 MA's), (86, 38946), (125, 38763), (128, 38751), (135, 38718), (147, 38676), (158, 38625), (165, 38586), (207, 38382), (209, 38373), (218, 38313), (228, 38265), (229, 38250), (232, 38238),

Gene: Jamie19_33 Start: 27788, Stop: 26817, Start Num: 17

Candidate Starts for Jamie19_33:

(Start: 17 @27788 has 31 MA's), (Start: 52 @27704 has 4 MA's), (Start: 58 @27689 has 1 MA's), (95, 27566), (99, 27542), (120, 27425), (121, 27422), (126, 27401), (135, 27362), (136, 27359), (137, 27353), (142, 27338), (147, 27317), (151, 27302), (162, 27245), (165, 27233), (172, 27194), (178, 27167), (182, 27155), (189, 27128), (196, 27089), (201, 27065), (206, 27050), (228, 26921), (229, 26906), (240, 26867),

Gene: JeTaime_53 Start: 38357, Stop: 39238, Start Num: 57

Candidate Starts for JeTaime_53:

(Start: 57 @38357 has 132 MA's), (Start: 63 @38369 has 3 MA's), (Start: 74 @38399 has 1 MA's), (85, 38456), (105, 38537), (107, 38561), (111, 38582), (114, 38594), (116, 38603), (122, 38642), (123, 38645), (129, 38672), (135, 38699), (138, 38711), (149, 38765), (156, 38801), (168, 38852), (175, 38900), (195, 39008), (205, 39047), (210, 39089), (217, 39128), (236, 39224), (238, 39230),

Gene: Jeanie_18 Start: 13573, Stop: 12677, Start Num: 23

Candidate Starts for Jeanie_18:

(Start: 23 @13573 has 2 MA's), (37, 13540), (Start: 60 @13492 has 13 MA's), (Start: 64 @13486 has 1 MA's), (89, 13381), (99, 13339), (110, 13291), (113, 13273), (116, 13258), (138, 13150), (139, 13147), (147, 13120), (148, 13117), (158, 13069), (168, 13021), (172, 12991), (200, 12877), (216, 12793), (222, 12766), (233, 12709),

Gene: Jebeks_30 Start: 26796, Stop: 25903, Start Num: 60

Candidate Starts for Jebeks_30:

(Start: 28 @26859 has 35 MA's), (44, 26829), (Start: 60 @26796 has 13 MA's), (Start: 61 @26793 has 2 MA's), (85, 26721), (86, 26712), (99, 26661), (120, 26544), (121, 26541), (122, 26538), (129, 26508), (131, 26496), (135, 26481), (140, 26463), (147, 26436), (153, 26409), (154, 26403), (166, 26349), (168, 26343), (182, 26274), (201, 26190), (216, 26100), (221, 26088), (228, 26046), (250, 25917),

Gene: JohnPork_50 Start: 39169, Stop: 38234, Start Num: 15

Candidate Starts for JohnPork_50:

(Start: 15 @39169 has 21 MA's), (Start: 31 @39121 has 5 MA's), (Start: 33 @39118 has 2 MA's), (Start: 43 @39100 has 4 MA's), (Start: 47 @39091 has 1 MA's), (86, 38959), (125, 38776), (128, 38764), (134, 38734), (135, 38731), (147, 38689), (158, 38638), (165, 38599), (207, 38395), (209, 38386), (218, 38326), (228, 38278), (229, 38263), (232, 38251),

Gene: Journey_34 Start: 27409, Stop: 26438, Start Num: 17

Candidate Starts for Journey_34:

(Start: 17 @27409 has 31 MA's), (19, 27400), (Start: 52 @27325 has 4 MA's), (Start: 58 @27310 has 1 MA's), (95, 27187), (99, 27163), (120, 27046), (121, 27043), (126, 27022), (135, 26983), (136, 26980), (137, 26974), (142, 26959), (147, 26938), (151, 26923), (162, 26866), (165, 26854), (172, 26815), (178, 26788), (182, 26776), (189, 26749), (196, 26710), (201, 26686), (206, 26671), (228, 26542), (240, 26488), (245, 26455),

Gene: Jumbo_69 Start: 59172, Stop: 58372, Start Num: 65

Candidate Starts for Jumbo_69:

(Start: 65 @59172 has 1 MA's), (133, 58866), (144, 58824), (158, 58764), (173, 58686), (184, 58626), (197, 58563), (212, 58500), (215, 58470), (222, 58440), (232, 58386),

Gene: Jung_29 Start: 26776, Stop: 25883, Start Num: 60

Candidate Starts for Jung_29:

(Start: 28 @26839 has 35 MA's), (Start: 60 @26776 has 13 MA's), (Start: 61 @26773 has 2 MA's), (85, 26701), (86, 26692), (99, 26641), (120, 26524), (121, 26521), (122, 26518), (129, 26488), (131, 26476), (135, 26461), (140, 26443), (147, 26416), (153, 26389), (154, 26383), (166, 26329), (169, 26305), (182, 26254), (201, 26170), (216, 26080), (221, 26068), (228, 26026), (250, 25897),

Gene: Juniormint_30 Start: 26911, Stop: 25955, Start Num: 28

Candidate Starts for Juniormint_30:

(Start: 28 @26911 has 35 MA's), (Start: 60 @26848 has 13 MA's), (Start: 61 @26845 has 2 MA's), (85, 26773), (86, 26764), (99, 26713), (120, 26596), (121, 26593), (122, 26590), (129, 26560), (131, 26548), (135, 26533), (140, 26515), (147, 26488), (153, 26461), (154, 26455), (166, 26401), (182, 26326), (201, 26242), (216, 26152), (221, 26140), (228, 26098), (250, 25969),

Gene: JustASigh_45 Start: 34059, Stop: 33148, Start Num: 20

Candidate Starts for JustASigh_45:

(Start: 20 @34059 has 1 MA's), (49, 33999), (Start: 52 @33996 has 4 MA's), (Start: 56 @33984 has 1 MA's), (80, 33900), (86, 33873), (90, 33861), (96, 33840), (136, 33642), (147, 33603), (168, 33510), (207, 33312), (209, 33303), (218, 33243), (222, 33222), (232, 33168),

Gene: Kampe_71 Start: 57027, Stop: 56266, Start Num: 69

Candidate Starts for Kampe_71:

(26, 57117), (41, 57087), (Start: 48 @57069 has 3 MA's), (Start: 69 @57027 has 4 MA's), (81, 56958), (109, 56856), (110, 56853), (126, 56769), (130, 56751), (135, 56730), (137, 56721), (143, 56703), (148, 56682), (167, 56601), (177, 56544), (209, 56412), (212, 56388), (215, 56361), (221, 56346), (226, 56310), (228, 56304), (232, 56277), (234, 56271),

Gene: Kanye_48 Start: 37217, Stop: 38098, Start Num: 57

Candidate Starts for Kanye_48:

(Start: 57 @37217 has 132 MA's), (Start: 63 @37229 has 3 MA's), (Start: 74 @37259 has 1 MA's), (85, 37316), (105, 37397), (107, 37421), (111, 37442), (114, 37454), (116, 37463), (122, 37502), (123, 37505), (129, 37532), (135, 37559), (138, 37571), (149, 37625), (156, 37661), (168, 37712), (175, 37760), (195, 37868), (205, 37907), (210, 37949), (217, 37988), (236, 38084), (238, 38090),

Gene: Kari_30 Start: 26806, Stop: 25916, Start Num: 61

Candidate Starts for Kari_30:

(Start: 28 @26872 has 35 MA's), (44, 26842), (Start: 60 @26809 has 13 MA's), (Start: 61 @26806 has 2 MA's), (85, 26734), (86, 26725), (88, 26719), (99, 26674), (120, 26557), (121, 26554), (122, 26551), (129, 26521), (131, 26509), (135, 26494), (140, 26476), (147, 26449), (153, 26422), (154, 26416), (166, 26362), (168, 26356), (182, 26287), (201, 26203), (212, 26143), (221, 26101), (228, 26059), (250, 25930),

Gene: KilKor_30 Start: 27132, Stop: 26176, Start Num: 28

Candidate Starts for KilKor_30:

(Start: 28 @27132 has 35 MA's), (Start: 60 @27069 has 13 MA's), (Start: 61 @27066 has 2 MA's), (85, 26994), (86, 26985), (99, 26934), (120, 26817), (121, 26814), (122, 26811), (129, 26781), (131, 26769), (135, 26754), (140, 26736), (147, 26709), (153, 26682), (154, 26676), (166, 26622), (168, 26616), (169, 26598), (182, 26547), (201, 26463), (216, 26373), (221, 26361), (228, 26319), (250, 26190),

Gene: Kimchi_55 Start: 37866, Stop: 38747, Start Num: 57

Candidate Starts for Kimchi_55:

(Start: 57 @37866 has 132 MA's), (Start: 63 @37878 has 3 MA's), (Start: 74 @37908 has 1 MA's), (85, 37965), (105, 38046), (107, 38070), (111, 38091), (114, 38103), (116, 38112), (122, 38151), (123, 38154), (129, 38181), (135, 38208), (138, 38220), (149, 38274), (156, 38310), (168, 38361), (175, 38409), (195, 38517), (205, 38556), (210, 38598), (217, 38637), (236, 38733), (238, 38739),

Gene: KimmyK_48 Start: 40022, Stop: 39156, Start Num: 43

Candidate Starts for KimmyK_48:

(Start: 15 @40091 has 21 MA's), (Start: 31 @40043 has 5 MA's), (Start: 33 @40040 has 2 MA's), (Start: 43 @40022 has 4 MA's), (Start: 47 @40013 has 1 MA's), (86, 39881), (125, 39698), (128, 39686), (135, 39653), (147, 39611), (158, 39560), (165, 39521), (207, 39317), (209, 39308), (218, 39248), (228, 39200), (229, 39185), (232, 39173),

Gene: Kostya_53 Start: 38070, Stop: 38909, Start Num: 74

Candidate Starts for Kostya_53:

(Start: 57 @38028 has 132 MA's), (Start: 63 @38040 has 3 MA's), (Start: 74 @38070 has 1 MA's), (85, 38127), (105, 38208), (107, 38232), (111, 38253), (114, 38265), (116, 38274), (122, 38313), (123, 38316), (129, 38343), (135, 38370), (138, 38382), (149, 38436), (156, 38472), (168, 38523), (175, 38571), (195, 38679), (205, 38718), (210, 38760), (217, 38799), (236, 38895), (238, 38901),

Gene: Kromp_36 Start: 29237, Stop: 28317, Start Num: 50

Candidate Starts for Kromp_36:

(Start: 50 @29237 has 1 MA's), (62, 29210), (79, 29132), (97, 29051), (150, 28787), (158, 28748), (166, 28712), (188, 28589), (217, 28427), (220, 28421), (224, 28397),

Gene: Ksquared_30 Start: 26889, Stop: 25933, Start Num: 28

Candidate Starts for Ksquared_30:

(Start: 28 @26889 has 35 MA's), (Start: 60 @26826 has 13 MA's), (Start: 61 @26823 has 2 MA's), (85, 26751), (86, 26742), (99, 26691), (120, 26574), (121, 26571), (122, 26568), (129, 26538), (131, 26526), (135, 26511), (140, 26493), (147, 26466), (153, 26439), (154, 26433), (166, 26379), (182, 26304), (201, 26220), (216, 26130), (221, 26118), (228, 26076), (250, 25947),

Gene: Langerak_30 Start: 26891, Stop: 25902, Start Num: 28

Candidate Starts for Langerak_30:

(Start: 28 @26891 has 35 MA's), (44, 26861), (Start: 60 @26828 has 13 MA's), (Start: 61 @26825 has 2 MA's), (71, 26795), (72, 26792), (85, 26720), (86, 26711), (88, 26705), (99, 26660), (120, 26543),

(121, 26540), (122, 26537), (129, 26507), (131, 26495), (135, 26480), (140, 26462), (147, 26435), (153, 26408), (154, 26402), (166, 26348), (168, 26342), (169, 26324), (182, 26273), (201, 26189), (212, 26129), (221, 26087), (228, 26045), (250, 25916),

Gene: Lilac_55 Start: 37492, Stop: 38373, Start Num: 57

Candidate Starts for Lilac_55:

(Start: 57 @37492 has 132 MA's), (Start: 63 @37504 has 3 MA's), (Start: 74 @37534 has 1 MA's), (85, 37591), (105, 37672), (107, 37696), (111, 37717), (114, 37729), (116, 37738), (122, 37777), (123, 37780), (129, 37807), (135, 37834), (138, 37846), (149, 37900), (156, 37936), (168, 37987), (175, 38035), (195, 38143), (205, 38182), (210, 38224), (217, 38263), (236, 38359), (238, 38365),

Gene: Lilizi_52 Start: 37166, Stop: 38047, Start Num: 57

Candidate Starts for Lilizi_52:

(Start: 57 @37166 has 132 MA's), (Start: 63 @37178 has 3 MA's), (Start: 74 @37208 has 1 MA's), (85, 37265), (105, 37346), (107, 37370), (111, 37391), (114, 37403), (116, 37412), (122, 37451), (123, 37454), (129, 37481), (135, 37508), (138, 37520), (149, 37574), (156, 37610), (168, 37661), (175, 37709), (195, 37817), (205, 37856), (210, 37898), (217, 37937), (236, 38033), (238, 38039),

Gene: Lilpickle_52 Start: 37383, Stop: 38264, Start Num: 57

Candidate Starts for Lilpickle_52:

(Start: 57 @37383 has 132 MA's), (Start: 63 @37395 has 3 MA's), (Start: 74 @37425 has 1 MA's), (85, 37482), (105, 37563), (107, 37587), (111, 37608), (114, 37620), (116, 37629), (122, 37668), (123, 37671), (129, 37698), (135, 37725), (138, 37737), (149, 37791), (156, 37827), (168, 37878), (175, 37926), (195, 38034), (205, 38073), (210, 38115), (217, 38154), (236, 38250), (238, 38256),

Gene: Livelaughbron_56 Start: 38667, Stop: 39548, Start Num: 57

Candidate Starts for Livelaughbron_56:

