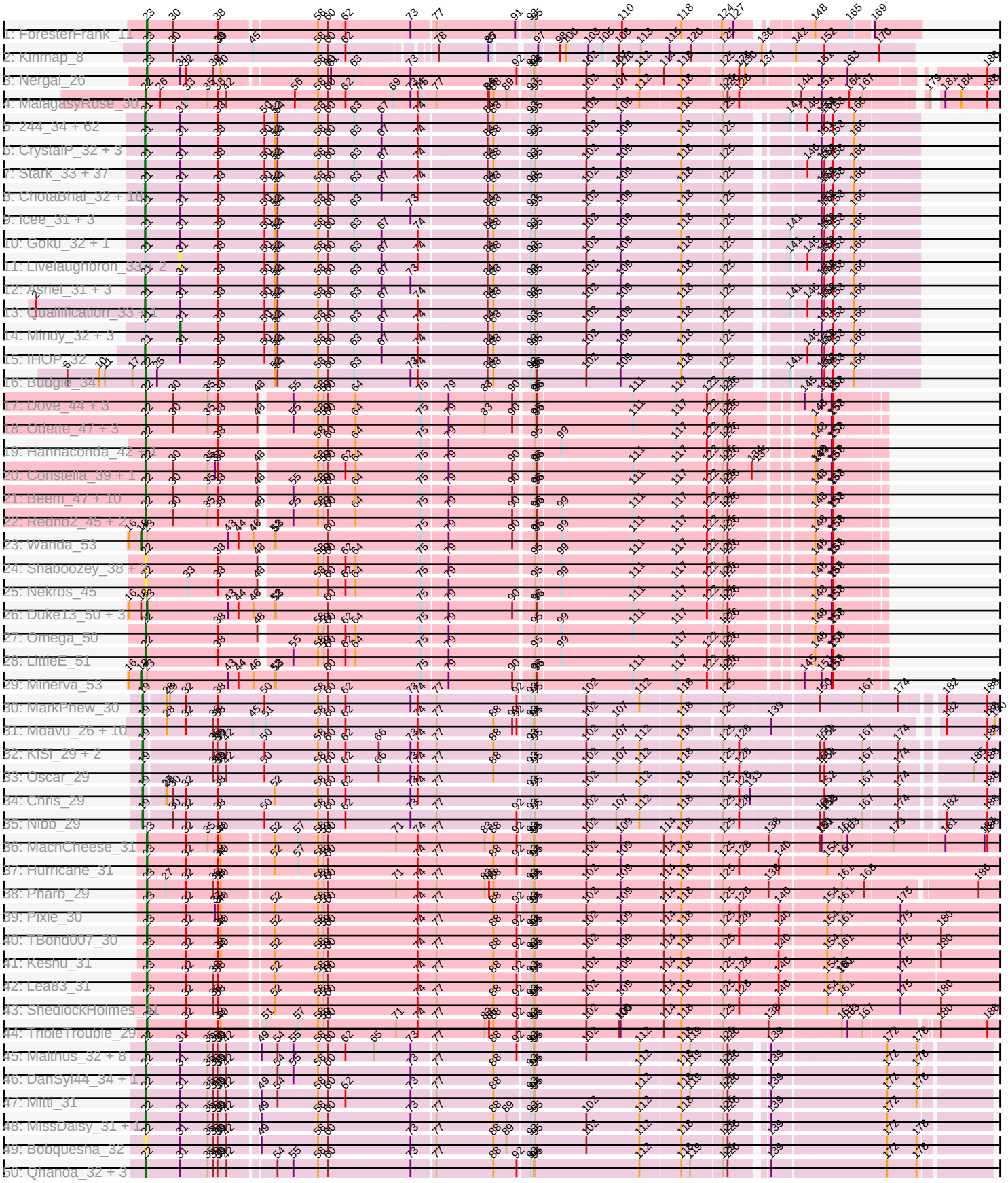
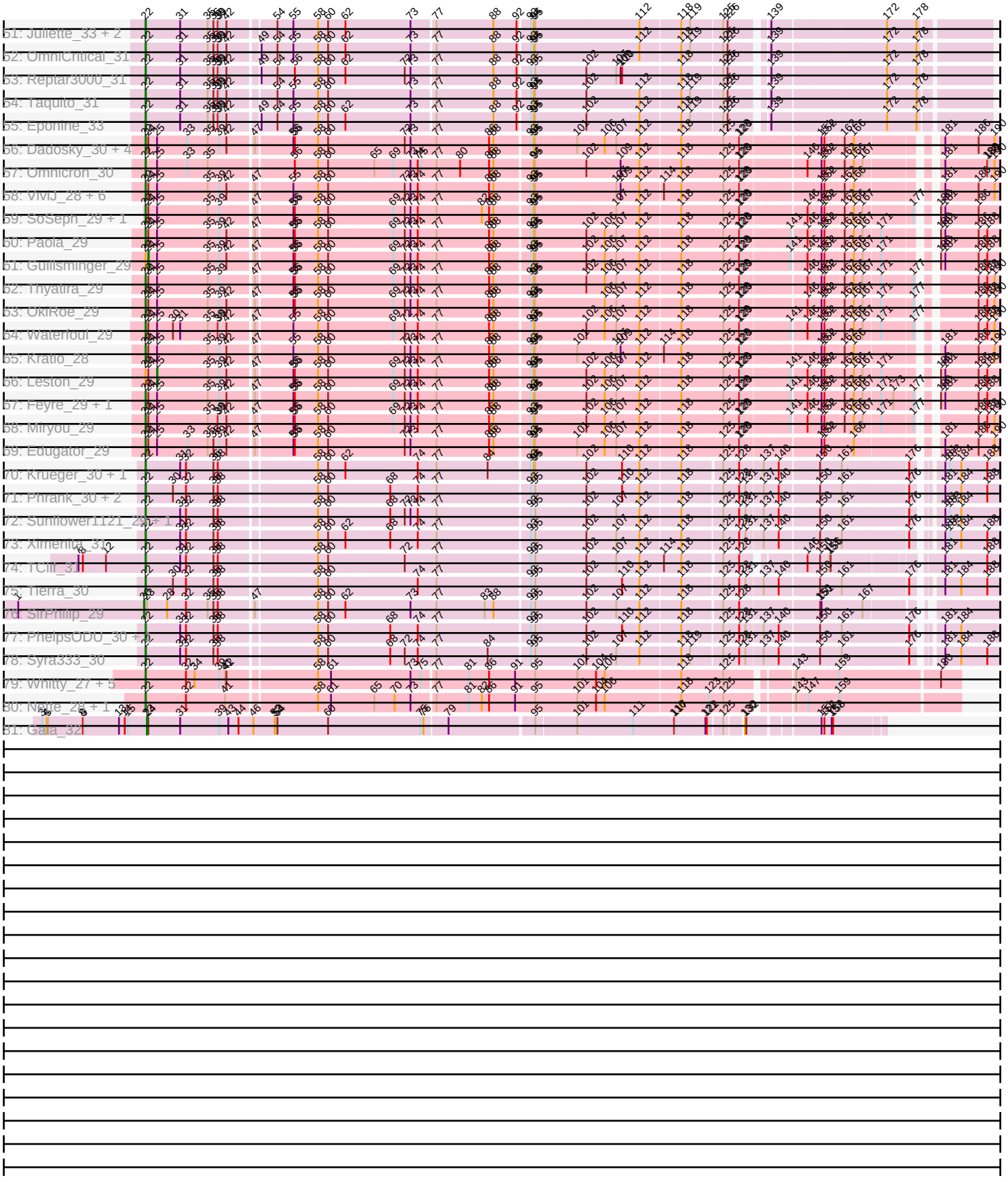
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51: Juliette_33 + 2
52: OmniCritical_31
53: Replar3000_31
54: Taquito_31
55: Eponine_33
56: Dadosky_30 + 4
57: Omnicron_30
58: VIVID_28 + 6
59: SoSeph_29 + 1
60: Paola_29
61: Gullsminger_29
62: Thyatira_29
63: OkiRoe_29
64: Waterfoul_29
65: Kratio_28
66: Leston_29
67: Feyre_29 + 1
68: Mihyou_29
69: Edugator_29
70: Krueger_30 + 1
71: Phrank_30 + 2
72: Sunflower1121_29 + 1
73: Ximenita_31
74: TCliff_31
75: Tierra_30
76: SirPhilip_29
77: PhelpsODU_30 + 2
78: Syra333_30
79: Whitty_27 + 5
80: Nellie_28 + 1
81: Gaia_32

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 347184 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347184 has 289 members, 27 are drafts.

Phages represented in each track:
• Track 1 : ForesterFrank_11
• Track 2 : Kinmap_8
• Track 3 : Nergal_26
• Track 4 : MalagasyRose_30
• Track 5 : 244_34, PhatBacter_32, BugsBunny_30, MPhalcon_31, Elph10_33, Phrux_32, Goldilocks_33, BadStone_31, StormChicken_32, MollyToe_32, HufflyPuff_31, Petra64142_34, HanKaySha_33, DoctorDiddles_32, Bask21_32, FireRed_32, Xandras_34, MISSy_31, Nimrod_32, Saints25_33, Paperbeatsrock_34, StolenFromERC_34, Holt_33, StellaBean_32, Policronamos_32, Palpatine_32, JeTaime_34, Thimble_32, Stank_35, Hoonter_34, FairyPath_32, TeamEdward_32, Lilac_34, Ukulele_32, TBrady12_34, Becksu_32, Phaux_31, Rimmer_31, Dumbo_32, SophKB_32, Easy2Say_34, Czyszczon1_33, Buck_31, Kanye_34, Highbury_33, FoghornLeghorn_31, Dusk_31, BigBubba_33, Lilizi_34, Hopey_34, OrionPax_33, Porky_32, Pumpkin_34, AmericanBeauty_34, MadamMonkfish_32, Murica_31, Brewer_32, Murphy_33, Pharsalus_33, xkcd_33, Miniwave_32, Gator_30, Tarkin_34
• Track 6 : CrystalP_32, Henry_33, BilboSwaggins_32, ShamWow_32
• Track 7 : Stark_33, Gemini_35, Cjw1_32, Elite2014_31, Misfit_32, Ptowny_33, Emmina_33, Moldemort_33, BaboJay_31, Simpliphy_33, Gage_34, ChosenOne_32, Lilpickle_31, Phaja_32, Bruin_32, Argent26_34, Bench_34, Rakim_33, NonchalantPear_32, Kimchi_34, Nala_32, ShereKhan_34, Filch_33, YassJohnny_33, Teaspoon_33, NoSleep_33, RiverMonster_32, Adnama_35, Bogg_32, GoldenSpark_34, Thresher_33, Maxxinista_33, Balomoji_31, GooberAzure_34, Terminus_32, Wiggin_35, Command613_33, Inca_31
• Track 8 : ChotaBhai_32, Glexan_30, ABCat_31, Willez_31, Tuco_33, DrDrey_33, Contagion_31, Tomaszewski_31, Mosby_31, Flypotenuse_30, Myrale_32, Manda_33, Marshmallow_32, Cookies_32, Harella_31, SirDuracell_31, Youngblood_32, Pat3_31, Sassay_31
• Track 9 : Icee_31, NelitzaMV_32, Sotrice96_32, Cactus_33
• Track 10 : Goku_32, Eureka_32
• Track 11 : Livelaughbron_33, PaddyBaddy_33, Greep_33
• Track 12 : Asriel_31, Traaww1_30, Barbarian_31, TeardropMSU_31
• Track 13 : Quallification_33, Amao_32
• Track 14 : Mindy_32, Daikon_31, Kostya_33, Toto_32
• Track 15 : IHOP_32
• Track 16 : Budgie_34
• Track 17 : Dove_44, Klein_47, NihilNomen_46, Pound_48
• Track 18 : Odette_47, JuicyJay_49, Schatzie_44, Bombitas_43