(Start: 57 @38667 has 132 MA's), (Start: 63 @38679 has 3 MA's), (Start: 74 @38709 has 1 MA's), (85, 38766), (105, 38847), (107, 38871), (111, 38892), (114, 38904), (116, 38913), (122, 38952), (123, 38955), (129, 38982), (135, 39009), (138, 39021), (149, 39075), (156, 39111), (168, 39162), (175, 39210), (195, 39318), (205, 39357), (210, 39399), (217, 39438), (236, 39534), (238, 39540),

Gene: MISSy_52 Start: 37590, Stop: 38471, Start Num: 57

Candidate Starts for MISSy_52:

(Start: 57 @37590 has 132 MA's), (Start: 63 @37602 has 3 MA's), (Start: 74 @37632 has 1 MA's), (85, 37689), (105, 37770), (107, 37794), (111, 37815), (114, 37827), (116, 37836), (122, 37875), (123, 37878), (129, 37905), (135, 37932), (138, 37944), (149, 37998), (156, 38034), (168, 38085), (175, 38133), (195, 38241), (205, 38280), (210, 38322), (217, 38361), (236, 38457), (238, 38463),

Gene: MPhalcon_52 Start: 37583, Stop: 38464, Start Num: 57

Candidate Starts for MPhalcon_52:

(Start: 57 @37583 has 132 MA's), (Start: 63 @37595 has 3 MA's), (Start: 74 @37625 has 1 MA's), (85, 37682), (105, 37763), (107, 37787), (111, 37808), (114, 37820), (116, 37829), (122, 37868), (123, 37871), (129, 37898), (135, 37925), (138, 37937), (149, 37991), (156, 38027), (168, 38078), (175, 38126), (195, 38234), (205, 38273), (210, 38315), (217, 38354), (236, 38450), (238, 38456),

Gene: MadamMonkfish_52 Start: 37107, Stop: 37988, Start Num: 57

Candidate Starts for MadamMonkfish_52:

(Start: 57 @37107 has 132 MA's), (Start: 63 @37119 has 3 MA's), (Start: 74 @37149 has 1 MA's), (85, 37206), (105, 37287), (107, 37311), (111, 37332), (114, 37344), (116, 37353), (122, 37392), (123, 37395), (129, 37422), (135, 37449), (138, 37461), (149, 37515), (156, 37551), (168, 37602), (175, 37650), (195, 37758), (205, 37797), (210, 37839), (217, 37878), (236, 37974), (238, 37980),

Gene: Magsby_36 Start: 28735, Stop: 27764, Start Num: 17

Candidate Starts for Magsby_36:

(Start: 17 @28735 has 31 MA's), (Start: 52 @28651 has 4 MA's), (Start: 58 @28636 has 1 MA's), (95, 28513), (99, 28489), (120, 28372), (121, 28369), (126, 28348), (135, 28309), (136, 28306), (137, 28300), (142, 28285), (147, 28264), (151, 28249), (162, 28192), (165, 28180), (172, 28141), (178, 28114), (182, 28102), (189, 28075), (196, 28036), (201, 28012), (206, 27997), (228, 27868), (229, 27853), (240, 27814),

Gene: Majeke_30 Start: 26913, Stop: 25924, Start Num: 28

Candidate Starts for Majeke_30:

(Start: 28 @26913 has 35 MA's), (44, 26883), (Start: 60 @26850 has 13 MA's), (Start: 61 @26847 has 2 MA's), (71, 26817), (72, 26814), (85, 26742), (86, 26733), (88, 26727), (99, 26682), (120, 26565), (121, 26562), (122, 26559), (129, 26529), (131, 26517), (135, 26502), (140, 26484), (147, 26457), (153, 26430), (154, 26424), (166, 26370), (168, 26364), (169, 26346), (182, 26295), (201, 26211), (212, 26151), (221, 26109), (228, 26067), (250, 25938),

Gene: Malithi_30 Start: 26799, Stop: 25843, Start Num: 28

Candidate Starts for Malithi_30:

(Start: 28 @26799 has 35 MA's), (44, 26769), (Start: 60 @26736 has 13 MA's), (Start: 61 @26733 has 2 MA's), (85, 26661), (86, 26652), (99, 26601), (120, 26484), (121, 26481), (122, 26478), (129, 26448), (131, 26436), (135, 26421), (140, 26403), (147, 26376), (153, 26349), (154, 26343), (166, 26289), (169, 26265), (182, 26214), (201, 26130), (216, 26040), (221, 26028), (228, 25986), (250, 25857),

Gene: Manda_52 Start: 38388, Stop: 39269, Start Num: 57

Candidate Starts for Manda_52:

(Start: 57 @38388 has 132 MA's), (Start: 63 @38400 has 3 MA's), (Start: 74 @38430 has 1 MA's), (85, 38487), (105, 38568), (107, 38592), (111, 38613), (114, 38625), (116, 38634), (122, 38673), (123, 38676), (129, 38703), (135, 38730), (138, 38742), (149, 38796), (156, 38832), (168, 38883), (175, 38931), (195, 39039), (205, 39078), (210, 39120), (217, 39159), (236, 39255), (238, 39261),

Gene: Mangethe_30 Start: 26913, Stop: 25924, Start Num: 28

Candidate Starts for Mangethe_30:

(Start: 28 @26913 has 35 MA's), (44, 26883), (Start: 60 @26850 has 13 MA's), (Start: 61 @26847 has 2 MA's), (71, 26817), (72, 26814), (85, 26742), (86, 26733), (88, 26727), (99, 26682), (120, 26565), (121, 26562), (122, 26559), (129, 26529), (131, 26517), (135, 26502), (140, 26484), (147, 26457), (153, 26430), (154, 26424), (166, 26370), (168, 26364), (169, 26346), (182, 26295), (201, 26211), (212, 26151), (221, 26109), (228, 26067), (250, 25938),

Gene: Manilisa_34 Start: 29753, Stop: 28863, Start Num: 48

Candidate Starts for Manilisa_34:

(Start: 48 @29753 has 3 MA's), (84, 29648), (85, 29645), (92, 29618), (99, 29585), (119, 29480), (120, 29468), (135, 29405), (142, 29381), (146, 29363), (147, 29360), (168, 29267), (170, 29246), (174, 29222), (182, 29198), (189, 29171), (201, 29108), (215, 29021), (221, 29006), (228, 28964), (237, 28919),

Gene: Marshmallow_51 Start: 38363, Stop: 39244, Start Num: 57

Candidate Starts for Marshmallow_51:

(Start: 57 @38363 has 132 MA's), (Start: 63 @38375 has 3 MA's), (Start: 74 @38405 has 1 MA's), (85, 38462), (105, 38543), (107, 38567), (111, 38588), (114, 38600), (116, 38609), (122, 38648), (123, 38651), (129, 38678), (135, 38705), (138, 38717), (149, 38771), (156, 38807), (168, 38858), (175, 38906), (195, 39014), (205, 39053), (210, 39095), (217, 39134), (236, 39230), (238, 39236),

Gene: Maxxinista_55 Start: 37462, Stop: 38343, Start Num: 57

Candidate Starts for Maxxinista_55:

(Start: 57 @37462 has 132 MA's), (Start: 63 @37474 has 3 MA's), (Start: 74 @37504 has 1 MA's), (85, 37561), (105, 37642), (107, 37666), (111, 37687), (114, 37699), (116, 37708), (122, 37747), (123, 37750), (129, 37777), (135, 37804), (138, 37816), (149, 37870), (156, 37906), (168, 37957), (175, 38005), (195, 38113), (205, 38152), (210, 38194), (217, 38233), (236, 38329), (238, 38335),

Gene: Mbo2_72 Start: 53083, Stop: 52283, Start Num: 63

Candidate Starts for Mbo2_72:

(32, 53146), (Start: 63 @53083 has 3 MA's), (85, 52990), (93, 52960), (106, 52900), (116, 52843), (128, 52786), (135, 52753), (137, 52744), (145, 52714), (161, 52642), (179, 52558), (181, 52549), (187, 52522), (193, 52489), (204, 52444), (214, 52381), (216, 52375), (232, 52294),

Gene: McGonagall_18 Start: 13573, Stop: 12677, Start Num: 23

Candidate Starts for McGonagall_18:

(Start: 23 @13573 has 2 MA's), (37, 13540), (Start: 60 @13492 has 13 MA's), (Start: 64 @13486 has 1 MA's), (89, 13381), (99, 13339), (110, 13291), (113, 13273), (116, 13258), (138, 13150), (139, 13147), (147, 13120), (148, 13117), (158, 13069), (168, 13021), (172, 12991), (200, 12877), (216, 12793), (222, 12766), (233, 12709),

Gene: Megiddo_30 Start: 27132, Stop: 26176, Start Num: 28

Candidate Starts for Megiddo_30:

(Start: 28 @27132 has 35 MA's), (Start: 60 @27069 has 13 MA's), (Start: 61 @27066 has 2 MA's), (85, 26994), (86, 26985), (99, 26934), (120, 26817), (121, 26814), (122, 26811), (129, 26781), (131, 26769), (135, 26754), (140, 26736), (147, 26709), (153, 26682), (154, 26676), (166, 26622), (168, 26616), (169, 26598), (182, 26547), (201, 26463), (216, 26373), (221, 26361), (228, 26319), (250, 26190),

Gene: Melville_38 Start: 28719, Stop: 27748, Start Num: 17

Candidate Starts for Melville_38:

(Start: 17 @28719 has 31 MA's), (Start: 52 @28635 has 4 MA's), (Start: 58 @28620 has 1 MA's), (95, 28497), (99, 28473), (120, 28356), (121, 28353), (126, 28332), (135, 28293), (136, 28290), (137, 28284), (142, 28269), (147, 28248), (151, 28233), (162, 28176), (165, 28164), (172, 28125), (178, 28098), (182, 28086), (189, 28059), (196, 28020), (201, 27996), (206, 27981), (228, 27852), (229, 27837), (240, 27798),

Gene: Meyran_33 Start: 30330, Stop: 29470, Start Num: 48

Candidate Starts for Meyran_33:

(7, 30474), (Start: 18 @30408 has 1 MA's), (Start: 48 @30330 has 3 MA's), (84, 30225), (92, 30195), (99, 30162), (120, 30045), (142, 29958), (146, 29940), (147, 29937), (168, 29844), (172, 29814), (174, 29799), (182, 29775), (189, 29748), (201, 29685), (215, 29598), (221, 29583), (228, 29541), (237, 29496),

Gene: MichelleMyBell_34 Start: 27726, Stop: 26755, Start Num: 17

Candidate Starts for MichelleMyBell_34:

(Start: 17 @27726 has 31 MA's), (Start: 52 @27642 has 4 MA's), (Start: 58 @27627 has 1 MA's), (95, 27504), (99, 27480), (120, 27363), (121, 27360), (126, 27339), (135, 27300), (136, 27297), (137, 27291), (142, 27276), (147, 27255), (151, 27240), (162, 27183), (165, 27171), (172, 27132), (178, 27105), (182, 27093), (189, 27066), (196, 27027), (201, 27003), (206, 26988), (228, 26859), (229, 26844), (240, 26805),

Gene: Mindy_51 Start: 36971, Stop: 37852, Start Num: 57

Candidate Starts for Mindy_51:

(Start: 57 @36971 has 132 MA's), (Start: 63 @36983 has 3 MA's), (Start: 74 @37013 has 1 MA's), (85, 37070), (105, 37151), (107, 37175), (111, 37196), (114, 37208), (116, 37217), (122, 37256), (123, 37259), (129, 37286), (135, 37313), (138, 37325), (149, 37379), (156, 37415), (168, 37466), (175, 37514), (195, 37622), (205, 37661), (210, 37703), (217, 37742), (236, 37838), (238, 37844),

Gene: Miniwave_49 Start: 37424, Stop: 38305, Start Num: 57

Candidate Starts for Miniwave_49:

(Start: 57 @37424 has 132 MA's), (Start: 63 @37436 has 3 MA's), (Start: 74 @37466 has 1 MA's), (85, 37523), (105, 37604), (107, 37628), (111, 37649), (114, 37661), (116, 37670), (122, 37709), (123, 37712), (129, 37739), (135, 37766), (138, 37778), (149, 37832), (156, 37868), (168, 37919), (175, 37967), (195, 38075), (205, 38114), (210, 38156), (217, 38195), (236, 38291), (238, 38297),

Gene: Misfit_54 Start: 38602, Stop: 39483, Start Num: 57

Candidate Starts for Misfit_54:

(Start: 57 @38602 has 132 MA's), (Start: 63 @38614 has 3 MA's), (Start: 74 @38644 has 1 MA's), (85, 38701), (105, 38782), (107, 38806), (111, 38827), (114, 38839), (116, 38848), (122, 38887), (123, 38890), (129, 38917), (135, 38944), (138, 38956), (149, 39010), (156, 39046), (168, 39097), (175, 39145), (195, 39253), (205, 39292), (210, 39334), (217, 39373), (236, 39469), (238, 39475),

Gene: Moldemort_55 Start: 37980, Stop: 38861, Start Num: 57

Candidate Starts for Moldemort_55:

(Start: 57 @37980 has 132 MA's), (Start: 63 @37992 has 3 MA's), (Start: 74 @38022 has 1 MA's), (85, 38079), (105, 38160), (107, 38184), (111, 38205), (114, 38217), (116, 38226), (122, 38265), (123, 38268), (129, 38295), (135, 38322), (138, 38334), (149, 38388), (156, 38424), (168, 38475), (175, 38523), (195, 38631), (205, 38670), (210, 38712), (217, 38751), (236, 38847), (238, 38853),

Gene: MollyToe_47 Start: 36431, Stop: 37312, Start Num: 57

Candidate Starts for MollyToe_47:

(Start: 57 @36431 has 132 MA's), (Start: 63 @36443 has 3 MA's), (Start: 74 @36473 has 1 MA's), (85, 36530), (105, 36611), (107, 36635), (111, 36656), (114, 36668), (116, 36677), (122, 36716), (123, 36719), (129, 36746), (135, 36773), (138, 36785), (149, 36839), (156, 36875), (168, 36926), (175, 36974), (195, 37082), (205, 37121), (210, 37163), (217, 37202), (236, 37298), (238, 37304),