• Track 19 : Hannaconda_42, KashFlow_39
• Track 20 : Constella_39, Xiaokay_42
• Track 21 : Beem_47, Hughesyang_45, Halley_47, ThreeRngTarjay_45, Ejimix_47, Kalah2_47, Yeet_45, Phoebus_46, HokkenD_40, Bagrid_46, EricMillard_47
• Track 22 : Redno2_45, Dallas_49, Zelink_48
• Track 23 : Wanda_53
• Track 24 : Shaboozey_38, BronnyJames_38, Nibley_41
• Track 25 : Nekros_45
• Track 26 : Duke13_50, Optimus_52, BAKA_51, DmpstrDiver_48
• Track 27 : Omega_50
• Track 28 : LittleE_51
• Track 29 : Minerva_53
• Track 30 : MarkPhew_30
• Track 31 : Mdavu_26, Teejan_26, Trice_26, Enkosi_26, LilPharaoh_26, Biglebops_26, Torres_26, Amelie_26, Nikao_26, SgtBeansprout_26, Nutello_26
• Track 32 : KiSi_29, LeMond_29, Scarlett_29
• Track 33 : Oscar_29
• Track 34 : Chris_29
• Track 35 : Nibb_29
• Track 36 : MacnCheese_31
• Track 37 : Hurricane_31
• Track 38 : Pharb_29
• Track 39 : Pixie_30
• Track 40 : TBond007_30
• Track 41 : Keshu_31
• Track 42 : Lea83_31
• Track 43 : ShedlockHolmes_31
• Track 44 : TribleTrouble_29
• Track 45 : Malthus_32, Y10_31, YasnayaPolyana_31, Fionnbharth_31, Kraw_31, JF1_31, Nolwazi_32, Y2_31, Wintermute_31
• Track 46 : DanSyl44_34, Lebo14_31
• Track 47 : Mitti_31
• Track 48 : MissDaisy_31, Patt_31
• Track 49 : Bobquesha_32
• Track 50 : Qhanda_32, Chancellor_31, Cheetobro_31, Slarp_31
• Track 51 : Juliette_33, SamScheppers_31, Ruthiejr_32
• Track 52 : OmniCritical_31
• Track 53 : Reptar3000_31
• Track 54 : Taquito_31
• Track 55 : Eponine_33
• Track 56 : Dadosky_30, Neighly_30, Larva_30, Psycho_30, AlleyCat_30
• Track 57 : Omnicron_30
• Track 58 : ViviJ_28, LilDirt_28, InvictusManeo_29, Collard_29, BananenDer11_29, DoubleChamp_29, Agent47_29
• Track 59 : SoSeph_29, Heftyboy_29
• Track 60 : Paola_29
• Track 61 : Guillsminger_29
• Track 62 : Thyatira_29
• Track 63 : OkiRoe_29
• Track 64 : Waterfoul_29
• Track 65 : Kratio_28
• Track 66 : Leston_29
• Track 67 : Feyre_29, Gengar_29

• Track 68 : Miryou_29
• Track 69 : Edugator_29
• Track 70 : Krueger_30, Tigress9_30
• Track 71 : Phrank_30, Cain_30, Bryler_30
• Track 72 : Sunflower1121_29, Shadow1_29
• Track 73 : Ximenita_31
• Track 74 : TClif_31
• Track 75 : Tierra_30
• Track 76 : SirPhilip_29
• Track 77 : PhelpsODU_30, Unicorn_30
• Track 78 : Syra333_30
• Track 79 : Whitty_27, ZenTime222_27, RonRayGun_27, Nairb_27, Bernal13_27, Ibrahim_27
• Track 80 : Nette_28, Mendokysei_26
• Track 81 : Gaia_32

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

The start number called the most often in the published annotations is 21, it was called in 130 of the 262 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 244_34, ABCat_31, Adnama_35, Amao_32, AmericanBeauty_34, Argent26_34, Asriel_31, BaboJay_31, BadStone_31, Balomoji_31, Barbarian_31, Bask21_32, Becksu_32, Bench_34, BigBubba_33, BilboSwaggins_32, Bogg_32, Brewer_32, Bruin_32, Buck_31, BugsBunny_30, Cactus_33, ChosenOne_32, ChotaBhai_32, Cjw1_32, Command613_33, Contagion_31, Cookies_32, CrystalP_32, Czyszczon1_33, DoctorDiddles_32, DrDrey_33, Dumbo_32, Dusk_31, Easy2Say_34, Elite2014_31, Elph10_33, Emmina_33, Eureka_32, FairyPath_32, Filch_33, FireRed_32, Flypotenuse_30, FoghornLeghorn_31, Gage_34, Gator_30, Gemini_35, Glexan_30, Goku_32, GoldenSpark_34, Goldilocks_33, GooberAzure_34, HanKaySha_33, Harella_31, Henry_33, Highbury_33, Holt_33, Hoonter_34, Hopey_34, HufflyPuff_31, IHOP_32, Icee_31, Inca_31, JeTaime_34, Kanye_34, Kimchi_34, Lilac_34, Lilizi_34, Lilpickle_31, MISSy_31, MPhalcon_31, MadamMonkfish_32, Manda_33, Marshmallow_32, Maxxinista_33, Miniwave_32, Misfit_32, Moldemort_33, MollyToe_32, Mosby_31, Murica_31, Murphy_33, Myrale_32, Nala_32, NelitzaMV_32, Nimrod_32, NoSleep_33, NonchalantPear_32, OrionPax_33, Palpatine_32, Paperbeatsrock_34, Pat3_31, Petra64142_34, Phaja_32, Pharsalus_33, PhatBacter_32, Phaux_31, Phrux_32, Policronamos_32, Porky_32, Ptowny_33, Pumpkin_34, Quallification_33, Rakim_33, Rimmer_31, RiverMonster_32, Saints25_33, Sassay_31, ShamWow_32, ShereKhan_34, Simpliphy_33, SirDuracell_31, SophKB_32, Sotrice96_32, Stank_35, Stark_33, StellaBean_32, StolenFromERC_34, StormChicken_32, TBrady12_34, Tarkin_34, TeamEdward_32, TeardropMSU_31, Teaspoon_33, Terminus_32, Thimble_32, Thresher_33, Tomaszewski_31, Traaww1_30, Tuco_33, Ukulele_32, Wiggin_35, Willez_31, Xandras_34, YassJohnny_33, Youngblood_32, xkcd_33,

Genes that have the "Most Annotated" start but do not call it:
• Daikon_31, Greep_33, Kostya_33, Livelaughbron_33, Mindy_32, PaddyBaddy_33, Toto_32,

Genes that do not have the "Most Annotated" start:
• Agent47_29, AlleyCat_30, Amelie_26, BAKA_51, Bagrid_46, BananenDer11_29, Beem_47, Bernal13_27, Biglebops_26, Bobquesha_32, Bombitas_43, BronnyJames_38, Bryler_30, Budgie_34, Cain_30, Chancellor_31, Cheetobro_31, Chris_29, Collard_29, Constella_39, Dadosky_30, Dallas_49, DanSyl44_34, DmpstrDiver_48, DoubleChamp_29, Dove_44, Duke13_50, Edugator_29, Ejimix_47, Enkosi_26, Eponine_33, EricMillard_47, Feyre_29, Fionnbharth_31, ForesterFrank_11, Gaia_32, Gengar_29, Guillsminger_29, Halley_47, Hannaconda_42, Heftyboy_29, HokkenD_40, Hughesyang_45, Hurricane_31, Ibrahim_27, InvictusManeo_29, JF1_31, JuicyJay_49, Juliette_33, Kalah2_47, KashFlow_39, Keshu_31, KiSi_29, Kinmap_8, Klein_47, Kratio_28, Kraw_31, Krueger_30, Larva_30, LeMond_29, Lea83_31, Lebo14_31, Leston_29, LilDirt_28, LilPharaoh_26, LittleE_51, MacnCheese_31, MalagasyRose_30, Malthus_32, MarkPhew_30, Mdavu_26, Mendokysei_26, Minerva_53, Miryou_29, MissDaisy_31, Mitti_31, Nairb_27, Neighly_30, Nekros_45, Nergal_26, Nette_28, Nibb_29, Nibley_41, NihilNomen_46, Nikao_26, Nolwazi_32, Nutello_26, Odette_47, OkiRoe_29, Omega_50, OmniCritical_31, Omnicron_30, Optimus_52, Oscar_29, Paola_29, Patt_31, Pharb_29, PhelpsODU_30, Phoebus_46, Phrank_30, Pixie_30, Pound_48, Psycho_30, Qhanda_32, Redno2_45, Reptar3000_31, RonRayGun_27, Ruthiejr_32, SamScheppers_31, Scarlett_29, Schatzie_44, SgtBeansprout_26, Shaboozey_38, Shadow1_29, ShedlockHolmes_31, SirPhilip_29, Slarp_31, SoSeph_29, Sunflower1121_29, Syra333_30, TBond007_30, TClif_31, Taquito_31, Teejan_26, ThreeRngTarjay_45, Thyatira_29, Tierra_30, Tigress9_30, Torres_26, TribleTrouble_29, Trice_26, Unicorn_30, ViviJ_28, Wanda_53, Waterfoul_29, Whitty_27, Wintermute_31, Xiaokay_42, Ximenita_31, Y10_31, Y2_31, YasnayaPolyana_31, Yeet_45, Zelink_48, ZenTime222_27,

Summary by start number:

Start 18:
• Found in 6 of 289 (2.1%) of genes in pham
• Manual Annotations of this start: 2 of 262
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Minerva_53 (J), Wanda_53 (J),

Start 19:
• Found in 18 of 289 (6.2%) of genes in pham
• Manual Annotations of this start: 16 of 262
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amelie_26 (K1), Biglebops_26 (K1), Chris_29 (K1), Enkosi_26 (K1), KiSi_29 (K1), LeMond_29 (K1), LilPharaoh_26 (K1), MarkPhew_30 (K1), Mdavu_26 (K1), Nibb_29 (K1), Nikao_26 (K1), Nutello_26 (K1), Oscar_29 (K1), Scarlett_29 (K1), SgtBeansprout_26 (K1), Teejan_26 (K1), Torres_26 (K1), Trice_26 (K1),

Start 20:
• Found in 1 of 289 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 262
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SirPhilip_29 (K6),

Start 21:

• Found in 144 of 289 (49.8%) of genes in pham
• Manual Annotations of this start: 130 of 262
• Called 95.1% of time when present
• Phage (with cluster) where this start called: 244_34 (E), ABCat_31 (E), Adnama_35 (E), Amao_32 (E), AmericanBeauty_34 (E), Argent26_34 (E), Asriel_31 (E), BaboJay_31 (E), BadStone_31 (E), Balomoji_31 (E), Barbarian_31 (E), Bask21_32 (E), Becksu_32 (E), Bench_34 (E), BigBubba_33 (E), BilboSwaggins_32 (E), Bogg_32 (E), Brewer_32 (E), Bruin_32 (E), Buck_31 (E), BugsBunny_30 (E), Cactus_33 (E), ChosenOne_32 (E), ChotaBhai_32 (E), Cjw1_32 (E), Command613_33 (E), Contagion_31 (E), Cookies_32 (E), CrystalP_32 (E), Czyszczon1_33 (E), DoctorDiddles_32 (E), DrDrey_33 (E), Dumbo_32 (E), Dusk_31 (E), Easy2Say_34 (E), Elite2014_31 (E), Elph10_33 (E), Emmina_33 (E), Eureka_32 (E), FairyPath_32 (E), Filch_33 (E), FireRed_32 (E), Flypotenuse_30 (E), FoghornLeghorn_31 (E), Gage_34 (E), Gator_30 (E), Gemini_35 (E), Glexan_30 (E), Goku_32 (E), GoldenSpark_34 (E), Goldilocks_33 (E), GooberAzure_34 (E), HanKaySha_33 (E), Harella_31 (E), Henry_33 (E), Highbury_33 (E), Holt_33 (E), Hoonter_34 (E), Hopey_34 (E), HufflyPuff_31 (E), IHOP_32 (E), Icee_31 (E), Inca_31 (E), JeTaime_34 (E), Kanye_34 (E), Kimchi_34 (E), Lilac_34 (E), Lilizi_34 (E), Lilpickle_31 (E), MISSy_31 (E), MPhalcon_31 (E), MadamMonkfish_32 (E), Manda_33 (E), Marshmallow_32 (E), Maxxinista_33 (E), Miniwave_32 (E), Misfit_32 (E), Moldemort_33 (E), MollyToe_32 (E), Mosby_31 (E), Murica_31 (E), Murphy_33 (E), Myrale_32 (E), Nala_32 (E), NelitzaMV_32 (E), Nimrod_32 (E), NoSleep_33 (E), NonchalantPear_32 (E), OrionPax_33 (E), Palpatine_32 (E), Paperbeatsrock_34 (E), Pat3_31 (E), Petra64142_34 (E), Phaja_32 (E), Pharsalus_33 (E), PhatBacter_32 (E), Phaux_31 (E), Phrux_32 (E), Policronamos_32 (E), Porky_32 (E), Ptowny_33 (E), Pumpkin_34 (E), Quallification_33 (E), Rakim_33 (E), Rimmer_31 (E), RiverMonster_32 (E), Saints25_33 (E), Sassay_31 (E), ShamWow_32 (E), ShereKhan_34 (E), Simpliphy_33 (E), SirDuracell_31 (E), SophKB_32 (E), Sotrice96_32 (E), Stank_35 (E), Stark_33 (E), StellaBean_32 (E), StolenFromERC_34 (E), StormChicken_32 (E), TBrady12_34 (E), Tarkin_34 (E), TeamEdward_32 (E), TeardropMSU_31 (E), Teaspoon_33 (E), Terminus_32 (E), Thimble_32 (E), Thresher_33 (E), Tomaszewski_31 (E), Traaww1_30 (E), Tuco_33 (E), Ukulele_32 (E), Wiggin_35 (E), Willez_31 (E), Xandras_34 (E), YassJohnny_33 (E), Youngblood_32 (E), xkcd_33 (E),

Start 22:
• Found in 107 of 289 (37.0%) of genes in pham
• Manual Annotations of this start: 91 of 262
• Called 98.1% of time when present
• Phage (with cluster) where this start called: Agent47_29 (K5), AlleyCat_30 (K5), Bagrid_46 (J), BananenDer11_29 (K5), Beem_47 (J), Bernal13_27 (T), Bobquesha_32 (K4), Bombitas_43 (J), BronnyJames_38 (J), Bryler_30 (K6), Budgie_34 (E), Cain_30 (K6), Chancellor_31 (K4), Cheetobro_31 (K4), Collard_29 (K5), Constella_39 (J), Dadosky_30 (K5), Dallas_49 (J), DanSyl44_34 (K4), DoubleChamp_29 (K5), Dove_44 (J), Edugator_29 (K5), Ejimix_47 (J), Eponine_33 (K4), EricMillard_47 (J), Feyre_29 (K5), Fionnbharth_31 (K4), Gengar_29 (K5), Halley_47 (J), Hannaconda_42 (J), Heftyboy_29 (K5), HokkenD_40 (J), Hughesyang_45 (J), Ibrahim_27 (T), InvictusManeo_29 (K5), JF1_31 (K4), JuicyJay_49 (J), Juliette_33 (K4), Kalah2_47 (J), KashFlow_39 (J), Klein_47 (J), Kratio_28 (K5), Kraw_31 (K4), Krueger_30 (K6), Larva_30 (K5), Lebo14_31 (K4), LilDirt_28 (K5), LittleE_51 (J), MalagasyRose_30 (AG), Malthus_32 (K4), Mendokysei_26 (T), Miryou_29 (K5), MissDaisy_31 (K4), Mitti_31 (K4), Nairb_27 (T), Neighly_30 (K3), Nekros_45 (J), Nette_28 (T), Nibley_41 (J), NihilNomen_46 (J),

Nolwazi_32 (K4), Odette_47 (J), OkiRoe_29 (K5), Omega_50 (J), OmniCritical_31 (K4), Omnicron_30 (K5), Paola_29 (K5), Patt_31 (K4), PhelpsODU_30 (K6), Phoebus_46 (J), Phrank_30 (K6), Pound_48 (J), Psycho_30 (K5), Qhanda_32 (K4), Redno2_45 (J), Reptar3000_31 (K4), RonRayGun_27 (T), Ruthiejr_32 (K4), SamScheppers_31 (K4), Schatzie_44 (J), Shaboozey_38 (J), Shadow1_29 (K6), Slarp_31 (K4), SoSeph_29 (K5), Sunflower1121_29 (K6), Syra333_30 (K6), TClif_31 (K6), Taquito_31 (K4), ThreeRngTarjay_45 (J), Thyatira_29 (K5), Tierra_30 (K6), Tigress9_30 (K6), Unicorn_30 (K6), ViviJ_28 (K5), Waterfoul_29 (K5), Whitty_27 (T), Wintermute_31 (K4), Xiaokay_42 (J), Ximenita_31 (K6), Y10_31 (K4), Y2_31 (K4), YasnayaPolyana_31 (K4), Yeet_45 (J), Zelink_48 (J), ZenTime222_27 (T),

Start 23:
• Found in 20 of 289 (6.9%) of genes in pham
• Manual Annotations of this start: 17 of 262
• Called 85.0% of time when present
• Phage (with cluster) where this start called: BAKA_51 (J), DmpstrDiver_48 (J), Duke13_50 (J), ForesterFrank_11 (A2), Gaia_32 (X), Hurricane_31 (K3), Keshu_31 (K3), Kinmap_8 (A21), Lea83_31 (K3), MacnCheese_31 (K3), Nergal_26 (AG), Optimus_52 (J), Pharb_29 (K3), Pixie_30 (K3), ShedlockHolmes_31 (K3), TBond007_30 (K3), TribleTrouble_29 (K3),

Start 24:
• Found in 26 of 289 (9.0%) of genes in pham
• Manual Annotations of this start: 1 of 262
• Called 3.8% of time when present
• Phage (with cluster) where this start called: Guillsminger_29 (K5),

Start 25:
• Found in 27 of 289 (9.3%) of genes in pham
• Manual Annotations of this start: 1 of 262
• Called 3.7% of time when present
• Phage (with cluster) where this start called: Leston_29 (K5),

Start 31:
• Found in 182 of 289 (63.0%) of genes in pham
• Manual Annotations of this start: 3 of 262
• Called 3.8% of time when present
• Phage (with cluster) where this start called: Daikon_31 (E), Greep_33 (E), Kostya_33 (E), Livelaughbron_33 (E), Mindy_32 (E), PaddyBaddy_33 (E), Toto_32 (E),

Summary by clusters:

There are 12 clusters represented in this pham: A21, E, AG, J, K3, K1, A2, K6, K5, K4, X, T,

Info for manual annotations of cluster A2:
•Start number 23 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A21:
•Start number 23 was manually annotated 1 time for cluster A21.

Info for manual annotations of cluster AG:

•Start number 22 was manually annotated 1 time for cluster AG.
•Start number 23 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster E:
•Start number 21 was manually annotated 130 times for cluster E.
•Start number 22 was manually annotated 1 time for cluster E.
•Start number 31 was manually annotated 3 times for cluster E.

Info for manual annotations of cluster J:
•Start number 18 was manually annotated 2 times for cluster J.
•Start number 22 was manually annotated 25 times for cluster J.
•Start number 23 was manually annotated 4 times for cluster J.

Info for manual annotations of cluster K1:
•Start number 19 was manually annotated 16 times for cluster K1.

Info for manual annotations of cluster K3:
•Start number 23 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 22 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:
•Start number 22 was manually annotated 22 times for cluster K5.
•Start number 24 was manually annotated 1 time for cluster K5.
•Start number 25 was manually annotated 1 time for cluster K5.

Info for manual annotations of cluster K6:
•Start number 20 was manually annotated 1 time for cluster K6.
•Start number 22 was manually annotated 13 times for cluster K6.

Info for manual annotations of cluster T:
•Start number 22 was manually annotated 7 times for cluster T.

Info for manual annotations of cluster X:
•Start number 23 was manually annotated 1 time for cluster X.

Gene Information:

Gene: 244_34 Start: 29921, Stop: 31423, Start Num: 21
Candidate Starts for 244_34:
(Start: 21 @29921 has 130 MA's), (Start: 31 @29990 has 3 MA's), (38, 30068), (50, 30164), (52, 30185), (54, 30191), (58, 30275), (60, 30296), (63, 30347), (67, 30401), (74, 30476), (84, 30611), (88, 30623), (93, 30692), (95, 30701), (102, 30806), (109, 30875), (118, 31001), (125, 31082), (141, 31178), (146, 31205), (151, 31232), (152, 31238), (158, 31256), (166, 31292),

Gene: ABCat_31 Start: 29633, Stop: 31135, Start Num: 21
Candidate Starts for ABCat_31:
(Start: 21 @29633 has 130 MA's), (Start: 31 @29702 has 3 MA's), (38, 29780), (50, 29876), (52, 29897), (54, 29903), (58, 29987), (60, 30008), (63, 30059), (67, 30113), (74, 30188), (84, 30323), (88, 30335), (93, 30404), (95, 30413), (102, 30518), (109, 30587), (118, 30713), (125, 30794), (151,

30944), (152, 30950), (158, 30968), (166, 31004),

Gene: Adnama_35 Start: 30148, Stop: 31650, Start Num: 21
Candidate Starts for Adnama_35:
(Start: 21 @30148 has 130 MA's), (Start: 31 @30217 has 3 MA's), (38, 30295), (50, 30391), (52, 30412), (54, 30418), (58, 30502), (60, 30523), (63, 30574), (67, 30628), (74, 30703), (84, 30838), (88, 30850), (93, 30919), (95, 30928), (102, 31033), (109, 31102), (118, 31228), (125, 31309), (146, 31432), (151, 31459), (152, 31465), (158, 31483), (166, 31519),

Gene: Agent47_29 Start: 25596, Stop: 27230, Start Num: 22
Candidate Starts for Agent47_29:
(Start: 22 @25596 has 91 MA's), (Start: 24 @25602 has 1 MA's), (Start: 25 @25617 has 1 MA's), (35, 25722), (39, 25746), (42, 25761), (47, 25809), (55, 25881), (58, 25932), (60, 25953), (72, 26103), (73, 26115), (74, 26130), (77, 26169), (86, 26277), (88, 26286), (93, 26355), (94, 26361), (95, 26364), (107, 26529), (109, 26538), (112, 26577), (114, 26622), (118, 26658), (125, 26742), (128, 26775), (129, 26778), (151, 26925), (152, 26931), (162, 26967), (166, 26985), (181, 27120), (186, 27186), (190, 27219),

Gene: AlleyCat_30 Start: 25527, Stop: 27161, Start Num: 22
Candidate Starts for AlleyCat_30:
(Start: 22 @25527 has 91 MA's), (Start: 24 @25533 has 1 MA's), (Start: 25 @25548 has 1 MA's), (33, 25611), (35, 25653), (39, 25677), (42, 25692), (47, 25740), (55, 25812), (56, 25815), (58, 25863), (60, 25884), (72, 26034), (73, 26046), (77, 26100), (86, 26208), (88, 26217), (93, 26286), (94, 26292), (95, 26295), (101, 26382), (106, 26436), (107, 26460), (112, 26508), (118, 26589), (125, 26673), (128, 26706), (129, 26709), (151, 26856), (152, 26862), (162, 26898), (166, 26916), (181, 27051), (186, 27117), (190, 27150),

Gene: Amao_32 Start: 28845, Stop: 30347, Start Num: 21
Candidate Starts for Amao_32:
(2, 28620), (Start: 21 @28845 has 130 MA's), (Start: 31 @28914 has 3 MA's), (38, 28992), (50, 29088), (52, 29109), (54, 29115), (58, 29199), (60, 29220), (63, 29271), (67, 29325), (74, 29400), (84, 29535), (88, 29547), (93, 29616), (95, 29625), (102, 29730), (109, 29799), (118, 29925), (125, 30006), (141, 30102), (146, 30129), (151, 30156), (152, 30162), (158, 30180), (166, 30216),

Gene: Amelie_26 Start: 24344, Stop: 25981, Start Num: 19
Candidate Starts for Amelie_26:
(Start: 19 @24344 has 16 MA's), (28, 24386), (32, 24425), (36, 24482), (38, 24491), (45, 24563), (51, 24590), (58, 24698), (60, 24719), (62, 24752), (74, 24896), (77, 24935), (88, 25052), (90, 25091), (92, 25100), (93, 25121), (94, 25127), (95, 25130), (102, 25235), (107, 25295), (118, 25424), (125, 25499), (139, 25592), (182, 25874), (188, 25955), (190, 25970),

Gene: AmericanBeauty_34 Start: 29628, Stop: 31130, Start Num: 21
Candidate Starts for AmericanBeauty_34:
(Start: 21 @29628 has 130 MA's), (Start: 31 @29697 has 3 MA's), (38, 29775), (50, 29871), (52, 29892), (54, 29898), (58, 29982), (60, 30003), (63, 30054), (67, 30108), (74, 30183), (84, 30318), (88, 30330), (93, 30399), (95, 30408), (102, 30513), (109, 30582), (118, 30708), (125, 30789), (141, 30885), (146, 30912), (151, 30939), (152, 30945), (158, 30963), (166, 30999),

Gene: Argent26_34 Start: 29631, Stop: 31133, Start Num: 21
Candidate Starts for Argent26_34:
(Start: 21 @29631 has 130 MA's), (Start: 31 @29700 has 3 MA's), (38, 29778), (50, 29874), (52, 29895), (54, 29901), (58, 29985), (60, 30006), (63, 30057), (67, 30111), (74, 30186), (84, 30321), (88, 30333), (93, 30402), (95, 30411), (102, 30516), (109, 30585), (118, 30711), (125, 30792), (146,

30915), (151, 30942), (152, 30948), (158, 30966), (166, 31002),

Gene: Asriel_31 Start: 28502, Stop: 30004, Start Num: 21
Candidate Starts for Asriel_31:
(Start: 21 @28502 has 130 MA's), (Start: 31 @28571 has 3 MA's), (38, 28649), (50, 28745), (52, 28766), (54, 28772), (58, 28856), (60, 28877), (63, 28928), (67, 28982), (73, 29042), (84, 29192), (88, 29204), (93, 29273), (95, 29282), (102, 29387), (109, 29456), (118, 29582), (125, 29663), (151, 29813), (152, 29819), (158, 29837), (166, 29873),

Gene: BAKA_51 Start: 40867, Stop: 42300, Start Num: 23
Candidate Starts for BAKA_51:
(16, 40834), (Start: 18 @40858 has 2 MA's), (Start: 23 @40867 has 17 MA's), (43, 41032), (44, 41053), (46, 41083), (52, 41125), (53, 41128), (60, 41236), (75, 41422), (79, 41473), (90, 41605), (95, 41638), (96, 41641), (111, 41833), (117, 41920), (122, 41983), (125, 42007), (126, 42016), (148, 42166), (157, 42199), (158, 42202),

Gene: BaboJay_31 Start: 29191, Stop: 30693, Start Num: 21
Candidate Starts for BaboJay_31:
(Start: 21 @29191 has 130 MA's), (Start: 31 @29260 has 3 MA's), (38, 29338), (50, 29434), (52, 29455), (54, 29461), (58, 29545), (60, 29566), (63, 29617), (67, 29671), (74, 29746), (84, 29881), (88, 29893), (93, 29962), (95, 29971), (102, 30076), (109, 30145), (118, 30271), (125, 30352), (146, 30475), (151, 30502), (152, 30508), (158, 30526), (166, 30562),

Gene: BadStone_31 Start: 29633, Stop: 31135, Start Num: 21
Candidate Starts for BadStone_31:
(Start: 21 @29633 has 130 MA's), (Start: 31 @29702 has 3 MA's), (38, 29780), (50, 29876), (52, 29897), (54, 29903), (58, 29987), (60, 30008), (63, 30059), (67, 30113), (74, 30188), (84, 30323), (88, 30335), (93, 30404), (95, 30413), (102, 30518), (109, 30587), (118, 30713), (125, 30794), (141, 30890), (146, 30917), (151, 30944), (152, 30950), (158, 30968), (166, 31004),

Gene: Bagrid_46 Start: 40215, Stop: 41633, Start Num: 22
Candidate Starts for Bagrid_46:
(Start: 22 @40215 has 91 MA's), (30, 40269), (35, 40341), (38, 40362), (48, 40443), (55, 40500), (58, 40551), (59, 40563), (60, 40572), (64, 40623), (75, 40755), (79, 40806), (90, 40938), (95, 40971), (96, 40974), (111, 41166), (117, 41253), (122, 41316), (125, 41340), (126, 41349), (148, 41499), (157, 41532), (158, 41535),

Gene: Balomoji_31 Start: 29367, Stop: 30869, Start Num: 21
Candidate Starts for Balomoji_31:
(Start: 21 @29367 has 130 MA's), (Start: 31 @29436 has 3 MA's), (38, 29514), (50, 29610), (52, 29631), (54, 29637), (58, 29721), (60, 29742), (63, 29793), (67, 29847), (74, 29922), (84, 30057), (88, 30069), (93, 30138), (95, 30147), (102, 30252), (109, 30321), (118, 30447), (125, 30528), (146, 30651), (151, 30678), (152, 30684), (158, 30702), (166, 30738),

Gene: BananenDer11_29 Start: 25557, Stop: 27191, Start Num: 22
Candidate Starts for BananenDer11_29:
(Start: 22 @25557 has 91 MA's), (Start: 24 @25563 has 1 MA's), (Start: 25 @25578 has 1 MA's), (35, 25683), (39, 25707), (42, 25722), (47, 25770), (55, 25842), (58, 25893), (60, 25914), (72, 26064), (73, 26076), (74, 26091), (77, 26130), (86, 26238), (88, 26247), (93, 26316), (94, 26322), (95, 26325), (107, 26490), (109, 26499), (112, 26538), (114, 26583), (118, 26619), (125, 26703), (128, 26736), (129, 26739), (151, 26886), (152, 26892), (162, 26928), (166, 26946), (181, 27081), (186, 27147), (190, 27180),

Gene: Barbarian_31 Start: 28502, Stop: 30004, Start Num: 21
Candidate Starts for Barbarian_31:
(Start: 21 @28502 has 130 MA's), (Start: 31 @28571 has 3 MA's), (38, 28649), (50, 28745), (52, 28766), (54, 28772), (58, 28856), (60, 28877), (63, 28928), (67, 28982), (73, 29042), (84, 29192), (88, 29204), (93, 29273), (95, 29282), (102, 29387), (109, 29456), (118, 29582), (125, 29663), (151, 29813), (152, 29819), (158, 29837), (166, 29873),

Gene: Bask21_32 Start: 28819, Stop: 30321, Start Num: 21
Candidate Starts for Bask21_32:
(Start: 21 @28819 has 130 MA's), (Start: 31 @28888 has 3 MA's), (38, 28966), (50, 29062), (52, 29083), (54, 29089), (58, 29173), (60, 29194), (63, 29245), (67, 29299), (74, 29374), (84, 29509), (88, 29521), (93, 29590), (95, 29599), (102, 29704), (109, 29773), (118, 29899), (125, 29980), (141, 30076), (146, 30103), (151, 30130), (152, 30136), (158, 30154), (166, 30190),

Gene: Becksu_32 Start: 29824, Stop: 31326, Start Num: 21
Candidate Starts for Becksu_32:
(Start: 21 @29824 has 130 MA's), (Start: 31 @29893 has 3 MA's), (38, 29971), (50, 30067), (52, 30088), (54, 30094), (58, 30178), (60, 30199), (63, 30250), (67, 30304), (74, 30379), (84, 30514), (88, 30526), (93, 30595), (95, 30604), (102, 30709), (109, 30778), (118, 30904), (125, 30985), (141, 31081), (146, 31108), (151, 31135), (152, 31141), (158, 31159), (166, 31195),

Gene: Beem_47 Start: 40781, Stop: 42199, Start Num: 22
Candidate Starts for Beem_47:
(Start: 22 @40781 has 91 MA's), (30, 40835), (35, 40907), (38, 40928), (48, 41009), (55, 41066), (58, 41117), (59, 41129), (60, 41138), (64, 41189), (75, 41321), (79, 41372), (90, 41504), (95, 41537), (96, 41540), (111, 41732), (117, 41819), (122, 41882), (125, 41906), (126, 41915), (148, 42065), (157, 42098), (158, 42101),

Gene: Bench_34 Start: 29501, Stop: 31003, Start Num: 21
Candidate Starts for Bench_34:
(Start: 21 @29501 has 130 MA's), (Start: 31 @29570 has 3 MA's), (38, 29648), (50, 29744), (52, 29765), (54, 29771), (58, 29855), (60, 29876), (63, 29927), (67, 29981), (74, 30056), (84, 30191), (88, 30203), (93, 30272), (95, 30281), (102, 30386), (109, 30455), (118, 30581), (125, 30662), (146, 30785), (151, 30812), (152, 30818), (158, 30836), (166, 30872),

Gene: Bernal13_27 Start: 23579, Stop: 25162, Start Num: 22
Candidate Starts for Bernal13_27:
(Start: 22 @23579 has 91 MA's), (32, 23660), (34, 23678), (39, 23729), (41, 23741), (42, 23744), (58, 23915), (61, 23942), (73, 24104), (75, 24125), (77, 24149), (81, 24215), (86, 24257), (91, 24311), (95, 24353), (101, 24437), (104, 24473), (106, 24491), (118, 24641), (125, 24728), (143, 24839), (159, 24920), (180, 25121),

Gene: BigBubba_33 Start: 29404, Stop: 30906, Start Num: 21
Candidate Starts for BigBubba_33:
(Start: 21 @29404 has 130 MA's), (Start: 31 @29473 has 3 MA's), (38, 29551), (50, 29647), (52, 29668), (54, 29674), (58, 29758), (60, 29779), (63, 29830), (67, 29884), (74, 29959), (84, 30094), (88, 30106), (93, 30175), (95, 30184), (102, 30289), (109, 30358), (118, 30484), (125, 30565), (141, 30661), (146, 30688), (151, 30715), (152, 30721), (158, 30739), (166, 30775),

Gene: Biglebops_26 Start: 24344, Stop: 25981, Start Num: 19
Candidate Starts for Biglebops_26:
(Start: 19 @24344 has 16 MA's), (28, 24386), (32, 24425), (36, 24482), (38, 24491), (45, 24563), (51, 24590), (58, 24698), (60, 24719), (62, 24752), (74, 24896), (77, 24935), (88, 25052), (90, 25091), (92,

25100), (93, 25121), (94, 25127), (95, 25130), (102, 25235), (107, 25295), (118, 25424), (125, 25499), (139, 25592), (182, 25874), (188, 25955), (190, 25970),