Gene: Mosby_48 Start: 36885, Stop: 37766, Start Num: 57

Candidate Starts for Mosby_48:

(Start: 57 @36885 has 132 MA's), (Start: 63 @36897 has 3 MA's), (Start: 74 @36927 has 1 MA's), (85, 36984), (105, 37065), (107, 37089), (111, 37110), (114, 37122), (116, 37131), (122, 37170), (123, 37173), (129, 37200), (135, 37227), (138, 37239), (149, 37293), (156, 37329), (168, 37380), (175, 37428), (195, 37536), (205, 37575), (210, 37617), (217, 37656), (236, 37752), (238, 37758),

Gene: Murica_54 Start: 38537, Stop: 39418, Start Num: 57

Candidate Starts for Murica_54:

(Start: 57 @38537 has 132 MA's), (Start: 63 @38549 has 3 MA's), (Start: 74 @38579 has 1 MA's), (85, 38636), (105, 38717), (107, 38741), (111, 38762), (114, 38774), (116, 38783), (122, 38822), (123, 38825), (129, 38852), (135, 38879), (138, 38891), (149, 38945), (156, 38981), (168, 39032), (175, 39080), (195, 39188), (205, 39227), (210, 39269), (217, 39308), (236, 39404), (238, 39410),

Gene: Murphy_54 Start: 37974, Stop: 38855, Start Num: 57

Candidate Starts for Murphy_54:

(Start: 57 @37974 has 132 MA's), (Start: 63 @37986 has 3 MA's), (Start: 74 @38016 has 1 MA's), (85, 38073), (105, 38154), (107, 38178), (111, 38199), (114, 38211), (116, 38220), (122, 38259), (123, 38262), (129, 38289), (135, 38316), (138, 38328), (149, 38382), (156, 38418), (168, 38469), (175, 38517), (195, 38625), (205, 38664), (210, 38706), (217, 38745), (236, 38841), (238, 38847),

Gene: Mutzi_47 Start: 40485, Stop: 39550, Start Num: 15

Candidate Starts for Mutzi_47:

(Start: 15 @40485 has 21 MA's), (Start: 31 @40437 has 5 MA's), (Start: 33 @40434 has 2 MA's), (Start: 43 @40416 has 4 MA's), (Start: 47 @40407 has 1 MA's), (86, 40275), (125, 40092), (128, 40080), (135, 40047), (147, 40005), (158, 39954), (165, 39915), (207, 39711), (209, 39702), (218, 39642), (228, 39594), (229, 39579), (232, 39567),

Gene: Myrale_52 Start: 38228, Stop: 39109, Start Num: 57

Candidate Starts for Myrale_52:

(Start: 57 @38228 has 132 MA's), (Start: 63 @38240 has 3 MA's), (Start: 74 @38270 has 1 MA's), (85, 38327), (105, 38408), (107, 38432), (111, 38453), (114, 38465), (116, 38474), (122, 38513), (123, 38516), (129, 38543), (135, 38570), (138, 38582), (149, 38636), (156, 38672), (168, 38723), (175, 38771), (195, 38879), (205, 38918), (210, 38960), (217, 38999), (236, 39095), (238, 39101),

Gene: Nala_53 Start: 38095, Stop: 38976, Start Num: 57

Candidate Starts for Nala_53:

(Start: 57 @38095 has 132 MA's), (Start: 63 @38107 has 3 MA's), (Start: 74 @38137 has 1 MA's), (85, 38194), (105, 38275), (107, 38299), (111, 38320), (114, 38332), (116, 38341), (122, 38380), (123, 38383), (129, 38410), (135, 38437), (138, 38449), (149, 38503), (156, 38539), (168, 38590), (175, 38638), (195, 38746), (205, 38785), (210, 38827), (217, 38866), (236, 38962), (238, 38968),

Gene: Nazo_34 Start: 28936, Stop: 28034, Start Num: 55

Candidate Starts for Nazo_34:

(42, 28963), (Start: 55 @28936 has 3 MA's), (Start: 60 @28927 has 13 MA's), (85, 28852), (86, 28843), (120, 28675), (121, 28672), (122, 28669), (129, 28639), (131, 28627), (135, 28612), (140, 28594), (147, 28567), (153, 28540), (154, 28534), (166, 28480), (169, 28456), (178, 28417), (182, 28405), (201, 28321), (206, 28306), (208, 28288), (221, 28219), (228, 28177), (241, 28108), (250, 28048),

Gene: Necropolis_30 Start: 26871, Stop: 25915, Start Num: 28

Candidate Starts for Necropolis_30:

(Start: 28 @26871 has 35 MA's), (44, 26841), (Start: 60 @26808 has 13 MA's), (Start: 61 @26805 has 2 MA's), (85, 26733), (86, 26724), (88, 26718), (99, 26673), (120, 26556), (121, 26553), (122, 26550), (129, 26520), (131, 26508), (135, 26493), (140, 26475), (147, 26448), (153, 26421), (154, 26415), (166, 26361), (169, 26337), (182, 26286), (201, 26202), (216, 26112), (221, 26100), (228, 26058), (250, 25929),

Gene: NelitzaMV_49 Start: 37172, Stop: 38053, Start Num: 57

Candidate Starts for NelitzaMV_49:

(Start: 57 @37172 has 132 MA's), (Start: 63 @37184 has 3 MA's), (Start: 74 @37214 has 1 MA's), (85, 37271), (105, 37352), (107, 37376), (111, 37397), (114, 37409), (116, 37418), (122, 37457), (123, 37460), (129, 37487), (135, 37514), (138, 37526), (149, 37580), (156, 37616), (168, 37667), (175, 37715), (195, 37823), (205, 37862), (210, 37904), (217, 37943), (236, 38039), (238, 38045),

Gene: Nimrod_55 Start: 38795, Stop: 39676, Start Num: 57

Candidate Starts for Nimrod_55:

(Start: 57 @38795 has 132 MA's), (Start: 63 @38807 has 3 MA's), (Start: 74 @38837 has 1 MA's), (85, 38894), (105, 38975), (107, 38999), (111, 39020), (114, 39032), (116, 39041), (122, 39080), (123, 39083), (129, 39110), (135, 39137), (138, 39149), (149, 39203), (156, 39239), (168, 39290), (175, 39338), (195, 39446), (205, 39485), (210, 39527), (217, 39566), (236, 39662), (238, 39668),

Gene: NoSleep_54 Start: 37734, Stop: 38615, Start Num: 57

Candidate Starts for NoSleep_54:

(Start: 57 @37734 has 132 MA's), (Start: 63 @37746 has 3 MA's), (Start: 74 @37776 has 1 MA's), (85, 37833), (105, 37914), (107, 37938), (111, 37959), (114, 37971), (116, 37980), (122, 38019), (123, 38022), (129, 38049), (135, 38076), (138, 38088), (149, 38142), (156, 38178), (168, 38229), (175, 38277), (195, 38385), (205, 38424), (210, 38466), (217, 38505), (236, 38601), (238, 38607),

Gene: NonchalantPear_53 Start: 37578, Stop: 38459, Start Num: 57

Candidate Starts for NonchalantPear_53:

(Start: 57 @37578 has 132 MA's), (Start: 63 @37590 has 3 MA's), (Start: 74 @37620 has 1 MA's), (85, 37677), (105, 37758), (107, 37782), (111, 37803), (114, 37815), (116, 37824), (122, 37863), (123, 37866), (129, 37893), (135, 37920), (138, 37932), (149, 37986), (156, 38022), (168, 38073), (175, 38121), (195, 38229), (205, 38268), (210, 38310), (217, 38349), (236, 38445), (238, 38451),

Gene: Nubi_47 Start: 39482, Stop: 38547, Start Num: 15

Candidate Starts for Nubi_47:

(Start: 15 @39482 has 21 MA's), (Start: 31 @39434 has 5 MA's), (Start: 33 @39431 has 2 MA's), (Start: 43 @39413 has 4 MA's), (Start: 47 @39404 has 1 MA's), (86, 39272), (125, 39089), (128, 39077), (135, 39044), (147, 39002), (158, 38951), (165, 38912), (207, 38708), (209, 38699), (218, 38639), (228, 38591), (229, 38576), (232, 38564),

Gene: Orchid_70 Start: 57028, Stop: 56267, Start Num: 69

Candidate Starts for Orchid_70:

(26, 57118), (41, 57088), (Start: 48 @57070 has 3 MA's), (Start: 69 @57028 has 4 MA's), (81, 56959), (109, 56857), (110, 56854), (126, 56770), (130, 56752), (135, 56731), (137, 56722), (143, 56704), (148, 56683), (167, 56602), (177, 56545), (209, 56413), (212, 56389), (215, 56362), (221, 56347), (226, 56311), (228, 56305), (232, 56278), (234, 56272),

Gene: OrionPax_51 Start: 37179, Stop: 38060, Start Num: 57

Candidate Starts for OrionPax_51:

(Start: 57 @37179 has 132 MA's), (Start: 63 @37191 has 3 MA's), (Start: 74 @37221 has 1 MA's), (85, 37278), (105, 37359), (107, 37383), (111, 37404), (114, 37416), (116, 37425), (122, 37464), (123, 37467), (129, 37494), (135, 37521), (138, 37533), (149, 37587), (156, 37623), (168, 37674), (175, 37722), (195, 37830), (205, 37869), (210, 37911), (217, 37950), (236, 38046), (238, 38052),

Gene: PaddyBaddy_52 Start: 37186, Stop: 38067, Start Num: 57

Candidate Starts for PaddyBaddy_52:

(Start: 57 @37186 has 132 MA's), (Start: 63 @37198 has 3 MA's), (Start: 74 @37228 has 1 MA's), (85, 37285), (105, 37366), (107, 37390), (111, 37411), (114, 37423), (116, 37432), (122, 37471), (123, 37474), (129, 37501), (135, 37528), (138, 37540), (149, 37594), (156, 37630), (168, 37681), (175, 37729), (195, 37837), (205, 37876), (210, 37918), (217, 37957), (236, 38053), (238, 38059),

Gene: PaintedDog_39 Start: 30583, Stop: 29693, Start Num: 60

Candidate Starts for PaintedDog_39:

(Start: 28 @30646 has 35 MA's), (Start: 60 @30583 has 13 MA's), (86, 30499), (92, 30481), (120, 30331), (121, 30328), (122, 30325), (129, 30295), (131, 30283), (135, 30268), (137, 30259), (140, 30250), (147, 30223), (154, 30190), (166, 30136), (168, 30130), (178, 30073), (182, 30061), (201, 29977), (216, 29887), (221, 29875), (222, 29860), (228, 29833), (246, 29740), (248, 29737),

Gene: Paito_32 Start: 29040, Stop: 27946, Start Num: 5

Candidate Starts for Paito_32:

(Start: 5 @29040 has 1 MA's), (6, 29013), (8, 29007), (13, 28971), (37, 28899), (73, 28821), (92, 28734), (112, 28635), (131, 28536), (138, 28509), (139, 28506), (145, 28485), (147, 28479), (148, 28476), (156, 28437), (168, 28380), (179, 28320), (207, 28185), (209, 28176), (219, 28113), (222, 28095), (226, 28074), (231, 28044), (232, 28041), (234, 28038), (244, 27984),

Gene: Palpatine_55 Start: 38567, Stop: 39448, Start Num: 57

Candidate Starts for Palpatine_55:

(Start: 57 @38567 has 132 MA's), (Start: 63 @38579 has 3 MA's), (Start: 74 @38609 has 1 MA's), (85, 38666), (105, 38747), (107, 38771), (111, 38792), (114, 38804), (116, 38813), (122, 38852), (123, 38855), (129, 38882), (135, 38909), (138, 38921), (149, 38975), (156, 39011), (168, 39062), (175, 39110), (195, 39218), (205, 39257), (210, 39299), (217, 39338), (236, 39434), (238, 39440),

Gene: Panchino_32 Start: 29134, Stop: 28163, Start Num: 17

Candidate Starts for Panchino_32:

(Start: 17 @29134 has 31 MA's), (Start: 52 @29050 has 4 MA's), (Start: 58 @29035 has 1 MA's), (95, 28912), (99, 28888), (120, 28771), (121, 28768), (126, 28747), (135, 28708), (136, 28705), (137, 28699), (142, 28684), (147, 28663), (151, 28648), (162, 28591), (165, 28579), (172, 28540), (178, 28513), (182, 28501), (189, 28474), (196, 28435), (201, 28411), (206, 28396), (228, 28267), (229, 28252), (240, 28213),

Gene: Paperbeatsrock_51 Start: 38102, Stop: 38983, Start Num: 57

Candidate Starts for Paperbeatsrock_51:

(Start: 57 @38102 has 132 MA's), (Start: 63 @38114 has 3 MA's), (Start: 74 @38144 has 1 MA's), (85, 38201), (105, 38282), (107, 38306), (111, 38327), (114, 38339), (116, 38348), (122, 38387), (123, 38390), (129, 38417), (135, 38444), (138, 38456), (149, 38510), (156, 38546), (168, 38597), (175, 38645), (195, 38753), (205, 38792), (210, 38834), (217, 38873), (236, 38969), (238, 38975),

Gene: Parmesanjohn_36 Start: 28738, Stop: 27767, Start Num: 17

Candidate Starts for Parmesanjohn_36:

(Start: 17 @28738 has 31 MA's), (Start: 52 @28654 has 4 MA's), (Start: 58 @28639 has 1 MA's), (95, 28516), (99, 28492), (120, 28375), (121, 28372), (126, 28351), (135, 28312), (136, 28309), (137, 28303), (142, 28288), (147, 28267), (151, 28252), (162, 28195), (165, 28183), (172, 28144), (178, 28117), (182, 28105), (189, 28078), (196, 28039), (201, 28015), (206, 28000), (228, 27871), (229, 27856), (240, 27817),

Gene: Pat3_50 Start: 36332, Stop: 37213, Start Num: 57

Candidate Starts for Pat3_50:

(Start: 57 @36332 has 132 MA's), (Start: 63 @36344 has 3 MA's), (Start: 74 @36374 has 1 MA's), (85, 36431), (105, 36512), (107, 36536), (111, 36557), (114, 36569), (116, 36578), (122, 36617), (123, 36620), (129, 36647), (135, 36674), (138, 36686), (149, 36740), (156, 36776), (168, 36827), (175, 36875), (195, 36983), (205, 37022), (210, 37064), (217, 37103), (236, 37199), (238, 37205),

Gene: PatrickStar_71 Start: 57027, Stop: 56266, Start Num: 69

Candidate Starts for PatrickStar_71:

(26, 57117), (41, 57087), (Start: 48 @57069 has 3 MA's), (Start: 69 @57027 has 4 MA's), (81, 56958), (109, 56856), (110, 56853), (126, 56769), (130, 56751), (135, 56730), (137, 56721), (143, 56703), (148, 56682), (167, 56601), (177, 56544), (209, 56412), (212, 56388), (215, 56361), (221, 56346), (226, 56310), (228, 56304), (232, 56277), (234, 56271),

Gene: PeanutPie_30 Start: 26808, Stop: 25915, Start Num: 60

Candidate Starts for PeanutPie_30:

(Start: 28 @26871 has 35 MA's), (Start: 60 @26808 has 13 MA's), (Start: 61 @26805 has 2 MA's), (85, 26733), (86, 26724), (99, 26673), (120, 26556), (121, 26553), (122, 26550), (129, 26520), (131, 26508), (135, 26493), (140, 26475), (147, 26448), (153, 26421), (154, 26415), (166, 26361), (182, 26286), (201, 26202), (216, 26112), (221, 26100), (228, 26058), (250, 25929),

Gene: Petra64142_57 Start: 39031, Stop: 39912, Start Num: 57

Candidate Starts for Petra64142_57:

(Start: 57 @39031 has 132 MA's), (Start: 63 @39043 has 3 MA's), (Start: 74 @39073 has 1 MA's), (85, 39130), (105, 39211), (107, 39235), (111, 39256), (114, 39268), (116, 39277), (122, 39316), (123, 39319), (129, 39346), (135, 39373), (138, 39385), (149, 39439), (156, 39475), (168, 39526), (175, 39574), (195, 39682), (205, 39721), (210, 39763), (217, 39802), (236, 39898), (238, 39904),

Gene: Phaja_50 Start: 37928, Stop: 38809, Start Num: 57

Candidate Starts for Phaja_50:

(Start: 57 @37928 has 132 MA's), (Start: 63 @37940 has 3 MA's), (Start: 74 @37970 has 1 MA's), (85, 38027), (105, 38108), (107, 38132), (111, 38153), (114, 38165), (116, 38174), (122, 38213), (123, 38216), (129, 38243), (135, 38270), (138, 38282), (149, 38336), (156, 38372), (168, 38423), (175, 38471), (195, 38579), (205, 38618), (210, 38660), (217, 38699), (236, 38795), (238, 38801),

Gene: Phalm_30 Start: 27132, Stop: 26176, Start Num: 28

Candidate Starts for Phalm_30:

(Start: 28 @27132 has 35 MA's), (Start: 60 @27069 has 13 MA's), (Start: 61 @27066 has 2 MA's), (85, 26994), (86, 26985), (99, 26934), (120, 26817), (121, 26814), (122, 26811), (129, 26781), (131, 26769), (135, 26754), (140, 26736), (147, 26709), (153, 26682), (154, 26676), (166, 26622), (168, 26616), (169, 26598), (182, 26547), (201, 26463), (216, 26373), (221, 26361), (228, 26319), (250, 26190),

Gene: Pharsalus_50 Start: 37902, Stop: 38783, Start Num: 57

Candidate Starts for Pharsalus_50:

(Start: 57 @37902 has 132 MA's), (Start: 63 @37914 has 3 MA's), (Start: 74 @37944 has 1 MA's), (85, 38001), (105, 38082), (107, 38106), (111, 38127), (114, 38139), (116, 38148), (122, 38187), (123, 38190), (129, 38217), (135, 38244), (138, 38256), (149, 38310), (156, 38346), (168, 38397), (175, 38445), (195, 38553), (205, 38592), (210, 38634), (217, 38673), (236, 38769), (238, 38775),

Gene: PhatBacter_55 Start: 38581, Stop: 39462, Start Num: 57

Candidate Starts for PhatBacter_55:

(Start: 57 @38581 has 132 MA's), (Start: 63 @38593 has 3 MA's), (Start: 74 @38623 has 1 MA's), (85, 38680), (105, 38761), (107, 38785), (111, 38806), (114, 38818), (116, 38827), (122, 38866), (123, 38869), (129, 38896), (135, 38923), (138, 38935), (149, 38989), (156, 39025), (168, 39076), (175, 39124), (195, 39232), (205, 39271), (210, 39313), (217, 39352), (236, 39448), (238, 39454),

Gene: Phaux_54 Start: 38579, Stop: 39460, Start Num: 57

Candidate Starts for Phaux_54:

(Start: 57 @38579 has 132 MA's), (Start: 63 @38591 has 3 MA's), (Start: 74 @38621 has 1 MA's), (85, 38678), (105, 38759), (107, 38783), (111, 38804), (114, 38816), (116, 38825), (122, 38864), (123, 38867), (129, 38894), (135, 38921), (138, 38933), (149, 38987), (156, 39023), (168, 39074), (175, 39122), (195, 39230), (205, 39269), (210, 39311), (217, 39350), (236, 39446), (238, 39452),

Gene: Phayonce_32 Start: 28847, Stop: 27957, Start Num: 60

Candidate Starts for Phayonce_32:

(27, 28913), (30, 28904), (36, 28895), (Start: 60 @28847 has 13 MA's), (85, 28772), (86, 28763), (120, 28589), (121, 28586), (122, 28583), (131, 28541), (135, 28526), (140, 28508), (147, 28481), (154, 28448), (166, 28394), (173, 28352), (182, 28319), (201, 28235), (206, 28220), (221, 28133), (228, 28091), (239, 28040), (243, 28010), (247, 27998),

Gene: Phegasus_30 Start: 26880, Stop: 25924, Start Num: 28

Candidate Starts for Phegasus_30:

(Start: 28 @26880 has 35 MA's), (44, 26850), (Start: 60 @26817 has 13 MA's), (Start: 61 @26814 has 2 MA's), (85, 26742), (86, 26733), (88, 26727), (99, 26682), (120, 26565), (121, 26562), (122, 26559),

(129, 26529), (131, 26517), (135, 26502), (140, 26484), (147, 26457), (153, 26430), (154, 26424), (166, 26370), (169, 26346), (182, 26295), (201, 26211), (212, 26151), (221, 26109), (228, 26067), (250, 25938),

Gene: Philonius_34 Start: 27400, Stop: 26429, Start Num: 17

Candidate Starts for Philonius_34:

(Start: 17 @27400 has 31 MA's), (19, 27391), (Start: 52 @27316 has 4 MA's), (Start: 58 @27301 has 1 MA's), (95, 27178), (99, 27154), (120, 27037), (121, 27034), (126, 27013), (135, 26974), (136, 26971), (137, 26965), (142, 26950), (147, 26929), (151, 26914), (162, 26857), (165, 26845), (172, 26806), (178, 26779), (182, 26767), (189, 26740), (196, 26701), (201, 26677), (206, 26662), (228, 26533), (240, 26479), (245, 26446),

Gene: Phineas_30 Start: 27246, Stop: 26290, Start Num: 28

Candidate Starts for Phineas_30:

(Start: 28 @27246 has 35 MA's), (44, 27216), (Start: 60 @27183 has 13 MA's), (Start: 61 @27180 has 2 MA's), (85, 27108), (86, 27099), (88, 27093), (99, 27048), (120, 26931), (121, 26928), (122, 26925), (129, 26895), (131, 26883), (135, 26868), (140, 26850), (147, 26823), (153, 26796), (154, 26790), (166, 26736), (168, 26730), (182, 26661), (201, 26577), (212, 26517), (221, 26475), (228, 26433), (250, 26304),

Gene: Phlop_46 Start: 39515, Stop: 38628, Start Num: 31

Candidate Starts for Phlop_46:

(Start: 15 @39563 has 21 MA's), (Start: 31 @39515 has 5 MA's), (Start: 33 @39512 has 2 MA's), (Start: 43 @39494 has 4 MA's), (Start: 47 @39485 has 1 MA's), (86, 39353), (125, 39170), (128, 39158), (135, 39125), (147, 39083), (158, 39032), (165, 38993), (207, 38789), (209, 38780), (218, 38720), (228, 38672), (229, 38657), (232, 38645),

Gene: Phloss_34 Start: 28145, Stop: 27174, Start Num: 17

Candidate Starts for Phloss_34:

(Start: 17 @28145 has 31 MA's), (Start: 52 @28061 has 4 MA's), (Start: 58 @28046 has 1 MA's), (95, 27923), (99, 27899), (120, 27782), (121, 27779), (126, 27758), (135, 27719), (136, 27716), (137, 27710), (142, 27695), (147, 27674), (151, 27659), (162, 27602), (165, 27590), (172, 27551), (178, 27524), (182, 27512), (189, 27485), (196, 27446), (201, 27422), (206, 27407), (228, 27278), (229, 27263), (240, 27224),

Gene: PhrostedPhlake_43 Start: 32416, Stop: 31481, Start Num: 15

Candidate Starts for PhrostedPhlake_43:

(Start: 15 @32416 has 21 MA's), (Start: 31 @32368 has 5 MA's), (Start: 33 @32365 has 2 MA's), (Start: 43 @32347 has 4 MA's), (86, 32206), (125, 32023), (135, 31978), (147, 31936), (158, 31885), (165, 31846), (171, 31810), (192, 31699), (207, 31642), (209, 31633), (216, 31579), (232, 31498),

Gene: Phrux_50 Start: 37172, Stop: 38053, Start Num: 57

Candidate Starts for Phrux_50:

(Start: 57 @37172 has 132 MA's), (Start: 63 @37184 has 3 MA's), (Start: 74 @37214 has 1 MA's), (85, 37271), (105, 37352), (107, 37376), (111, 37397), (114, 37409), (116, 37418), (122, 37457), (123, 37460), (129, 37487), (135, 37514), (138, 37526), (149, 37580), (156, 37616), (168, 37667), (175, 37715), (195, 37823), (205, 37862), (210, 37904), (217, 37943), (236, 38039), (238, 38045),

Gene: PinkCoffee_49 Start: 39618, Stop: 38731, Start Num: 31

Candidate Starts for PinkCoffee_49:

(Start: 15 @39666 has 21 MA's), (Start: 31 @39618 has 5 MA's), (Start: 33 @39615 has 2 MA's), (Start: 43 @39597 has 4 MA's), (Start: 47 @39588 has 1 MA's), (86, 39456), (125, 39273), (128, 39261), (135, 39228), (147, 39186), (158, 39135), (165, 39096), (207, 38892), (209, 38883), (218,

38823), (228, 38775), (229, 38760), (232, 38748),

Gene: Pipp_37 Start: 31000, Stop: 30065, Start Num: 15

Candidate Starts for Pipp_37:

(Start: 15 @31000 has 21 MA's), (Start: 31 @30952 has 5 MA's), (Start: 33 @30949 has 2 MA's), (Start: 43 @30931 has 4 MA's), (Start: 47 @30922 has 1 MA's), (86, 30790), (125, 30607), (135, 30562), (147, 30520), (156, 30478), (158, 30469), (165, 30430), (171, 30394), (196, 30268), (207, 30226), (229, 30094), (232, 30082),

Gene: Pipsqueaks_36 Start: 28715, Stop: 27744, Start Num: 17

Candidate Starts for Pipsqueaks_36:

(Start: 17 @28715 has 31 MA's), (Start: 52 @28631 has 4 MA's), (Start: 58 @28616 has 1 MA's), (95, 28493), (99, 28469), (120, 28352), (121, 28349), (126, 28328), (135, 28289), (136, 28286), (137, 28280), (142, 28265), (147, 28244), (151, 28229), (162, 28172), (165, 28160), (172, 28121), (178, 28094), (182, 28082), (189, 28055), (196, 28016), (201, 27992), (206, 27977), (228, 27848), (229, 27833), (240, 27794),

Gene: Policronamos_55 Start: 38579, Stop: 39460, Start Num: 57

Candidate Starts for Policronamos_55:

(Start: 57 @38579 has 132 MA's), (Start: 63 @38591 has 3 MA's), (Start: 74 @38621 has 1 MA's), (85, 38678), (105, 38759), (107, 38783), (111, 38804), (114, 38816), (116, 38825), (122, 38864), (123, 38867), (129, 38894), (135, 38921), (138, 38933), (149, 38987), (156, 39023), (168, 39074), (175, 39122), (195, 39230), (205, 39269), (210, 39311), (217, 39350), (236, 39446), (238, 39452),

Gene: Polkaroo_30 Start: 26826, Stop: 25933, Start Num: 60

Candidate Starts for Polkaroo_30:

(Start: 28 @26889 has 35 MA's), (Start: 60 @26826 has 13 MA's), (Start: 61 @26823 has 2 MA's), (85, 26751), (86, 26742), (99, 26691), (120, 26574), (121, 26571), (122, 26568), (129, 26538), (131, 26526), (135, 26511), (140, 26493), (147, 26466), (153, 26439), (154, 26433), (166, 26379), (168, 26373), (169, 26355), (182, 26304), (201, 26220), (216, 26130), (221, 26118), (228, 26076), (250, 25947),

Gene: Porky_51 Start: 37298, Stop: 38179, Start Num: 57

Candidate Starts for Porky_51:

(Start: 57 @37298 has 132 MA's), (Start: 63 @37310 has 3 MA's), (Start: 74 @37340 has 1 MA's), (85, 37397), (105, 37478), (107, 37502), (111, 37523), (114, 37535), (116, 37544), (122, 37583), (123, 37586), (129, 37613), (135, 37640), (138, 37652), (149, 37706), (156, 37742), (168, 37793), (175, 37841), (195, 37949), (205, 37988), (210, 38030), (217, 38069), (236, 38165), (238, 38171),