Gene: BilboSwaggins_32 Start: 29641, Stop: 31143, Start Num: 21
Candidate Starts for BilboSwaggins_32:
(Start: 21 @29641 has 130 MA's), (Start: 31 @29710 has 3 MA's), (38, 29788), (50, 29884), (52, 29905), (54, 29911), (58, 29995), (60, 30016), (63, 30067), (67, 30121), (74, 30196), (84, 30331), (88, 30343), (93, 30412), (95, 30421), (102, 30526), (109, 30595), (118, 30721), (125, 30802), (151, 30952), (158, 30976), (166, 31012),

Gene: Bobquesha_32 Start: 25768, Stop: 27381, Start Num: 22
Candidate Starts for Bobquesha_32:
(Start: 22 @25768 has 91 MA's), (Start: 31 @25837 has 3 MA's), (35, 25894), (36, 25906), (38, 25915), (39, 25918), (42, 25933), (49, 25987), (58, 26104), (60, 26125), (73, 26287), (77, 26332), (88, 26449), (89, 26476), (93, 26518), (95, 26527), (102, 26632), (112, 26740), (118, 26821), (125, 26902), (126, 26911), (139, 26974), (172, 27190), (178, 27250),

Gene: Bogg_32 Start: 28541, Stop: 30043, Start Num: 21
Candidate Starts for Bogg_32:
(Start: 21 @28541 has 130 MA's), (Start: 31 @28610 has 3 MA's), (38, 28688), (50, 28784), (52, 28805), (54, 28811), (58, 28895), (60, 28916), (63, 28967), (67, 29021), (74, 29096), (84, 29231), (88, 29243), (93, 29312), (95, 29321), (102, 29426), (109, 29495), (118, 29621), (125, 29702), (146, 29825), (151, 29852), (152, 29858), (158, 29876), (166, 29912),

Gene: Bombitas_43 Start: 39837, Stop: 41255, Start Num: 22
Candidate Starts for Bombitas_43:
(Start: 22 @39837 has 91 MA's), (30, 39891), (35, 39963), (38, 39984), (48, 40065), (55, 40122), (58, 40173), (59, 40185), (60, 40194), (64, 40245), (75, 40377), (79, 40428), (83, 40503), (90, 40560), (95, 40593), (96, 40596), (111, 40788), (117, 40875), (122, 40938), (125, 40962), (126, 40971), (148, 41121), (157, 41154), (158, 41157),

Gene: Brewer_32 Start: 29889, Stop: 31391, Start Num: 21
Candidate Starts for Brewer_32:
(Start: 21 @29889 has 130 MA's), (Start: 31 @29958 has 3 MA's), (38, 30036), (50, 30132), (52, 30153), (54, 30159), (58, 30243), (60, 30264), (63, 30315), (67, 30369), (74, 30444), (84, 30579), (88, 30591), (93, 30660), (95, 30669), (102, 30774), (109, 30843), (118, 30969), (125, 31050), (141, 31146), (146, 31173), (151, 31200), (152, 31206), (158, 31224), (166, 31260),

Gene: BronnyJames_38 Start: 33959, Stop: 35380, Start Num: 22
Candidate Starts for BronnyJames_38:
(Start: 22 @33959 has 91 MA's), (38, 34106), (48, 34187), (58, 34295), (59, 34307), (60, 34316), (62, 34349), (64, 34367), (75, 34499), (79, 34550), (95, 34715), (99, 34763), (111, 34910), (117, 34997), (122, 35060), (125, 35084), (126, 35093), (148, 35243), (157, 35276), (158, 35279),

Gene: Bruin_32 Start: 29661, Stop: 31163, Start Num: 21
Candidate Starts for Bruin_32:
(Start: 21 @29661 has 130 MA's), (Start: 31 @29730 has 3 MA's), (38, 29808), (50, 29904), (52, 29925), (54, 29931), (58, 30015), (60, 30036), (63, 30087), (67, 30141), (74, 30216), (84, 30351), (88, 30363), (93, 30432), (95, 30441), (102, 30546), (109, 30615), (118, 30741), (125, 30822), (146, 30945), (151, 30972), (152, 30978), (158, 30996), (166, 31032),

Gene: Bryler_30 Start: 24221, Stop: 25867, Start Num: 22
Candidate Starts for Bryler_30:

(Start: 22 @24221 has 91 MA's), (30, 24275), (32, 24302), (36, 24359), (38, 24368), (58, 24557), (60, 24578), (68, 24701), (74, 24755), (77, 24794), (93, 24980), (95, 24989), (102, 25094), (110, 25166), (112, 25202), (118, 25283), (125, 25361), (128, 25394), (131, 25406), (137, 25439), (140, 25466), (150, 25544), (161, 25589), (176, 25718), (181, 25757), (184, 25787), (188, 25841),

Gene: Buck_31 Start: 29597, Stop: 31099, Start Num: 21
Candidate Starts for Buck_31:
(Start: 21 @29597 has 130 MA's), (Start: 31 @29666 has 3 MA's), (38, 29744), (50, 29840), (52, 29861), (54, 29867), (58, 29951), (60, 29972), (63, 30023), (67, 30077), (74, 30152), (84, 30287), (88, 30299), (93, 30368), (95, 30377), (102, 30482), (109, 30551), (118, 30677), (125, 30758), (141, 30854), (146, 30881), (151, 30908), (152, 30914), (158, 30932), (166, 30968),

Gene: Budgie_34 Start: 29191, Stop: 30693, Start Num: 22
Candidate Starts for Budgie_34:
(6, 29029), (10, 29095), (11, 29107), (17, 29164), (Start: 22 @29191 has 91 MA's), (Start: 25 @29212 has 1 MA's), (38, 29338), (52, 29455), (54, 29461), (58, 29545), (60, 29566), (63, 29617), (73, 29731), (74, 29746), (84, 29881), (88, 29893), (93, 29962), (95, 29971), (96, 29974), (102, 30076), (109, 30145), (118, 30271), (125, 30352), (141, 30448), (151, 30502), (152, 30508), (158, 30526), (166, 30562),

Gene: BugsBunny_30 Start: 29230, Stop: 30732, Start Num: 21
Candidate Starts for BugsBunny_30:
(Start: 21 @29230 has 130 MA's), (Start: 31 @29299 has 3 MA's), (38, 29377), (50, 29473), (52, 29494), (54, 29500), (58, 29584), (60, 29605), (63, 29656), (67, 29710), (74, 29785), (84, 29920), (88, 29932), (93, 30001), (95, 30010), (102, 30115), (109, 30184), (118, 30310), (125, 30391), (141, 30487), (146, 30514), (151, 30541), (152, 30547), (158, 30565), (166, 30601),

Gene: Cactus_33 Start: 28852, Stop: 30354, Start Num: 21
Candidate Starts for Cactus_33:
(Start: 21 @28852 has 130 MA's), (Start: 31 @28921 has 3 MA's), (38, 28999), (50, 29095), (52, 29116), (54, 29122), (58, 29206), (60, 29227), (63, 29278), (73, 29392), (84, 29542), (88, 29554), (93, 29623), (95, 29632), (102, 29737), (109, 29806), (118, 29932), (125, 30013), (151, 30163), (152, 30169), (158, 30187), (166, 30223),

Gene: Cain_30 Start: 24209, Stop: 25855, Start Num: 22
Candidate Starts for Cain_30:
(Start: 22 @24209 has 91 MA's), (30, 24263), (32, 24290), (36, 24347), (38, 24356), (58, 24545), (60, 24566), (68, 24689), (74, 24743), (77, 24782), (93, 24968), (95, 24977), (102, 25082), (110, 25154), (112, 25190), (118, 25271), (125, 25349), (128, 25382), (131, 25394), (137, 25427), (140, 25454), (150, 25532), (161, 25577), (176, 25706), (181, 25745), (184, 25775), (188, 25829),

Gene: Chancellor_31 Start: 26030, Stop: 27640, Start Num: 22
Candidate Starts for Chancellor_31:
(Start: 22 @26030 has 91 MA's), (Start: 31 @26099 has 3 MA's), (35, 26156), (36, 26168), (38, 26177), (39, 26180), (42, 26195), (54, 26282), (55, 26315), (58, 26366), (60, 26387), (73, 26549), (77, 26594), (88, 26711), (92, 26759), (93, 26780), (94, 26786), (95, 26789), (112, 27002), (118, 27083), (119, 27101), (125, 27164), (126, 27173), (139, 27236), (172, 27452), (178, 27512),

Gene: Cheetobro_31 Start: 26027, Stop: 27637, Start Num: 22
Candidate Starts for Cheetobro_31:
(Start: 22 @26027 has 91 MA's), (Start: 31 @26096 has 3 MA's), (35, 26153), (36, 26165), (38, 26174), (39, 26177), (42, 26192), (54, 26279), (55, 26312), (58, 26363), (60, 26384), (73, 26546), (77, 26591), (88, 26708), (92, 26756), (93, 26777), (94, 26783), (95, 26786), (112, 26999), (118, 27080), (119,

27098), (125, 27161), (126, 27170), (139, 27233), (172, 27449), (178, 27509),

Gene: ChosenOne_32 Start: 28849, Stop: 30351, Start Num: 21
Candidate Starts for ChosenOne_32:
(Start: 21 @28849 has 130 MA's), (Start: 31 @28918 has 3 MA's), (38, 28996), (50, 29092), (52, 29113), (54, 29119), (58, 29203), (60, 29224), (63, 29275), (67, 29329), (74, 29404), (84, 29539), (88, 29551), (93, 29620), (95, 29629), (102, 29734), (109, 29803), (118, 29929), (125, 30010), (146, 30133), (151, 30160), (152, 30166), (158, 30184), (166, 30220),

Gene: ChotaBhai_32 Start: 28887, Stop: 30389, Start Num: 21
Candidate Starts for ChotaBhai_32:
(Start: 21 @28887 has 130 MA's), (Start: 31 @28956 has 3 MA's), (38, 29034), (50, 29130), (52, 29151), (54, 29157), (58, 29241), (60, 29262), (63, 29313), (67, 29367), (74, 29442), (84, 29577), (88, 29589), (93, 29658), (95, 29667), (102, 29772), (109, 29841), (118, 29967), (125, 30048), (151, 30198), (152, 30204), (158, 30222), (166, 30258),

Gene: Chris_29 Start: 24088, Stop: 25749, Start Num: 19
Candidate Starts for Chris_29:
(Start: 19 @24088 has 16 MA's), (27, 24124), (28, 24127), (30, 24139), (32, 24166), (38, 24232), (52, 24349), (58, 24439), (60, 24460), (62, 24493), (73, 24622), (74, 24637), (77, 24676), (93, 24862), (95, 24871), (102, 24976), (112, 25084), (118, 25165), (125, 25246), (128, 25279), (133, 25300), (152, 25435), (167, 25507), (174, 25573), (188, 25723),

Gene: Cjw1_32 Start: 30401, Stop: 31903, Start Num: 21
Candidate Starts for Cjw1_32:
(Start: 21 @30401 has 130 MA's), (Start: 31 @30470 has 3 MA's), (38, 30548), (50, 30644), (52, 30665), (54, 30671), (58, 30755), (60, 30776), (63, 30827), (67, 30881), (74, 30956), (84, 31091), (88, 31103), (93, 31172), (95, 31181), (102, 31286), (109, 31355), (118, 31481), (125, 31562), (146, 31685), (151, 31712), (152, 31718), (158, 31736), (166, 31772),

Gene: Collard_29 Start: 25557, Stop: 27191, Start Num: 22
Candidate Starts for Collard_29:
(Start: 22 @25557 has 91 MA's), (Start: 24 @25563 has 1 MA's), (Start: 25 @25578 has 1 MA's), (35, 25683), (39, 25707), (42, 25722), (47, 25770), (55, 25842), (58, 25893), (60, 25914), (72, 26064), (73, 26076), (74, 26091), (77, 26130), (86, 26238), (88, 26247), (93, 26316), (94, 26322), (95, 26325), (107, 26490), (109, 26499), (112, 26538), (114, 26583), (118, 26619), (125, 26703), (128, 26736), (129, 26739), (151, 26886), (152, 26892), (162, 26928), (166, 26946), (181, 27081), (186, 27147), (190, 27180),

Gene: Command613_33 Start: 29908, Stop: 31410, Start Num: 21
Candidate Starts for Command613_33:
(Start: 21 @29908 has 130 MA's), (Start: 31 @29977 has 3 MA's), (38, 30055), (50, 30151), (52, 30172), (54, 30178), (58, 30262), (60, 30283), (63, 30334), (67, 30388), (74, 30463), (84, 30598), (88, 30610), (93, 30679), (95, 30688), (102, 30793), (109, 30862), (118, 30988), (125, 31069), (146, 31192), (151, 31219), (152, 31225), (158, 31243), (166, 31279),

Gene: Constella_39 Start: 36912, Stop: 38330, Start Num: 22
Candidate Starts for Constella_39:
(Start: 22 @36912 has 91 MA's), (30, 36966), (35, 37038), (37, 37053), (38, 37059), (48, 37140), (58, 37248), (59, 37260), (60, 37269), (62, 37302), (64, 37320), (75, 37452), (79, 37503), (90, 37635), (95, 37668), (96, 37671), (111, 37863), (117, 37950), (122, 38013), (125, 38037), (126, 38046), (134, 38091), (135, 38103), (148, 38196), (149, 38199), (157, 38229), (158, 38232),

Gene: Contagion_31 Start: 29145, Stop: 30647, Start Num: 21
Candidate Starts for Contagion_31:
(Start: 21 @29145 has 130 MA's), (Start: 31 @29214 has 3 MA's), (38, 29292), (50, 29388), (52, 29409), (54, 29415), (58, 29499), (60, 29520), (63, 29571), (67, 29625), (74, 29700), (84, 29835), (88, 29847), (93, 29916), (95, 29925), (102, 30030), (109, 30099), (118, 30225), (125, 30306), (151, 30456), (152, 30462), (158, 30480), (166, 30516),

Gene: Cookies_32 Start: 29510, Stop: 31012, Start Num: 21
Candidate Starts for Cookies_32:
(Start: 21 @29510 has 130 MA's), (Start: 31 @29579 has 3 MA's), (38, 29657), (50, 29753), (52, 29774), (54, 29780), (58, 29864), (60, 29885), (63, 29936), (67, 29990), (74, 30065), (84, 30200), (88, 30212), (93, 30281), (95, 30290), (102, 30395), (109, 30464), (118, 30590), (125, 30671), (151, 30821), (152, 30827), (158, 30845), (166, 30881),

Gene: CrystalP_32 Start: 29641, Stop: 31143, Start Num: 21
Candidate Starts for CrystalP_32:
(Start: 21 @29641 has 130 MA's), (Start: 31 @29710 has 3 MA's), (38, 29788), (50, 29884), (52, 29905), (54, 29911), (58, 29995), (60, 30016), (63, 30067), (67, 30121), (74, 30196), (84, 30331), (88, 30343), (93, 30412), (95, 30421), (102, 30526), (109, 30595), (118, 30721), (125, 30802), (151, 30952), (158, 30976), (166, 31012),

Gene: Czyszczon1_33 Start: 29386, Stop: 30888, Start Num: 21
Candidate Starts for Czyszczon1_33:
(Start: 21 @29386 has 130 MA's), (Start: 31 @29455 has 3 MA's), (38, 29533), (50, 29629), (52, 29650), (54, 29656), (58, 29740), (60, 29761), (63, 29812), (67, 29866), (74, 29941), (84, 30076), (88, 30088), (93, 30157), (95, 30166), (102, 30271), (109, 30340), (118, 30466), (125, 30547), (141, 30643), (146, 30670), (151, 30697), (152, 30703), (158, 30721), (166, 30757),

Gene: Dadosky_30 Start: 25528, Stop: 27162, Start Num: 22
Candidate Starts for Dadosky_30:
(Start: 22 @25528 has 91 MA's), (Start: 24 @25534 has 1 MA's), (Start: 25 @25549 has 1 MA's), (33, 25612), (35, 25654), (39, 25678), (42, 25693), (47, 25741), (55, 25813), (56, 25816), (58, 25864), (60, 25885), (72, 26035), (73, 26047), (77, 26101), (86, 26209), (88, 26218), (93, 26287), (94, 26293), (95, 26296), (101, 26383), (106, 26437), (107, 26461), (112, 26509), (118, 26590), (125, 26674), (128, 26707), (129, 26710), (151, 26857), (152, 26863), (162, 26899), (166, 26917), (181, 27052), (186, 27118), (190, 27151),

Gene: Daikon_31 Start: 29448, Stop: 30881, Start Num: 31
Candidate Starts for Daikon_31:
(Start: 21 @29379 has 130 MA's), (Start: 31 @29448 has 3 MA's), (38, 29526), (50, 29622), (52, 29643), (54, 29649), (58, 29733), (60, 29754), (63, 29805), (67, 29859), (74, 29934), (84, 30069), (88, 30081), (93, 30150), (95, 30159), (102, 30264), (109, 30333), (118, 30459), (125, 30540), (151, 30690), (158, 30714), (166, 30750),

Gene: Dallas_49 Start: 40306, Stop: 41724, Start Num: 22
Candidate Starts for Dallas_49:
(Start: 22 @40306 has 91 MA's), (30, 40360), (35, 40432), (38, 40453), (48, 40534), (55, 40591), (58, 40642), (59, 40654), (60, 40663), (64, 40714), (75, 40846), (79, 40897), (90, 41029), (95, 41062), (96, 41065), (99, 41110), (111, 41257), (117, 41344), (122, 41407), (125, 41431), (126, 41440), (148, 41590), (157, 41623), (158, 41626),

Gene: DanSyl44_34 Start: 26897, Stop: 28507, Start Num: 22
Candidate Starts for DanSyl44_34:

(Start: 22 @26897 has 91 MA's), (Start: 31 @26966 has 3 MA's), (35, 27023), (36, 27035), (38, 27044), (39, 27047), (42, 27062), (54, 27149), (55, 27182), (58, 27233), (60, 27254), (73, 27416), (77, 27461), (88, 27578), (93, 27647), (94, 27653), (95, 27656), (112, 27869), (118, 27950), (119, 27968), (125, 28031), (126, 28040), (139, 28103), (172, 28319), (178, 28379),

Gene: DmpstrDiver_48 Start: 40296, Stop: 41729, Start Num: 23
Candidate Starts for DmpstrDiver_48:
(16, 40263), (Start: 18 @40287 has 2 MA's), (Start: 23 @40296 has 17 MA's), (43, 40461), (44, 40482), (46, 40512), (52, 40554), (53, 40557), (60, 40665), (75, 40851), (79, 40902), (90, 41034), (95, 41067), (96, 41070), (111, 41262), (117, 41349), (122, 41412), (125, 41436), (126, 41445), (148, 41595), (157, 41628), (158, 41631),

Gene: DoctorDiddles_32 Start: 28803, Stop: 30305, Start Num: 21
Candidate Starts for DoctorDiddles_32:
(Start: 21 @28803 has 130 MA's), (Start: 31 @28872 has 3 MA's), (38, 28950), (50, 29046), (52, 29067), (54, 29073), (58, 29157), (60, 29178), (63, 29229), (67, 29283), (74, 29358), (84, 29493), (88, 29505), (93, 29574), (95, 29583), (102, 29688), (109, 29757), (118, 29883), (125, 29964), (141, 30060), (146, 30087), (151, 30114), (152, 30120), (158, 30138), (166, 30174),

Gene: DoubleChamp_29 Start: 25557, Stop: 27191, Start Num: 22
Candidate Starts for DoubleChamp_29:
(Start: 22 @25557 has 91 MA's), (Start: 24 @25563 has 1 MA's), (Start: 25 @25578 has 1 MA's), (35, 25683), (39, 25707), (42, 25722), (47, 25770), (55, 25842), (58, 25893), (60, 25914), (72, 26064), (73, 26076), (74, 26091), (77, 26130), (86, 26238), (88, 26247), (93, 26316), (94, 26322), (95, 26325), (107, 26490), (109, 26499), (112, 26538), (114, 26583), (118, 26619), (125, 26703), (128, 26736), (129, 26739), (151, 26886), (152, 26892), (162, 26928), (166, 26946), (181, 27081), (186, 27147), (190, 27180),

Gene: Dove_44 Start: 39836, Stop: 41254, Start Num: 22
Candidate Starts for Dove_44:
(Start: 22 @39836 has 91 MA's), (30, 39890), (35, 39962), (38, 39983), (48, 40064), (55, 40121), (58, 40172), (59, 40184), (60, 40193), (64, 40244), (75, 40376), (79, 40427), (83, 40502), (90, 40559), (95, 40592), (96, 40595), (111, 40787), (117, 40874), (122, 40937), (125, 40961), (126, 40970), (145, 41099), (151, 41132), (157, 41153), (158, 41156),

Gene: DrDrey_33 Start: 30133, Stop: 31635, Start Num: 21
Candidate Starts for DrDrey_33:
(Start: 21 @30133 has 130 MA's), (Start: 31 @30202 has 3 MA's), (38, 30280), (50, 30376), (52, 30397), (54, 30403), (58, 30487), (60, 30508), (63, 30559), (67, 30613), (74, 30688), (84, 30823), (88, 30835), (93, 30904), (95, 30913), (102, 31018), (109, 31087), (118, 31213), (125, 31294), (151, 31444), (152, 31450), (158, 31468), (166, 31504),

Gene: Duke13_50 Start: 40614, Stop: 42047, Start Num: 23
Candidate Starts for Duke13_50:
(16, 40581), (Start: 18 @40605 has 2 MA's), (Start: 23 @40614 has 17 MA's), (43, 40779), (44, 40800), (46, 40830), (52, 40872), (53, 40875), (60, 40983), (75, 41169), (79, 41220), (90, 41352), (95, 41385), (96, 41388), (111, 41580), (117, 41667), (122, 41730), (125, 41754), (126, 41763), (148, 41913), (157, 41946), (158, 41949),

Gene: Dumbo_32 Start: 29108, Stop: 30610, Start Num: 21
Candidate Starts for Dumbo_32:
(Start: 21 @29108 has 130 MA's), (Start: 31 @29177 has 3 MA's), (38, 29255), (50, 29351), (52, 29372), (54, 29378), (58, 29462), (60, 29483), (63, 29534), (67, 29588), (74, 29663), (84, 29798), (88,

29810), (93, 29879), (95, 29888), (102, 29993), (109, 30062), (118, 30188), (125, 30269), (141, 30365), (146, 30392), (151, 30419), (152, 30425), (158, 30443), (166, 30479),

Gene: Dusk_31 Start: 29293, Stop: 30795, Start Num: 21
Candidate Starts for Dusk_31:
(Start: 21 @29293 has 130 MA's), (Start: 31 @29362 has 3 MA's), (38, 29440), (50, 29536), (52, 29557), (54, 29563), (58, 29647), (60, 29668), (63, 29719), (67, 29773), (74, 29848), (84, 29983), (88, 29995), (93, 30064), (95, 30073), (102, 30178), (109, 30247), (118, 30373), (125, 30454), (141, 30550), (146, 30577), (151, 30604), (152, 30610), (158, 30628), (166, 30664),