Gene: Portcullis_49 Start: 39169, Stop: 38234, Start Num: 15

Candidate Starts for Portcullis_49:

(Start: 15 @39169 has 21 MA's), (Start: 31 @39121 has 5 MA's), (Start: 33 @39118 has 2 MA's), (Start: 43 @39100 has 4 MA's), (Start: 47 @39091 has 1 MA's), (86, 38959), (125, 38776), (128, 38764), (134, 38734), (135, 38731), (147, 38689), (158, 38638), (165, 38599), (207, 38395), (209, 38386), (218, 38326), (228, 38278), (229, 38263), (232, 38251),

Gene: Ptowny_51 Start: 36764, Stop: 37645, Start Num: 57

Candidate Starts for Ptowny_51:

(Start: 57 @36764 has 132 MA's), (Start: 63 @36776 has 3 MA's), (Start: 74 @36806 has 1 MA's), (85, 36863), (105, 36944), (107, 36968), (111, 36989), (114, 37001), (116, 37010), (122, 37049), (123, 37052), (129, 37079), (135, 37106), (138, 37118), (149, 37172), (156, 37208), (168, 37259), (175, 37307), (195, 37415), (205, 37454), (210, 37496), (217, 37535), (236, 37631), (238, 37637),

Gene: PullumCavea_46 Start: 39563, Stop: 38628, Start Num: 15

Candidate Starts for PullumCavea_46:

(Start: 15 @39563 has 21 MA's), (Start: 31 @39515 has 5 MA's), (Start: 33 @39512 has 2 MA's), (Start: 43 @39494 has 4 MA's), (Start: 47 @39485 has 1 MA's), (86, 39353), (125, 39170), (128, 39158), (135, 39125), (147, 39083), (158, 39032), (165, 38993), (207, 38789), (209, 38780), (218, 38720), (228, 38672), (229, 38657), (232, 38645),

Gene: Pumpkin_54 Start: 38229, Stop: 39110, Start Num: 57

Candidate Starts for Pumpkin_54:

(Start: 57 @38229 has 132 MA's), (Start: 63 @38241 has 3 MA's), (Start: 74 @38271 has 1 MA's), (85, 38328), (105, 38409), (107, 38433), (111, 38454), (114, 38466), (116, 38475), (122, 38514), (123, 38517), (129, 38544), (135, 38571), (138, 38583), (149, 38637), (156, 38673), (168, 38724), (175, 38772), (195, 38880), (205, 38919), (210, 38961), (217, 39000), (236, 39096), (238, 39102),

Gene: Purky_37 Start: 29562, Stop: 28654, Start Num: 60

Candidate Starts for Purky_37:

(29, 29622), (35, 29613), (Start: 60 @29562 has 13 MA's), (82, 29496), (86, 29478), (120, 29310), (122, 29304), (129, 29274), (131, 29262), (140, 29229), (147, 29202), (149, 29196), (182, 29040), (201, 28956), (202, 28953), (213, 28875), (216, 28866), (228, 28812), (243, 28731),

Gene: Pygmy_32 Start: 28714, Stop: 27758, Start Num: 28

Candidate Starts for Pygmy_32:

(Start: 28 @28714 has 35 MA's), (44, 28684), (Start: 60 @28651 has 13 MA's), (Start: 61 @28648 has 2 MA's), (85, 28576), (86, 28567), (88, 28561), (99, 28516), (120, 28399), (121, 28396), (122, 28393), (129, 28363), (131, 28351), (135, 28336), (137, 28327), (140, 28318), (147, 28291), (153, 28264), (154, 28258), (166, 28204), (169, 28180), (182, 28129), (201, 28045), (212, 27985), (216, 27955), (221, 27943), (228, 27901), (250, 27772),

Gene: Qualification_53 Start: 38217, Stop: 39098, Start Num: 57

Candidate Starts for Qualification_53:

(Start: 57 @38217 has 132 MA's), (Start: 63 @38229 has 3 MA's), (Start: 74 @38259 has 1 MA's), (85, 38316), (105, 38397), (107, 38421), (111, 38442), (114, 38454), (116, 38463), (122, 38502), (123, 38505), (129, 38532), (135, 38559), (138, 38571), (149, 38625), (156, 38661), (168, 38712), (175, 38760), (195, 38868), (205, 38907), (210, 38949), (217, 38988), (236, 39084), (238, 39090),

Gene: QueenHazel_29 Start: 26975, Stop: 26085, Start Num: 60

Candidate Starts for QueenHazel_29:

(Start: 28 @27038 has 35 MA's), (Start: 60 @26975 has 13 MA's), (86, 26891), (92, 26873), (120, 26723), (121, 26720), (122, 26717), (129, 26687), (131, 26675), (135, 26660), (137, 26651), (140, 26642), (147, 26615), (153, 26588), (154, 26582), (166, 26528), (168, 26522), (178, 26465), (182, 26453), (201, 26369), (206, 26354), (216, 26279), (221, 26267), (228, 26225), (246, 26132), (249, 26117),

Gene: Rahul_19 Start: 13941, Stop: 13114, Start Num: 52

Candidate Starts for Rahul_19:

(Start: 52 @13941 has 4 MA's), (Start: 64 @13914 has 1 MA's), (81, 13842), (85, 13827), (94, 13791), (111, 13704), (123, 13641), (135, 13587), (144, 13554), (147, 13545), (159, 13479), (160, 13476), (163, 13464), (166, 13452), (168, 13446), (171, 13419), (172, 13416), (186, 13365), (198, 13314), (209, 13272), (216, 13218), (219, 13209), (221, 13206), (228, 13164), (229, 13149), (231, 13140),

Gene: Rakim_54 Start: 37979, Stop: 38860, Start Num: 57

Candidate Starts for Rakim_54:

(Start: 57 @37979 has 132 MA's), (Start: 63 @37991 has 3 MA's), (Start: 74 @38021 has 1 MA's), (85, 38078), (105, 38159), (107, 38183), (111, 38204), (114, 38216), (116, 38225), (122, 38264), (123, 38267), (129, 38294), (135, 38321), (138, 38333), (149, 38387), (156, 38423), (168, 38474), (175, 38522), (195, 38630), (205, 38669), (210, 38711), (217, 38750), (236, 38846), (238, 38852),

Gene: Reynauld_68 Start: 57456, Stop: 56647, Start Num: 63

Candidate Starts for Reynauld_68:

(Start: 63 @57456 has 3 MA's), (85, 57366), (93, 57336), (117, 57210), (125, 57171), (144, 57093), (159, 57018), (168, 56985), (170, 56964), (181, 56916), (214, 56745), (216, 56739), (232, 56658),

Gene: Rimmer_53 Start: 37921, Stop: 38802, Start Num: 57

Candidate Starts for Rimmer_53:

(Start: 57 @37921 has 132 MA's), (Start: 63 @37933 has 3 MA's), (Start: 74 @37963 has 1 MA's), (85, 38020), (105, 38101), (107, 38125), (111, 38146), (114, 38158), (116, 38167), (122, 38206), (123, 38209), (129, 38236), (135, 38263), (138, 38275), (149, 38329), (156, 38365), (168, 38416), (175, 38464), (195, 38572), (205, 38611), (210, 38653), (217, 38692), (236, 38788), (238, 38794),

Gene: RiverMonster_53 Start: 37750, Stop: 38631, Start Num: 57

Candidate Starts for RiverMonster_53:

(Start: 57 @37750 has 132 MA's), (Start: 63 @37762 has 3 MA's), (Start: 74 @37792 has 1 MA's), (85, 37849), (105, 37930), (107, 37954), (111, 37975), (114, 37987), (116, 37996), (122, 38035), (123, 38038), (129, 38065), (135, 38092), (138, 38104), (149, 38158), (156, 38194), (168, 38245), (175, 38293), (195, 38401), (205, 38440), (210, 38482), (217, 38521), (236, 38617), (238, 38623),

Gene: RobinSparkles_72 Start: 56946, Stop: 56164, Start Num: 59

Candidate Starts for RobinSparkles_72:

(Start: 59 @56946 has 1 MA's), (Start: 69 @56925 has 4 MA's), (81, 56856), (109, 56754), (110, 56751), (126, 56667), (130, 56649), (135, 56628), (137, 56619), (143, 56601), (148, 56580), (167, 56499), (177, 56442), (209, 56310), (212, 56286), (215, 56259), (221, 56244), (226, 56208), (228, 56202), (232, 56175), (234, 56169),

Gene: RogerDodger_50 Start: 39706, Stop: 38771, Start Num: 15

Candidate Starts for RogerDodger_50:

(Start: 15 @39706 has 21 MA's), (Start: 31 @39658 has 5 MA's), (Start: 33 @39655 has 2 MA's), (Start: 43 @39637 has 4 MA's), (Start: 47 @39628 has 1 MA's), (86, 39496), (125, 39313), (128, 39301), (134, 39271), (135, 39268), (147, 39226), (158, 39175), (165, 39136), (166, 39133), (207, 38932), (209, 38923), (218, 38863), (228, 38815), (229, 38800), (232, 38788),

Gene: Saints25_53 Start: 37462, Stop: 38343, Start Num: 57

Candidate Starts for Saints25_53:

(Start: 57 @37462 has 132 MA's), (Start: 63 @37474 has 3 MA's), (Start: 74 @37504 has 1 MA's), (85, 37561), (105, 37642), (107, 37666), (111, 37687), (114, 37699), (116, 37708), (122, 37747), (123, 37750), (129, 37777), (135, 37804), (138, 37816), (149, 37870), (156, 37906), (168, 37957), (175, 38005), (195, 38113), (205, 38152), (210, 38194), (217, 38233), (236, 38329), (238, 38335),

Gene: SallySpecial_17 Start: 13669, Stop: 12869, Start Num: 64

Candidate Starts for SallySpecial_17:

(1, 14119), (2, 14104), (3, 14101), (4, 13924), (13, 13801), (19, 13771), (22, 13762), (Start: 52 @13696 has 4 MA's), (Start: 64 @13669 has 1 MA's), (Start: 69 @13657 has 4 MA's), (70, 13654), (76, 13630), (82, 13591), (92, 13552), (97, 13525), (100, 13510), (123, 13396), (124, 13390), (129, 13369), (135, 13342), (146, 13303), (147, 13300), (158, 13249), (159, 13234), (160, 13231), (168, 13201), (170, 13180), (171, 13174), (172, 13171), (173, 13165), (186, 13120), (198, 13069), (209, 13027), (216, 12973), (227, 12922), (228, 12919), (229, 12904), (231, 12895),

Gene: Salvador_46 Start: 39375, Stop: 38440, Start Num: 15

Candidate Starts for Salvador_46:

(Start: 15 @39375 has 21 MA's), (Start: 31 @39327 has 5 MA's), (Start: 33 @39324 has 2 MA's), (Start: 43 @39306 has 4 MA's), (Start: 47 @39297 has 1 MA's), (86, 39165), (125, 38982), (128, 38970), (134, 38940), (135, 38937), (147, 38895), (158, 38844), (165, 38805), (207, 38601), (209, 38592), (218, 38532), (228, 38484), (229, 38469), (232, 38457),

Gene: Sassay_46 Start: 35849, Stop: 36730, Start Num: 57

Candidate Starts for Sassay_46:

(Start: 57 @35849 has 132 MA's), (Start: 63 @35861 has 3 MA's), (Start: 74 @35891 has 1 MA's), (85, 35948), (105, 36029), (107, 36053), (111, 36074), (114, 36086), (116, 36095), (122, 36134), (123, 36137), (129, 36164), (135, 36191), (138, 36203), (149, 36257), (156, 36293), (168, 36344), (175, 36392), (195, 36500), (205, 36539), (210, 36581), (217, 36620), (236, 36716), (238, 36722),

Gene: Savbucketdawg_47 Start: 39156, Stop: 38221, Start Num: 15

Candidate Starts for Savbucketdawg_47:

(Start: 15 @39156 has 21 MA's), (Start: 31 @39108 has 5 MA's), (Start: 33 @39105 has 2 MA's), (Start: 43 @39087 has 4 MA's), (Start: 47 @39078 has 1 MA's), (86, 38946), (125, 38763), (128, 38751), (135, 38718), (147, 38676), (158, 38625), (165, 38586), (207, 38382), (209, 38373), (218, 38313), (228, 38265), (229, 38250), (232, 38238),

Gene: Schnauzer_36 Start: 28738, Stop: 27767, Start Num: 17

Candidate Starts for Schnauzer_36:

(Start: 17 @28738 has 31 MA's), (Start: 52 @28654 has 4 MA's), (Start: 58 @28639 has 1 MA's), (95, 28516), (99, 28492), (120, 28375), (121, 28372), (126, 28351), (135, 28312), (136, 28309), (137, 28303), (142, 28288), (147, 28267), (151, 28252), (162, 28195), (165, 28183), (172, 28144), (178, 28117), (182, 28105), (189, 28078), (196, 28039), (201, 28015), (206, 28000), (228, 27871), (229, 27856), (240, 27817),

Gene: Scitech_31 Start: 26586, Stop: 25615, Start Num: 17

Candidate Starts for Scitech_31:

(Start: 17 @26586 has 31 MA's), (Start: 52 @26502 has 4 MA's), (Start: 58 @26487 has 1 MA's), (95, 26364), (99, 26340), (120, 26223), (121, 26220), (126, 26199), (135, 26160), (136, 26157), (137, 26151), (142, 26136), (147, 26115), (151, 26100), (162, 26043), (165, 26031), (172, 25992), (178, 25965), (182, 25953), (189, 25926), (196, 25887), (201, 25863), (206, 25848), (228, 25719), (240, 25665), (245, 25632),

Gene: Sendy_49 Start: 39614, Stop: 38748, Start Num: 43

Candidate Starts for Sendy_49:

(Start: 15 @39683 has 21 MA's), (Start: 31 @39635 has 5 MA's), (Start: 33 @39632 has 2 MA's), (Start: 43 @39614 has 4 MA's), (Start: 47 @39605 has 1 MA's), (86, 39473), (125, 39290), (128, 39278), (135, 39245), (147, 39203), (158, 39152), (165, 39113), (207, 38909), (209, 38900), (218, 38840), (228, 38792), (229, 38777), (232, 38765),

Gene: ShamWow_52 Start: 38365, Stop: 39246, Start Num: 57

Candidate Starts for ShamWow_52:

(Start: 57 @38365 has 132 MA's), (Start: 63 @38377 has 3 MA's), (Start: 74 @38407 has 1 MA's), (85, 38464), (105, 38545), (107, 38569), (111, 38590), (114, 38602), (116, 38611), (122, 38650), (123, 38653), (129, 38680), (135, 38707), (138, 38719), (149, 38773), (156, 38809), (168, 38860), (175, 38908), (195, 39016), (205, 39055), (210, 39097), (217, 39136), (236, 39232), (238, 39238),

Gene: SharkTale_49 Start: 40497, Stop: 39562, Start Num: 15

Candidate Starts for SharkTale_49:

(Start: 15 @40497 has 21 MA's), (Start: 33 @40446 has 2 MA's), (Start: 43 @40428 has 4 MA's),
(Start: 47 @40419 has 1 MA's), (86, 40287), (112, 40173), (125, 40104), (128, 40092), (135, 40059),
(147, 40017), (165, 39927), (207, 39723), (218, 39654), (228, 39606), (229, 39591), (232, 39579),

Gene: ShereKhan_50 Start: 38141, Stop: 39022, Start Num: 57

Candidate Starts for ShereKhan_50:

(Start: 57 @38141 has 132 MA's), (Start: 63 @38153 has 3 MA's), (Start: 74 @38183 has 1 MA's), (85,
38240), (105, 38321), (107, 38345), (111, 38366), (114, 38378), (116, 38387), (122, 38426), (123,
38429), (129, 38456), (135, 38483), (138, 38495), (149, 38549), (156, 38585), (168, 38636), (175,
38684), (195, 38792), (205, 38831), (210, 38873), (217, 38912), (236, 39008), (238, 39014),

Gene: Shinji_48 Start: 38871, Stop: 37984, Start Num: 31

Candidate Starts for Shinji_48:

(Start: 15 @38919 has 21 MA's), (Start: 31 @38871 has 5 MA's), (Start: 33 @38868 has 2 MA's),
(Start: 43 @38850 has 4 MA's), (Start: 47 @38841 has 1 MA's), (86, 38709), (125, 38526), (128,
38514), (134, 38484), (135, 38481), (147, 38439), (158, 38388), (165, 38349), (166, 38346), (207,
38145), (209, 38136), (218, 38076), (228, 38028), (229, 38013), (232, 38001),

Gene: Shipwreck_32 Start: 28626, Stop: 27733, Start Num: 60

Candidate Starts for Shipwreck_32:

(Start: 28 @28689 has 35 MA's), (44, 28659), (Start: 60 @28626 has 13 MA's), (Start: 61 @28623 has
2 MA's), (85, 28551), (86, 28542), (88, 28536), (99, 28491), (120, 28374), (121, 28371), (122, 28368),
(129, 28338), (131, 28326), (135, 28311), (137, 28302), (140, 28293), (147, 28266), (153, 28239),
(154, 28233), (166, 28179), (169, 28155), (182, 28104), (201, 28020), (212, 27960), (216, 27930),
(221, 27918), (228, 27876), (250, 27747),

Gene: Shweta_33 Start: 27918, Stop: 26947, Start Num: 17

Candidate Starts for Shweta_33:

(Start: 17 @27918 has 31 MA's), (Start: 52 @27834 has 4 MA's), (Start: 58 @27819 has 1 MA's), (95,
27696), (99, 27672), (120, 27555), (121, 27552), (126, 27531), (135, 27492), (136, 27489), (137,
27483), (142, 27468), (147, 27447), (151, 27432), (162, 27375), (165, 27363), (172, 27324), (178,
27297), (182, 27285), (189, 27258), (196, 27219), (201, 27195), (206, 27180), (228, 27051), (229,
27036), (240, 26997),

Gene: Silvafighter_37 Start: 28711, Stop: 27740, Start Num: 17

Candidate Starts for Silvafighter_37:

(Start: 17 @28711 has 31 MA's), (Start: 52 @28627 has 4 MA's), (Start: 58 @28612 has 1 MA's), (95,
28489), (99, 28465), (120, 28348), (121, 28345), (126, 28324), (135, 28285), (136, 28282), (137,
28276), (142, 28261), (147, 28240), (151, 28225), (162, 28168), (165, 28156), (172, 28117), (178,
28090), (182, 28078), (189, 28051), (196, 28012), (201, 27988), (206, 27973), (228, 27844), (229,
27829), (240, 27790),

Gene: Silvy_34 Start: 27389, Stop: 26418, Start Num: 17

Candidate Starts for Silvy_34:

(Start: 17 @27389 has 31 MA's), (19, 27380), (Start: 52 @27305 has 4 MA's), (Start: 58 @27290 has 1
MA's), (95, 27167), (99, 27143), (120, 27026), (121, 27023), (126, 27002), (135, 26963), (136, 26960),
(137, 26954), (142, 26939), (147, 26918), (151, 26903), (162, 26846), (165, 26834), (172, 26795),
(178, 26768), (182, 26756), (189, 26729), (196, 26690), (201, 26666), (206, 26651), (228, 26522),
(240, 26468), (245, 26435),

Gene: Simpliphy_51 Start: 37446, Stop: 38327, Start Num: 57

Candidate Starts for Simpliphy_51:

(Start: 57 @37446 has 132 MA's), (Start: 63 @37458 has 3 MA's), (Start: 74 @37488 has 1 MA's), (85, 37545), (105, 37626), (107, 37650), (111, 37671), (114, 37683), (116, 37692), (122, 37731), (123, 37734), (129, 37761), (135, 37788), (138, 37800), (149, 37854), (156, 37890), (168, 37941), (175, 37989), (195, 38097), (205, 38136), (210, 38178), (217, 38217), (236, 38313), (238, 38319),

Gene: SirDuracell_51 Start: 36422, Stop: 37303, Start Num: 57

Candidate Starts for SirDuracell_51:

(Start: 57 @36422 has 132 MA's), (Start: 63 @36434 has 3 MA's), (Start: 74 @36464 has 1 MA's), (85, 36521), (105, 36602), (107, 36626), (111, 36647), (114, 36659), (116, 36668), (122, 36707), (123, 36710), (129, 36737), (135, 36764), (138, 36776), (149, 36830), (156, 36866), (168, 36917), (175, 36965), (195, 37073), (205, 37112), (210, 37154), (217, 37193), (236, 37289), (238, 37295),

Gene: Sixsevenium_51 Start: 39860, Stop: 38973, Start Num: 31

Candidate Starts for Sixsevenium_51:

(Start: 15 @39908 has 21 MA's), (Start: 31 @39860 has 5 MA's), (Start: 33 @39857 has 2 MA's), (Start: 43 @39839 has 4 MA's), (Start: 69 @39782 has 4 MA's), (86, 39698), (128, 39503), (134, 39473), (135, 39470), (147, 39428), (156, 39386), (158, 39377), (165, 39338), (207, 39134), (218, 39065), (228, 39017), (229, 39002), (232, 38990),

Gene: SkinnyPete_31 Start: 26449, Stop: 25478, Start Num: 17

Candidate Starts for SkinnyPete_31:

(Start: 17 @26449 has 31 MA's), (Start: 52 @26365 has 4 MA's), (Start: 58 @26350 has 1 MA's), (95, 26227), (99, 26203), (120, 26086), (121, 26083), (126, 26062), (135, 26023), (136, 26020), (137, 26014), (142, 25999), (147, 25978), (151, 25963), (162, 25906), (165, 25894), (172, 25855), (178, 25828), (182, 25816), (189, 25789), (196, 25750), (201, 25726), (206, 25711), (228, 25582), (240, 25528), (245, 25495),

Gene: SmokingBunny_47 Start: 39390, Stop: 38533, Start Num: 47

Candidate Starts for SmokingBunny_47:

(Start: 15 @39468 has 21 MA's), (Start: 31 @39420 has 5 MA's), (Start: 33 @39417 has 2 MA's), (Start: 43 @39399 has 4 MA's), (Start: 47 @39390 has 1 MA's), (86, 39258), (125, 39075), (128, 39063), (135, 39030), (147, 38988), (158, 38937), (165, 38898), (207, 38694), (209, 38685), (218, 38625), (228, 38577), (229, 38562), (232, 38550),

Gene: Smurph_36 Start: 28738, Stop: 27767, Start Num: 17

Candidate Starts for Smurph_36:

(Start: 17 @28738 has 31 MA's), (Start: 52 @28654 has 4 MA's), (Start: 58 @28639 has 1 MA's), (95, 28516), (99, 28492), (120, 28375), (121, 28372), (126, 28351), (135, 28312), (136, 28309), (137, 28303), (142, 28288), (147, 28267), (151, 28252), (162, 28195), (165, 28183), (172, 28144), (178, 28117), (182, 28105), (189, 28078), (196, 28039), (201, 28015), (206, 28000), (228, 27871), (229, 27856), (240, 27817),

Gene: Snekmaggedon_33 Start: 27788, Stop: 26817, Start Num: 17

Candidate Starts for Snekmaggedon_33:

(Start: 17 @27788 has 31 MA's), (Start: 52 @27704 has 4 MA's), (Start: 58 @27689 has 1 MA's), (95, 27566), (99, 27542), (120, 27425), (121, 27422), (126, 27401), (135, 27362), (136, 27359), (137, 27353), (142, 27338), (147, 27317), (151, 27302), (162, 27245), (165, 27233), (172, 27194), (178, 27167), (182, 27155), (189, 27128), (196, 27089), (201, 27065), (206, 27050), (228, 26921), (229, 26906), (240, 26867),

Gene: Sonah_30 Start: 26861, Stop: 25905, Start Num: 28

Candidate Starts for Sonah_30:

(Start: 28 @26861 has 35 MA's), (44, 26831), (Start: 60 @26798 has 13 MA's), (Start: 61 @26795 has 2 MA's), (85, 26723), (86, 26714), (99, 26663), (120, 26546), (121, 26543), (122, 26540), (129, 26510), (131, 26498), (135, 26483), (140, 26465), (147, 26438), (153, 26411), (154, 26405), (166, 26351), (169, 26327), (182, 26276), (201, 26192), (216, 26102), (221, 26090), (228, 26048), (250, 25919),

Gene: SophKB_49 Start: 37121, Stop: 38002, Start Num: 57

Candidate Starts for SophKB_49:

(Start: 57 @37121 has 132 MA's), (Start: 63 @37133 has 3 MA's), (Start: 74 @37163 has 1 MA's), (85, 37220), (105, 37301), (107, 37325), (111, 37346), (114, 37358), (116, 37367), (122, 37406), (123, 37409), (129, 37436), (135, 37463), (138, 37475), (149, 37529), (156, 37565), (168, 37616), (175, 37664), (195, 37772), (205, 37811), (210, 37853), (217, 37892), (236, 37988), (238, 37994),

Gene: Sotrice96_53 Start: 37827, Stop: 38708, Start Num: 57

Candidate Starts for Sotrice96_53:

(Start: 57 @37827 has 132 MA's), (Start: 63 @37839 has 3 MA's), (Start: 74 @37869 has 1 MA's), (85, 37926), (105, 38007), (107, 38031), (111, 38052), (114, 38064), (116, 38073), (122, 38112), (123, 38115), (129, 38142), (135, 38169), (138, 38181), (149, 38235), (156, 38271), (168, 38322), (175, 38370), (195, 38478), (205, 38517), (210, 38559), (217, 38598), (236, 38694), (238, 38700),

Gene: SpongeBob_33 Start: 27788, Stop: 26817, Start Num: 17

Candidate Starts for SpongeBob_33:

(Start: 17 @27788 has 31 MA's), (Start: 52 @27704 has 4 MA's), (Start: 58 @27689 has 1 MA's), (95, 27566), (99, 27542), (120, 27425), (121, 27422), (126, 27401), (135, 27362), (136, 27359), (137, 27353), (142, 27338), (147, 27317), (151, 27302), (162, 27245), (165, 27233), (172, 27194), (178, 27167), (182, 27155), (189, 27128), (196, 27089), (201, 27065), (206, 27050), (228, 26921), (229, 26906), (240, 26867),

Gene: Srilaccoli3_65 Start: 56496, Stop: 55675, Start Num: 63

Candidate Starts for Srilaccoli3_65:

(Start: 63 @56496 has 3 MA's), (85, 56406), (98, 56340), (144, 56124), (159, 56049), (168, 56016), (172, 55986), (181, 55944), (187, 55917), (196, 55869), (212, 55797), (214, 55773), (216, 55767), (223, 55737), (232, 55686),

Gene: Stank_56 Start: 38379, Stop: 39260, Start Num: 57

Candidate Starts for Stank_56:

(Start: 57 @38379 has 132 MA's), (Start: 63 @38391 has 3 MA's), (Start: 74 @38421 has 1 MA's), (85, 38478), (105, 38559), (107, 38583), (111, 38604), (114, 38616), (116, 38625), (122, 38664), (123, 38667), (129, 38694), (135, 38721), (138, 38733), (149, 38787), (156, 38823), (168, 38874), (175, 38922), (195, 39030), (205, 39069), (210, 39111), (217, 39150), (236, 39246), (238, 39252),

Gene: Stark_53 Start: 37634, Stop: 38515, Start Num: 57

Candidate Starts for Stark_53:

(Start: 57 @37634 has 132 MA's), (Start: 63 @37646 has 3 MA's), (Start: 74 @37676 has 1 MA's), (85, 37733), (105, 37814), (107, 37838), (111, 37859), (114, 37871), (116, 37880), (122, 37919), (123, 37922), (129, 37949), (135, 37976), (138, 37988), (149, 38042), (156, 38078), (168, 38129), (175, 38177), (195, 38285), (205, 38324), (210, 38366), (217, 38405), (236, 38501), (238, 38507),