Gene: Easy2Say_34 Start: 30891, Stop: 32393, Start Num: 21
Candidate Starts for Easy2Say_34:
(Start: 21 @30891 has 130 MA's), (Start: 31 @30960 has 3 MA's), (38, 31038), (50, 31134), (52, 31155), (54, 31161), (58, 31245), (60, 31266), (63, 31317), (67, 31371), (74, 31446), (84, 31581), (88, 31593), (93, 31662), (95, 31671), (102, 31776), (109, 31845), (118, 31971), (125, 32052), (141, 32148), (146, 32175), (151, 32202), (152, 32208), (158, 32226), (166, 32262),

Gene: Edugator_29 Start: 25527, Stop: 27161, Start Num: 22
Candidate Starts for Edugator_29:
(Start: 22 @25527 has 91 MA's), (Start: 24 @25533 has 1 MA's), (Start: 25 @25548 has 1 MA's), (33, 25611), (35, 25653), (36, 25665), (39, 25677), (42, 25692), (47, 25740), (55, 25812), (56, 25815), (58, 25863), (60, 25884), (72, 26034), (73, 26046), (77, 26100), (86, 26208), (88, 26217), (93, 26286), (94, 26292), (95, 26295), (101, 26382), (106, 26436), (107, 26460), (112, 26508), (118, 26589), (125, 26673), (128, 26706), (129, 26709), (151, 26856), (152, 26862), (166, 26916), (181, 27051), (186, 27117), (190, 27150),

Gene: Ejimix_47 Start: 41566, Stop: 42984, Start Num: 22
Candidate Starts for Ejimix_47:
(Start: 22 @41566 has 91 MA's), (30, 41620), (35, 41692), (38, 41713), (48, 41794), (55, 41851), (58, 41902), (59, 41914), (60, 41923), (64, 41974), (75, 42106), (79, 42157), (90, 42289), (95, 42322), (96, 42325), (111, 42517), (117, 42604), (122, 42667), (125, 42691), (126, 42700), (148, 42850), (157, 42883), (158, 42886),

Gene: Elite2014_31 Start: 28848, Stop: 30350, Start Num: 21
Candidate Starts for Elite2014_31:
(Start: 21 @28848 has 130 MA's), (Start: 31 @28917 has 3 MA's), (38, 28995), (50, 29091), (52, 29112), (54, 29118), (58, 29202), (60, 29223), (63, 29274), (67, 29328), (74, 29403), (84, 29538), (88, 29550), (93, 29619), (95, 29628), (102, 29733), (109, 29802), (118, 29928), (125, 30009), (146, 30132), (151, 30159), (152, 30165), (158, 30183), (166, 30219),

Gene: Elph10_33 Start: 29111, Stop: 30613, Start Num: 21
Candidate Starts for Elph10_33:
(Start: 21 @29111 has 130 MA's), (Start: 31 @29180 has 3 MA's), (38, 29258), (50, 29354), (52, 29375), (54, 29381), (58, 29465), (60, 29486), (63, 29537), (67, 29591), (74, 29666), (84, 29801), (88, 29813), (93, 29882), (95, 29891), (102, 29996), (109, 30065), (118, 30191), (125, 30272), (141, 30368), (146, 30395), (151, 30422), (152, 30428), (158, 30446), (166, 30482),

Gene: Emmina_33 Start: 29469, Stop: 30971, Start Num: 21
Candidate Starts for Emmina_33:
(Start: 21 @29469 has 130 MA's), (Start: 31 @29538 has 3 MA's), (38, 29616), (50, 29712), (52, 29733), (54, 29739), (58, 29823), (60, 29844), (63, 29895), (67, 29949), (74, 30024), (84, 30159), (88, 30171), (93, 30240), (95, 30249), (102, 30354), (109, 30423), (118, 30549), (125, 30630), (146, 30753), (151, 30780), (152, 30786), (158, 30804), (166, 30840),

Gene: Enkosi_26 Start: 24344, Stop: 25981, Start Num: 19
Candidate Starts for Enkosi_26:
(Start: 19 @24344 has 16 MA's), (28, 24386), (32, 24425), (36, 24482), (38, 24491), (45, 24563), (51, 24590), (58, 24698), (60, 24719), (62, 24752), (74, 24896), (77, 24935), (88, 25052), (90, 25091), (92, 25100), (93, 25121), (94, 25127), (95, 25130), (102, 25235), (107, 25295), (118, 25424), (125, 25499), (139, 25592), (182, 25874), (188, 25955), (190, 25970),

Gene: Eponine_33 Start: 26784, Stop: 28394, Start Num: 22
Candidate Starts for Eponine_33:
(Start: 22 @26784 has 91 MA's), (Start: 31 @26853 has 3 MA's), (35, 26910), (36, 26922), (38, 26931), (39, 26934), (42, 26949), (49, 27003), (54, 27036), (55, 27069), (58, 27120), (60, 27141), (62, 27174), (73, 27303), (77, 27348), (88, 27465), (92, 27513), (93, 27534), (94, 27540), (95, 27543), (102, 27648), (112, 27756), (118, 27837), (119, 27855), (125, 27918), (126, 27927), (139, 27990), (172, 28206), (178, 28266),

Gene: EricMillard_47 Start: 41067, Stop: 42485, Start Num: 22
Candidate Starts for EricMillard_47:
(Start: 22 @41067 has 91 MA's), (30, 41121), (35, 41193), (38, 41214), (48, 41295), (55, 41352), (58, 41403), (59, 41415), (60, 41424), (64, 41475), (75, 41607), (79, 41658), (90, 41790), (95, 41823), (96, 41826), (111, 42018), (117, 42105), (122, 42168), (125, 42192), (126, 42201), (148, 42351), (157, 42384), (158, 42387),

Gene: Eureka_32 Start: 29624, Stop: 31126, Start Num: 21
Candidate Starts for Eureka_32:
(Start: 21 @29624 has 130 MA's), (Start: 31 @29693 has 3 MA's), (38, 29771), (50, 29867), (52, 29888), (54, 29894), (58, 29978), (60, 29999), (63, 30050), (67, 30104), (74, 30179), (84, 30314), (88, 30326), (93, 30395), (95, 30404), (102, 30509), (109, 30578), (118, 30704), (125, 30785), (141, 30881), (151, 30935), (152, 30941), (158, 30959), (166, 30995),

Gene: FairyPath_32 Start: 29836, Stop: 31338, Start Num: 21
Candidate Starts for FairyPath_32:
(Start: 21 @29836 has 130 MA's), (Start: 31 @29905 has 3 MA's), (38, 29983), (50, 30079), (52, 30100), (54, 30106), (58, 30190), (60, 30211), (63, 30262), (67, 30316), (74, 30391), (84, 30526), (88, 30538), (93, 30607), (95, 30616), (102, 30721), (109, 30790), (118, 30916), (125, 30997), (141, 31093), (146, 31120), (151, 31147), (152, 31153), (158, 31171), (166, 31207),

Gene: Feyre_29 Start: 25333, Stop: 26967, Start Num: 22
Candidate Starts for Feyre_29:
(Start: 22 @25333 has 91 MA's), (Start: 24 @25339 has 1 MA's), (Start: 25 @25354 has 1 MA's), (35, 25459), (39, 25483), (42, 25498), (47, 25546), (55, 25618), (56, 25621), (58, 25669), (60, 25690), (69, 25819), (72, 25840), (73, 25852), (74, 25867), (77, 25906), (86, 26014), (88, 26023), (93, 26092), (94, 26098), (95, 26101), (102, 26206), (106, 26242), (107, 26266), (112, 26314), (118, 26395), (125, 26479), (128, 26512), (129, 26515), (141, 26608), (146, 26635), (151, 26662), (152, 26668), (162, 26704), (166, 26722), (167, 26740), (171, 26773), (173, 26797), (177, 26833), (180, 26848), (181, 26857), (186, 26923), (188, 26941),

Gene: Filch_33 Start: 29399, Stop: 30901, Start Num: 21
Candidate Starts for Filch_33:
(Start: 21 @29399 has 130 MA's), (Start: 31 @29468 has 3 MA's), (38, 29546), (50, 29642), (52, 29663), (54, 29669), (58, 29753), (60, 29774), (63, 29825), (67, 29879), (74, 29954), (84, 30089), (88, 30101), (93, 30170), (95, 30179), (102, 30284), (109, 30353), (118, 30479), (125, 30560), (146, 30683), (151, 30710), (152, 30716), (158, 30734), (166, 30770),

Gene: Fionnbharth_31 Start: 26020, Stop: 27630, Start Num: 22
Candidate Starts for Fionnbharth_31:
(Start: 22 @26020 has 91 MA's), (Start: 31 @26089 has 3 MA's), (35, 26146), (36, 26158), (38, 26167), (39, 26170), (42, 26185), (49, 26239), (54, 26272), (55, 26305), (58, 26356), (60, 26377), (62, 26410), (65, 26467), (73, 26539), (77, 26584), (88, 26701), (92, 26749), (93, 26770), (94, 26776), (95, 26779), (102, 26884), (112, 26992), (118, 27073), (119, 27091), (125, 27154), (126, 27163), (139, 27226), (172, 27442), (178, 27502),

Gene: FireRed_32 Start: 29669, Stop: 31171, Start Num: 21
Candidate Starts for FireRed_32:
(Start: 21 @29669 has 130 MA's), (Start: 31 @29738 has 3 MA's), (38, 29816), (50, 29912), (52, 29933), (54, 29939), (58, 30023), (60, 30044), (63, 30095), (67, 30149), (74, 30224), (84, 30359), (88, 30371), (93, 30440), (95, 30449), (102, 30554), (109, 30623), (118, 30749), (125, 30830), (141, 30926), (146, 30953), (151, 30980), (152, 30986), (158, 31004), (166, 31040),

Gene: Flypotenuse_30 Start: 29237, Stop: 30739, Start Num: 21
Candidate Starts for Flypotenuse_30:
(Start: 21 @29237 has 130 MA's), (Start: 31 @29306 has 3 MA's), (38, 29384), (50, 29480), (52, 29501), (54, 29507), (58, 29591), (60, 29612), (63, 29663), (67, 29717), (74, 29792), (84, 29927), (88, 29939), (93, 30008), (95, 30017), (102, 30122), (109, 30191), (118, 30317), (125, 30398), (151, 30548), (152, 30554), (158, 30572), (166, 30608),

Gene: FoghornLeghorn_31 Start: 29145, Stop: 30647, Start Num: 21
Candidate Starts for FoghornLeghorn_31:
(Start: 21 @29145 has 130 MA's), (Start: 31 @29214 has 3 MA's), (38, 29292), (50, 29388), (52, 29409), (54, 29415), (58, 29499), (60, 29520), (63, 29571), (67, 29625), (74, 29700), (84, 29835), (88, 29847), (93, 29916), (95, 29925), (102, 30030), (109, 30099), (118, 30225), (125, 30306), (141, 30402), (146, 30429), (151, 30456), (152, 30462), (158, 30480), (166, 30516),

Gene: ForesterFrank_11 Start: 6311, Stop: 7780, Start Num: 23
Candidate Starts for ForesterFrank_11:
(Start: 23 @6311 has 17 MA's), (30, 6362), (38, 6455), (58, 6644), (60, 6665), (62, 6698), (73, 6827), (77, 6872), (91, 7031), (93, 7055), (95, 7064), (110, 7241), (118, 7361), (124, 7439), (127, 7463), (148, 7580), (165, 7646), (169, 7685),

Gene: Gage_34 Start: 29631, Stop: 31133, Start Num: 21
Candidate Starts for Gage_34:
(Start: 21 @29631 has 130 MA's), (Start: 31 @29700 has 3 MA's), (38, 29778), (50, 29874), (52, 29895), (54, 29901), (58, 29985), (60, 30006), (63, 30057), (67, 30111), (74, 30186), (84, 30321), (88, 30333), (93, 30402), (95, 30411), (102, 30516), (109, 30585), (118, 30711), (125, 30792), (146, 30915), (151, 30942), (152, 30948), (158, 30966), (166, 31002),