Gene: StellaBean_50 Start: 37689, Stop: 38570, Start Num: 57

Candidate Starts for StellaBean_50:

(Start: 57 @37689 has 132 MA's), (Start: 63 @37701 has 3 MA's), (Start: 74 @37731 has 1 MA's), (85, 37788), (105, 37869), (107, 37893), (111, 37914), (114, 37926), (116, 37935), (122, 37974), (123, 37977), (129, 38004), (135, 38031), (138, 38043), (149, 38097), (156, 38133), (168, 38184), (175, 38232), (195, 38340), (205, 38379), (210, 38421), (217, 38460), (236, 38556), (238, 38562),

Gene: StevieRay_30 Start: 26777, Stop: 25884, Start Num: 60

Candidate Starts for StevieRay_30:

(Start: 28 @26840 has 35 MA's), (Start: 60 @26777 has 13 MA's), (Start: 61 @26774 has 2 MA's), (85, 26702), (86, 26693), (99, 26642), (120, 26525), (121, 26522), (122, 26519), (129, 26489), (131, 26477), (135, 26462), (140, 26444), (147, 26417), (153, 26390), (154, 26384), (166, 26330), (182, 26255), (201, 26171), (216, 26081), (221, 26069), (228, 26027), (250, 25898),

Gene: StolenFromERC_55 Start: 37863, Stop: 38744, Start Num: 57

Candidate Starts for StolenFromERC_55:

(Start: 57 @37863 has 132 MA's), (Start: 63 @37875 has 3 MA's), (Start: 74 @37905 has 1 MA's), (85, 37962), (105, 38043), (107, 38067), (111, 38088), (114, 38100), (116, 38109), (122, 38148), (123, 38151), (129, 38178), (135, 38205), (138, 38217), (149, 38271), (156, 38307), (168, 38358), (175, 38406), (195, 38514), (205, 38553), (210, 38595), (217, 38634), (236, 38730), (238, 38736),

Gene: StormChicken_54 Start: 38529, Stop: 39410, Start Num: 57

Candidate Starts for StormChicken_54:

(Start: 57 @38529 has 132 MA's), (Start: 63 @38541 has 3 MA's), (Start: 74 @38571 has 1 MA's), (85, 38628), (105, 38709), (107, 38733), (111, 38754), (114, 38766), (116, 38775), (122, 38814), (123, 38817), (129, 38844), (135, 38871), (138, 38883), (149, 38937), (156, 38973), (168, 39024), (175, 39072), (195, 39180), (205, 39219), (210, 39261), (217, 39300), (236, 39396), (238, 39402),

Gene: StressBall_30 Start: 27132, Stop: 26176, Start Num: 28

Candidate Starts for StressBall_30:

(Start: 28 @27132 has 35 MA's), (Start: 60 @27069 has 13 MA's), (Start: 61 @27066 has 2 MA's), (85, 26994), (86, 26985), (99, 26934), (120, 26817), (121, 26814), (122, 26811), (129, 26781), (131, 26769), (135, 26754), (140, 26736), (147, 26709), (153, 26682), (154, 26676), (166, 26622), (168, 26616), (169, 26598), (182, 26547), (201, 26463), (216, 26373), (221, 26361), (228, 26319), (250, 26190),

Gene: TBrady12_55 Start: 37863, Stop: 38744, Start Num: 57

Candidate Starts for TBrady12_55:

(Start: 57 @37863 has 132 MA's), (Start: 63 @37875 has 3 MA's), (Start: 74 @37905 has 1 MA's), (85, 37962), (105, 38043), (107, 38067), (111, 38088), (114, 38100), (116, 38109), (122, 38148), (123, 38151), (129, 38178), (135, 38205), (138, 38217), (149, 38271), (156, 38307), (168, 38358), (175, 38406), (195, 38514), (205, 38553), (210, 38595), (217, 38634), (236, 38730), (238, 38736),

Gene: Tapioca_37 Start: 28704, Stop: 27733, Start Num: 17

Candidate Starts for Tapioca_37:

(Start: 17 @28704 has 31 MA's), (Start: 52 @28620 has 4 MA's), (Start: 58 @28605 has 1 MA's), (95, 28482), (99, 28458), (120, 28341), (121, 28338), (126, 28317), (135, 28278), (136, 28275), (137, 28269), (142, 28254), (147, 28233), (151, 28218), (162, 28161), (165, 28149), (172, 28110), (178, 28083), (182, 28071), (189, 28044), (196, 28005), (201, 27981), (206, 27966), (228, 27837), (229, 27822), (240, 27783),

Gene: Tarkin_51 Start: 38111, Stop: 38992, Start Num: 57

Candidate Starts for Tarkin_51:

(Start: 57 @38111 has 132 MA's), (Start: 63 @38123 has 3 MA's), (Start: 74 @38153 has 1 MA's), (85, 38210), (105, 38291), (107, 38315), (111, 38336), (114, 38348), (116, 38357), (122, 38396), (123, 38399), (129, 38426), (135, 38453), (138, 38465), (149, 38519), (156, 38555), (168, 38606), (175, 38654), (195, 38762), (205, 38801), (210, 38843), (217, 38882), (236, 38978), (238, 38984),

Gene: TeamEdward_55 Start: 38526, Stop: 39407, Start Num: 57

Candidate Starts for TeamEdward_55:

(Start: 57 @38526 has 132 MA's), (Start: 63 @38538 has 3 MA's), (Start: 74 @38568 has 1 MA's), (85, 38625), (105, 38706), (107, 38730), (111, 38751), (114, 38763), (116, 38772), (122, 38811), (123, 38814), (129, 38841), (135, 38868), (138, 38880), (149, 38934), (156, 38970), (168, 39021), (175, 39069), (195, 39177), (205, 39216), (210, 39258), (217, 39297), (236, 39393), (238, 39399),

Gene: TeardropMSU_48 Start: 37111, Stop: 37992, Start Num: 57

Candidate Starts for TeardropMSU_48:

(Start: 57 @37111 has 132 MA's), (Start: 63 @37123 has 3 MA's), (Start: 74 @37153 has 1 MA's), (85, 37210), (105, 37291), (107, 37315), (111, 37336), (114, 37348), (116, 37357), (122, 37396), (123, 37399), (129, 37426), (135, 37453), (138, 37465), (149, 37519), (156, 37555), (168, 37606), (175, 37654), (195, 37762), (205, 37801), (210, 37843), (217, 37882), (236, 37978), (238, 37984),

Gene: Teaspoon_53 Start: 38005, Stop: 38886, Start Num: 57

Candidate Starts for Teaspoon_53:

(Start: 57 @38005 has 132 MA's), (Start: 63 @38017 has 3 MA's), (Start: 74 @38047 has 1 MA's), (85, 38104), (105, 38185), (107, 38209), (111, 38230), (114, 38242), (116, 38251), (122, 38290), (123, 38293), (129, 38320), (135, 38347), (138, 38359), (149, 38413), (156, 38449), (168, 38500), (175, 38548), (195, 38656), (205, 38695), (210, 38737), (217, 38776), (236, 38872), (238, 38878),

Gene: Techage_30 Start: 26898, Stop: 25909, Start Num: 28

Candidate Starts for Techage_30:

(Start: 28 @26898 has 35 MA's), (44, 26868), (Start: 60 @26835 has 13 MA's), (Start: 61 @26832 has 2 MA's), (71, 26802), (72, 26799), (85, 26727), (86, 26718), (88, 26712), (99, 26667), (120, 26550), (121, 26547), (122, 26544), (129, 26514), (131, 26502), (135, 26487), (140, 26469), (147, 26442), (153, 26415), (154, 26409), (166, 26355), (168, 26349), (169, 26331), (182, 26280), (201, 26196), (212, 26136), (221, 26094), (228, 26052), (250, 25923),

Gene: Terminus_54 Start: 38602, Stop: 39483, Start Num: 57

Candidate Starts for Terminus_54:

(Start: 57 @38602 has 132 MA's), (Start: 63 @38614 has 3 MA's), (Start: 74 @38644 has 1 MA's), (85, 38701), (105, 38782), (107, 38806), (111, 38827), (114, 38839), (116, 38848), (122, 38887), (123, 38890), (129, 38917), (135, 38944), (138, 38956), (149, 39010), (156, 39046), (168, 39097), (175, 39145), (195, 39253), (205, 39292), (210, 39334), (217, 39373), (236, 39469), (238, 39475),

Gene: Tessdabest_35 Start: 28735, Stop: 27764, Start Num: 17

Candidate Starts for Tessdabest_35:

(Start: 17 @28735 has 31 MA's), (Start: 52 @28651 has 4 MA's), (Start: 58 @28636 has 1 MA's), (95, 28513), (99, 28489), (120, 28372), (121, 28369), (126, 28348), (135, 28309), (136, 28306), (137, 28300), (142, 28285), (147, 28264), (151, 28249), (162, 28192), (165, 28180), (172, 28141), (178, 28114), (182, 28102), (189, 28075), (196, 28036), (201, 28012), (206, 27997), (228, 27868), (229, 27853), (240, 27814),

Gene: Thespis_30 Start: 26805, Stop: 25912, Start Num: 60

Candidate Starts for Thespis_30:

(Start: 28 @26868 has 35 MA's), (Start: 60 @26805 has 13 MA's), (Start: 61 @26802 has 2 MA's), (85, 26730), (86, 26721), (99, 26670), (120, 26553), (121, 26550), (122, 26547), (129, 26517), (131, 26505), (135, 26490), (140, 26472), (147, 26445), (153, 26418), (154, 26412), (166, 26358), (168, 26352), (169, 26334), (182, 26283), (201, 26199), (216, 26109), (221, 26097), (228, 26055), (250, 25926),

Gene: Thimble_54 Start: 37045, Stop: 37926, Start Num: 57

Candidate Starts for Thimble_54:

(Start: 57 @37045 has 132 MA's), (Start: 63 @37057 has 3 MA's), (Start: 74 @37087 has 1 MA's), (85, 37144), (105, 37225), (107, 37249), (111, 37270), (114, 37282), (116, 37291), (122, 37330), (123, 37333), (129, 37360), (135, 37387), (138, 37399), (149, 37453), (156, 37489), (168, 37540), (175, 37588), (195, 37696), (205, 37735), (210, 37777), (217, 37816), (236, 37912), (238, 37918),

Gene: Thresher_55 Start: 38988, Stop: 39869, Start Num: 57

Candidate Starts for Thresher_55:

(Start: 57 @38988 has 132 MA's), (Start: 63 @39000 has 3 MA's), (Start: 74 @39030 has 1 MA's), (85, 39087), (105, 39168), (107, 39192), (111, 39213), (114, 39225), (116, 39234), (122, 39273), (123, 39276), (129, 39303), (135, 39330), (138, 39342), (149, 39396), (156, 39432), (168, 39483), (175, 39531), (195, 39639), (205, 39678), (210, 39720), (217, 39759), (236, 39855), (238, 39861),

Gene: Togo_46 Start: 39399, Stop: 38533, Start Num: 43

Candidate Starts for Togo_46:

(Start: 15 @39468 has 21 MA's), (Start: 31 @39420 has 5 MA's), (Start: 33 @39417 has 2 MA's), (Start: 43 @39399 has 4 MA's), (Start: 47 @39390 has 1 MA's), (86, 39258), (125, 39075), (128, 39063), (135, 39030), (147, 38988), (158, 38937), (165, 38898), (207, 38694), (209, 38685), (218, 38625), (228, 38577), (229, 38562), (232, 38550),

Gene: Tomaszewski_48 Start: 36996, Stop: 37865, Start Num: 63

Candidate Starts for Tomaszewski_48:

(Start: 57 @36984 has 132 MA's), (Start: 63 @36996 has 3 MA's), (Start: 74 @37026 has 1 MA's), (85, 37083), (105, 37164), (107, 37188), (111, 37209), (114, 37221), (116, 37230), (122, 37269), (123, 37272), (129, 37299), (135, 37326), (138, 37338), (149, 37392), (156, 37428), (168, 37479), (175, 37527), (195, 37635), (205, 37674), (210, 37716), (217, 37755), (236, 37851), (238, 37857),

Gene: Tortoise12_34 Start: 27421, Stop: 26450, Start Num: 17

Candidate Starts for Tortoise12_34:

(Start: 17 @27421 has 31 MA's), (19, 27412), (Start: 52 @27337 has 4 MA's), (Start: 58 @27322 has 1 MA's), (95, 27199), (99, 27175), (120, 27058), (121, 27055), (126, 27034), (135, 26995), (136, 26992), (137, 26986), (142, 26971), (147, 26950), (151, 26935), (162, 26878), (165, 26866), (172, 26827), (178, 26800), (182, 26788), (189, 26761), (196, 26722), (201, 26698), (206, 26683), (228, 26554), (240, 26500), (245, 26467),

Gene: Toto_51 Start: 38365, Stop: 39246, Start Num: 57

Candidate Starts for Toto_51:

(Start: 57 @38365 has 132 MA's), (Start: 63 @38377 has 3 MA's), (Start: 74 @38407 has 1 MA's), (85, 38464), (105, 38545), (107, 38569), (111, 38590), (114, 38602), (116, 38611), (122, 38650), (123, 38653), (129, 38680), (135, 38707), (138, 38719), (149, 38773), (156, 38809), (168, 38860), (175, 38908), (195, 39016), (205, 39055), (210, 39097), (217, 39136), (236, 39232), (238, 39238),

Gene: Traaww1_48 Start: 37546, Stop: 38427, Start Num: 57

Candidate Starts for Traaww1_48:

(Start: 57 @37546 has 132 MA's), (Start: 63 @37558 has 3 MA's), (Start: 74 @37588 has 1 MA's), (85, 37645), (105, 37726), (107, 37750), (111, 37771), (114, 37783), (116, 37792), (122, 37831), (123, 37834), (129, 37861), (135, 37888), (138, 37900), (149, 37954), (156, 37990), (168, 38041), (175, 38089), (195, 38197), (205, 38236), (210, 38278), (217, 38317), (236, 38413), (238, 38419),

Gene: Trogglehumper_82 Start: 64380, Stop: 63535, Start Num: 56

Candidate Starts for Trogglehumper_82:

(Start: 38 @64422 has 1 MA's), (Start: 56 @64380 has 1 MA's), (83, 64272), (103, 64185), (104, 64179), (107, 64155), (132, 64032), (137, 64014), (148, 63975), (172, 63855), (173, 63849), (181, 63813), (201, 63711), (211, 63666), (213, 63639), (215, 63633),

Gene: Tuco_53 Start: 38873, Stop: 39754, Start Num: 57

Candidate Starts for Tuco_53:

(Start: 57 @38873 has 132 MA's), (Start: 63 @38885 has 3 MA's), (Start: 74 @38915 has 1 MA's), (85, 38972), (105, 39053), (107, 39077), (111, 39098), (114, 39110), (116, 39119), (122, 39158), (123, 39161), (129, 39188), (135, 39215), (138, 39227), (149, 39281), (156, 39317), (168, 39368), (175, 39416), (195, 39524), (205, 39563), (210, 39605), (217, 39644), (236, 39740), (238, 39746),

Gene: Twister6_49 Start: 39200, Stop: 38334, Start Num: 43

Candidate Starts for Twister6_49:

(Start: 15 @39269 has 21 MA's), (Start: 31 @39221 has 5 MA's), (Start: 33 @39218 has 2 MA's), (Start: 43 @39200 has 4 MA's), (Start: 47 @39191 has 1 MA's), (86, 39059), (125, 38876), (128, 38864), (134, 38834), (135, 38831), (147, 38789), (158, 38738), (165, 38699), (166, 38696), (207, 38495), (209, 38486), (218, 38426), (228, 38378), (229, 38363), (232, 38351),

Gene: Ukulele_49 Start: 37259, Stop: 38140, Start Num: 57

Candidate Starts for Ukulele_49:

(Start: 57 @37259 has 132 MA's), (Start: 63 @37271 has 3 MA's), (Start: 74 @37301 has 1 MA's), (85, 37358), (105, 37439), (107, 37463), (111, 37484), (114, 37496), (116, 37505), (122, 37544), (123, 37547), (129, 37574), (135, 37601), (138, 37613), (149, 37667), (156, 37703), (168, 37754), (175, 37802), (195, 37910), (205, 37949), (210, 37991), (217, 38030), (236, 38126), (238, 38132),

Gene: UmaThurman_35 Start: 31152, Stop: 30235, Start Num: 18

Candidate Starts for UmaThurman_35:

(14, 31161), (Start: 18 @31152 has 1 MA's), (39, 31101), (40, 31098), (134, 30735), (147, 30690), (153, 30663), (156, 30648), (172, 30561), (201, 30414), (204, 30405), (207, 30396), (232, 30252), (234, 30249),

Gene: Valary_49 Start: 40311, Stop: 39376, Start Num: 15

Candidate Starts for Valary_49:

(Start: 15 @40311 has 21 MA's), (Start: 31 @40263 has 5 MA's), (Start: 33 @40260 has 2 MA's), (Start: 43 @40242 has 4 MA's), (Start: 47 @40233 has 1 MA's), (86, 40101), (125, 39918), (128, 39906), (135, 39873), (147, 39831), (158, 39780), (165, 39741), (207, 39537), (209, 39528), (218, 39468), (228, 39420), (229, 39405), (232, 39393),

Gene: VanDeWege_50 Start: 39603, Stop: 38668, Start Num: 15

Candidate Starts for VanDeWege_50:

(Start: 15 @39603 has 21 MA's), (Start: 31 @39555 has 5 MA's), (Start: 33 @39552 has 2 MA's), (Start: 43 @39534 has 4 MA's), (Start: 47 @39525 has 1 MA's), (86, 39393), (125, 39210), (128, 39198), (135, 39165), (147, 39123), (158, 39072), (165, 39033), (207, 38829), (209, 38820), (218, 38760), (228, 38712), (229, 38697), (232, 38685),

Gene: Venti_30 Start: 26875, Stop: 25919, Start Num: 28

Candidate Starts for Venti_30:

(Start: 28 @26875 has 35 MA's), (44, 26845), (Start: 60 @26812 has 13 MA's), (Start: 61 @26809 has 2 MA's), (85, 26737), (86, 26728), (88, 26722), (99, 26677), (120, 26560), (121, 26557), (122, 26554), (129, 26524), (131, 26512), (135, 26497), (140, 26479), (147, 26452), (153, 26425), (154, 26419), (166, 26365), (168, 26359), (182, 26290), (201, 26206), (212, 26146), (221, 26104), (228, 26062), (250, 25933),

Gene: Vidya_30 Start: 26845, Stop: 25919, Start Num: 60

Candidate Starts for Vidya_30:

(Start: 28 @26908 has 35 MA's), (44, 26878), (Start: 60 @26845 has 13 MA's), (Start: 61 @26842 has 2 MA's), (71, 26812), (72, 26809), (85, 26737), (86, 26728), (88, 26722), (99, 26677), (120, 26560), (121, 26557), (122, 26554), (129, 26524), (131, 26512), (135, 26497), (140, 26479), (147, 26452), (153, 26425), (154, 26419), (166, 26365), (168, 26359), (169, 26341), (182, 26290), (201, 26206), (212, 26146), (221, 26104), (250, 25933),

Gene: Vordorf_34 Start: 29605, Stop: 28745, Start Num: 48

Candidate Starts for Vordorf_34:

(7, 29749), (Start: 18 @29683 has 1 MA's), (Start: 48 @29605 has 3 MA's), (84, 29500), (92, 29470), (99, 29437), (120, 29320), (142, 29233), (146, 29215), (147, 29212), (168, 29119), (172, 29089), (174, 29074), (182, 29050), (189, 29023), (201, 28960), (215, 28873), (221, 28858), (237, 28771),

Gene: WST1_36 Start: 26784, Stop: 25912, Start Num: 53

Candidate Starts for WST1_36:

(Start: 15 @26874 has 21 MA's), (30, 26826), (42, 26805), (Start: 53 @26784 has 1 MA's), (82, 26697), (120, 26508), (121, 26505), (123, 26499), (136, 26442), (137, 26436), (142, 26421), (147, 26400), (154, 26367), (165, 26316), (168, 26307), (170, 26286), (178, 26250), (182, 26238), (189, 26211), (192, 26187), (201, 26148), (206, 26133), (212, 26088), (221, 26046), (242, 25926),

Gene: Wiggin_54 Start: 37947, Stop: 38828, Start Num: 57

Candidate Starts for Wiggin_54:

(Start: 57 @37947 has 132 MA's), (Start: 63 @37959 has 3 MA's), (Start: 74 @37989 has 1 MA's), (85, 38046), (105, 38127), (107, 38151), (111, 38172), (114, 38184), (116, 38193), (122, 38232), (123, 38235), (129, 38262), (135, 38289), (138, 38301), (149, 38355), (156, 38391), (168, 38442), (175, 38490), (195, 38598), (205, 38637), (210, 38679), (217, 38718), (236, 38814), (238, 38820),

Gene: Willez_46 Start: 35849, Stop: 36730, Start Num: 57

Candidate Starts for Willez_46:

(Start: 57 @35849 has 132 MA's), (Start: 63 @35861 has 3 MA's), (Start: 74 @35891 has 1 MA's), (85, 35948), (105, 36029), (107, 36053), (111, 36074), (114, 36086), (116, 36095), (122, 36134), (123, 36137), (129, 36164), (135, 36191), (138, 36203), (149, 36257), (156, 36293), (168, 36344), (175, 36392), (195, 36500), (205, 36539), (210, 36581), (217, 36620), (236, 36716), (238, 36722),

Gene: Willsammy_29 Start: 26615, Stop: 25659, Start Num: 28

Candidate Starts for Willsammy_29:

(Start: 28 @26615 has 35 MA's), (Start: 60 @26552 has 13 MA's), (Start: 61 @26549 has 2 MA's), (85, 26477), (86, 26468), (99, 26417), (120, 26300), (121, 26297), (122, 26294), (129, 26264), (131, 26252), (135, 26237), (140, 26219), (147, 26192), (153, 26165), (154, 26159), (166, 26105), (168, 26099), (169, 26081), (182, 26030), (201, 25946), (216, 25856), (221, 25844), (228, 25802), (250, 25673),

Gene: Wizard_46 Start: 39461, Stop: 38574, Start Num: 31

Candidate Starts for Wizard_46:

(Start: 15 @39509 has 21 MA's), (Start: 31 @39461 has 5 MA's), (Start: 33 @39458 has 2 MA's), (Start: 43 @39440 has 4 MA's), (Start: 47 @39431 has 1 MA's), (86, 39299), (125, 39116), (128, 39104), (135, 39071), (147, 39029), (158, 38978), (165, 38939), (207, 38735), (209, 38726), (218, 38666), (228, 38618), (229, 38603), (232, 38591),

Gene: Xandras_52 Start: 37358, Stop: 38239, Start Num: 57

Candidate Starts for Xandras_52:

(Start: 57 @37358 has 132 MA's), (Start: 63 @37370 has 3 MA's), (Start: 74 @37400 has 1 MA's), (85, 37457), (105, 37538), (107, 37562), (111, 37583), (114, 37595), (116, 37604), (122, 37643), (123, 37646), (129, 37673), (135, 37700), (138, 37712), (149, 37766), (156, 37802), (168, 37853), (175,

37901), (195, 38009), (205, 38048), (210, 38090), (217, 38129), (236, 38225), (238, 38231),

Gene: Xeno_33 Start: 27175, Stop: 26204, Start Num: 17

Candidate Starts for Xeno_33:

(Start: 17 @27175 has 31 MA's), (Start: 52 @27091 has 4 MA's), (Start: 58 @27076 has 1 MA's), (95, 26953), (99, 26929), (120, 26812), (121, 26809), (126, 26788), (135, 26749), (136, 26746), (137, 26740), (142, 26725), (147, 26704), (151, 26689), (162, 26632), (165, 26620), (172, 26581), (178, 26554), (182, 26542), (189, 26515), (196, 26476), (201, 26452), (206, 26437), (228, 26308), (240, 26254),

Gene: Xerxes_36 Start: 28735, Stop: 27764, Start Num: 17

Candidate Starts for Xerxes_36:

(Start: 17 @28735 has 31 MA's), (Start: 52 @28651 has 4 MA's), (Start: 58 @28636 has 1 MA's), (95, 28513), (99, 28489), (120, 28372), (121, 28369), (126, 28348), (135, 28309), (136, 28306), (137, 28300), (142, 28285), (147, 28264), (151, 28249), (162, 28192), (165, 28180), (172, 28141), (178, 28114), (182, 28102), (189, 28075), (196, 28036), (201, 28012), (206, 27997), (228, 27868), (229, 27853), (240, 27814),

Gene: Xula_28 Start: 26499, Stop: 25609, Start Num: 60

Candidate Starts for Xula_28:

(Start: 28 @26562 has 35 MA's), (Start: 60 @26499 has 13 MA's), (86, 26415), (92, 26397), (120, 26247), (121, 26244), (122, 26241), (129, 26211), (131, 26199), (135, 26184), (137, 26175), (140, 26166), (147, 26139), (153, 26112), (154, 26106), (166, 26052), (168, 26046), (178, 25989), (182, 25977), (201, 25893), (206, 25878), (216, 25803), (221, 25791), (228, 25749), (246, 25656), (249, 25641),

Gene: YassJohnny_48 Start: 37024, Stop: 37905, Start Num: 57

Candidate Starts for YassJohnny_48:

(Start: 57 @37024 has 132 MA's), (Start: 63 @37036 has 3 MA's), (Start: 74 @37066 has 1 MA's), (85, 37123), (105, 37204), (107, 37228), (111, 37249), (114, 37261), (116, 37270), (122, 37309), (123, 37312), (129, 37339), (135, 37366), (138, 37378), (149, 37432), (156, 37468), (168, 37519), (175, 37567), (195, 37675), (205, 37714), (210, 37756), (217, 37795), (236, 37891), (238, 37897),

Gene: Youngblood_54 Start: 38532, Stop: 39413, Start Num: 57

Candidate Starts for Youngblood_54:

(Start: 57 @38532 has 132 MA's), (Start: 63 @38544 has 3 MA's), (Start: 74 @38574 has 1 MA's), (85, 38631), (105, 38712), (107, 38736), (111, 38757), (114, 38769), (116, 38778), (122, 38817), (123, 38820), (129, 38847), (135, 38874), (138, 38886), (149, 38940), (156, 38976), (168, 39027), (175, 39075), (195, 39183), (205, 39222), (210, 39264), (217, 39303), (236, 39399), (238, 39405),

Gene: Zilizebeth_30 Start: 26907, Stop: 25918, Start Num: 28

Candidate Starts for Zilizebeth_30:

(Start: 28 @26907 has 35 MA's), (44, 26877), (Start: 60 @26844 has 13 MA's), (Start: 61 @26841 has 2 MA's), (71, 26811), (72, 26808), (85, 26736), (86, 26727), (88, 26721), (99, 26676), (120, 26559), (121, 26556), (122, 26553), (129, 26523), (131, 26511), (135, 26496), (140, 26478), (147, 26451), (153, 26424), (154, 26418), (166, 26364), (168, 26358), (169, 26340), (182, 26289), (201, 26205), (212, 26145), (221, 26103), (228, 26061), (250, 25932),

Gene: xkcd_56 Start: 38722, Stop: 39603, Start Num: 57

Candidate Starts for xkcd_56:

(Start: 57 @38722 has 132 MA's), (Start: 63 @38734 has 3 MA's), (Start: 74 @38764 has 1 MA's), (85, 38821), (105, 38902), (107, 38926), (111, 38947), (114, 38959), (116, 38968), (122, 39007), (123, 39010), (129, 39037), (135, 39064), (138, 39076), (149, 39130), (156, 39166), (168, 39217), (175,

39265), (195, 39373), (205, 39412), (210, 39454), (217, 39493), (236, 39589), (238, 39595),