Gene: Gaia_32 Start: 28916, Stop: 30328, Start Num: 23
Candidate Starts for Gaia_32:
(3, 28700), (4, 28709), (5, 28712), (8, 28784), (9, 28787), (13, 28859), (14, 28871), (15, 28877), (Start: 23 @28916 has 17 MA's), (Start: 24 @28919 has 1 MA's), (Start: 31 @28982 has 3 MA's), (39, 29063), (43, 29081), (44, 29102), (46, 29132), (52, 29174), (53, 29177), (54, 29180), (60, 29285), (75, 29471), (76, 29477), (79, 29522), (95, 29687), (101, 29768), (111, 29882), (116, 29966), (117, 29969), (121, 30029), (122, 30032), (125, 30056), (130, 30080), (132, 30083), (151, 30209), (152, 30215), (157, 30230), (158, 30233),

Gene: Gator_30 Start: 29249, Stop: 30751, Start Num: 21

Candidate Starts for Gator_30:
(Start: 21 @29249 has 130 MA's), (Start: 31 @29318 has 3 MA's), (38, 29396), (50, 29492), (52, 29513), (54, 29519), (58, 29603), (60, 29624), (63, 29675), (67, 29729), (74, 29804), (84, 29939), (88, 29951), (93, 30020), (95, 30029), (102, 30134), (109, 30203), (118, 30329), (125, 30410), (141, 30506), (146, 30533), (151, 30560), (152, 30566), (158, 30584), (166, 30620),

Gene: Gemini_35 Start: 30148, Stop: 31650, Start Num: 21
Candidate Starts for Gemini_35:
(Start: 21 @30148 has 130 MA's), (Start: 31 @30217 has 3 MA's), (38, 30295), (50, 30391), (52, 30412), (54, 30418), (58, 30502), (60, 30523), (63, 30574), (67, 30628), (74, 30703), (84, 30838), (88, 30850), (93, 30919), (95, 30928), (102, 31033), (109, 31102), (118, 31228), (125, 31309), (146, 31432), (151, 31459), (152, 31465), (158, 31483), (166, 31519),

Gene: Gengar_29 Start: 25443, Stop: 27077, Start Num: 22
Candidate Starts for Gengar_29:
(Start: 22 @25443 has 91 MA's), (Start: 24 @25449 has 1 MA's), (Start: 25 @25464 has 1 MA's), (35, 25569), (39, 25593), (42, 25608), (47, 25656), (55, 25728), (56, 25731), (58, 25779), (60, 25800), (69, 25929), (72, 25950), (73, 25962), (74, 25977), (77, 26016), (86, 26124), (88, 26133), (93, 26202), (94, 26208), (95, 26211), (102, 26316), (106, 26352), (107, 26376), (112, 26424), (118, 26505), (125, 26589), (128, 26622), (129, 26625), (141, 26718), (146, 26745), (151, 26772), (152, 26778), (162, 26814), (166, 26832), (167, 26850), (171, 26883), (173, 26907), (177, 26943), (180, 26958), (181, 26967), (186, 27033), (188, 27051),

Gene: Glexan_30 Start: 29237, Stop: 30739, Start Num: 21
Candidate Starts for Glexan_30:
(Start: 21 @29237 has 130 MA's), (Start: 31 @29306 has 3 MA's), (38, 29384), (50, 29480), (52, 29501), (54, 29507), (58, 29591), (60, 29612), (63, 29663), (67, 29717), (74, 29792), (84, 29927), (88, 29939), (93, 30008), (95, 30017), (102, 30122), (109, 30191), (118, 30317), (125, 30398), (151, 30548), (152, 30554), (158, 30572), (166, 30608),

Gene: Goku_32 Start: 29353, Stop: 30855, Start Num: 21
Candidate Starts for Goku_32:
(Start: 21 @29353 has 130 MA's), (Start: 31 @29422 has 3 MA's), (38, 29500), (50, 29596), (52, 29617), (54, 29623), (58, 29707), (60, 29728), (63, 29779), (67, 29833), (74, 29908), (84, 30043), (88, 30055), (93, 30124), (95, 30133), (102, 30238), (109, 30307), (118, 30433), (125, 30514), (141, 30610), (151, 30664), (152, 30670), (158, 30688), (166, 30724),

Gene: GoldenSpark_34 Start: 29631, Stop: 31133, Start Num: 21
Candidate Starts for GoldenSpark_34:
(Start: 21 @29631 has 130 MA's), (Start: 31 @29700 has 3 MA's), (38, 29778), (50, 29874), (52, 29895), (54, 29901), (58, 29985), (60, 30006), (63, 30057), (67, 30111), (74, 30186), (84, 30321), (88, 30333), (93, 30402), (95, 30411), (102, 30516), (109, 30585), (118, 30711), (125, 30792), (146, 30915), (151, 30942), (152, 30948), (158, 30966), (166, 31002),

Gene: Goldilocks_33 Start: 29051, Stop: 30553, Start Num: 21
Candidate Starts for Goldilocks_33:
(Start: 21 @29051 has 130 MA's), (Start: 31 @29120 has 3 MA's), (38, 29198), (50, 29294), (52, 29315), (54, 29321), (58, 29405), (60, 29426), (63, 29477), (67, 29531), (74, 29606), (84, 29741), (88, 29753), (93, 29822), (95, 29831), (102, 29936), (109, 30005), (118, 30131), (125, 30212), (141, 30308), (146, 30335), (151, 30362), (152, 30368), (158, 30386), (166, 30422),

Gene: GooberAzure_34 Start: 29631, Stop: 31133, Start Num: 21
Candidate Starts for GooberAzure_34:

(Start: 21 @29631 has 130 MA's), (Start: 31 @29700 has 3 MA's), (38, 29778), (50, 29874), (52, 29895), (54, 29901), (58, 29985), (60, 30006), (63, 30057), (67, 30111), (74, 30186), (84, 30321), (88, 30333), (93, 30402), (95, 30411), (102, 30516), (109, 30585), (118, 30711), (125, 30792), (146, 30915), (151, 30942), (152, 30948), (158, 30966), (166, 31002),

Gene: Greep_33 Start: 30030, Stop: 31463, Start Num: 31
Candidate Starts for Greep_33:
(Start: 21 @29961 has 130 MA's), (Start: 31 @30030 has 3 MA's), (38, 30108), (50, 30204), (52, 30225), (54, 30231), (58, 30315), (60, 30336), (63, 30387), (67, 30441), (74, 30516), (84, 30651), (88, 30663), (93, 30732), (95, 30741), (102, 30846), (109, 30915), (118, 31041), (125, 31122), (141, 31218), (146, 31245), (151, 31272), (152, 31278), (158, 31296), (166, 31332),

Gene: Guillsminger_29 Start: 25421, Stop: 27049, Start Num: 24
Candidate Starts for Guillsminger_29:
(Start: 22 @25415 has 91 MA's), (Start: 24 @25421 has 1 MA's), (Start: 25 @25436 has 1 MA's), (35, 25541), (39, 25565), (42, 25580), (47, 25628), (55, 25700), (56, 25703), (58, 25751), (60, 25772), (69, 25901), (72, 25922), (73, 25934), (74, 25949), (77, 25988), (86, 26096), (88, 26105), (93, 26174), (94, 26180), (95, 26183), (102, 26288), (106, 26324), (107, 26348), (112, 26396), (118, 26477), (125, 26561), (128, 26594), (129, 26597), (141, 26690), (146, 26717), (151, 26744), (152, 26750), (162, 26786), (166, 26804), (167, 26822), (171, 26855), (180, 26930), (181, 26939), (186, 27005), (188, 27023),

Gene: Halley_47 Start: 40780, Stop: 42198, Start Num: 22
Candidate Starts for Halley_47:
(Start: 22 @40780 has 91 MA's), (30, 40834), (35, 40906), (38, 40927), (48, 41008), (55, 41065), (58, 41116), (59, 41128), (60, 41137), (64, 41188), (75, 41320), (79, 41371), (90, 41503), (95, 41536), (96, 41539), (111, 41731), (117, 41818), (122, 41881), (125, 41905), (126, 41914), (148, 42064), (157, 42097), (158, 42100),

Gene: HanKaySha_33 Start: 29383, Stop: 30885, Start Num: 21
Candidate Starts for HanKaySha_33:
(Start: 21 @29383 has 130 MA's), (Start: 31 @29452 has 3 MA's), (38, 29530), (50, 29626), (52, 29647), (54, 29653), (58, 29737), (60, 29758), (63, 29809), (67, 29863), (74, 29938), (84, 30073), (88, 30085), (93, 30154), (95, 30163), (102, 30268), (109, 30337), (118, 30463), (125, 30544), (141, 30640), (146, 30667), (151, 30694), (152, 30700), (158, 30718), (166, 30754),

Gene: Hannaconda_42 Start: 34598, Stop: 36019, Start Num: 22
Candidate Starts for Hannaconda_42:
(Start: 22 @34598 has 91 MA's), (38, 34745), (58, 34934), (60, 34955), (64, 35006), (75, 35138), (79, 35189), (95, 35354), (99, 35402), (117, 35636), (122, 35699), (125, 35723), (126, 35732), (148, 35882), (157, 35915), (158, 35918),

Gene: Harella_31 Start: 29753, Stop: 31255, Start Num: 21
Candidate Starts for Harella_31:
(Start: 21 @29753 has 130 MA's), (Start: 31 @29822 has 3 MA's), (38, 29900), (50, 29996), (52, 30017), (54, 30023), (58, 30107), (60, 30128), (63, 30179), (67, 30233), (74, 30308), (84, 30443), (88, 30455), (93, 30524), (95, 30533), (102, 30638), (109, 30707), (118, 30833), (125, 30914), (151, 31064), (152, 31070), (158, 31088), (166, 31124),

Gene: Heftyboy_29 Start: 25564, Stop: 27198, Start Num: 22
Candidate Starts for Heftyboy_29:
(Start: 22 @25564 has 91 MA's), (Start: 24 @25570 has 1 MA's), (Start: 25 @25585 has 1 MA's), (35, 25690), (39, 25714), (47, 25777), (55, 25849), (56, 25852), (58, 25900), (60, 25921), (69, 26050), (72,

26071), (73, 26083), (74, 26098), (77, 26137), (82, 26230), (86, 26245), (88, 26254), (93, 26323), (94, 26329), (95, 26332), (107, 26497), (112, 26545), (118, 26626), (125, 26710), (128, 26743), (129, 26746), (146, 26866), (151, 26893), (152, 26899), (162, 26935), (166, 26953), (167, 26971), (177, 27064), (180, 27079), (181, 27088), (186, 27154),

Gene: Henry_33 Start: 29641, Stop: 31143, Start Num: 21
Candidate Starts for Henry_33:
(Start: 21 @29641 has 130 MA's), (Start: 31 @29710 has 3 MA's), (38, 29788), (50, 29884), (52, 29905), (54, 29911), (58, 29995), (60, 30016), (63, 30067), (67, 30121), (74, 30196), (84, 30331), (88, 30343), (93, 30412), (95, 30421), (102, 30526), (109, 30595), (118, 30721), (125, 30802), (151, 30952), (158, 30976), (166, 31012),

Gene: Highbury_33 Start: 29299, Stop: 30801, Start Num: 21
Candidate Starts for Highbury_33:
(Start: 21 @29299 has 130 MA's), (Start: 31 @29368 has 3 MA's), (38, 29446), (50, 29542), (52, 29563), (54, 29569), (58, 29653), (60, 29674), (63, 29725), (67, 29779), (74, 29854), (84, 29989), (88, 30001), (93, 30070), (95, 30079), (102, 30184), (109, 30253), (118, 30379), (125, 30460), (141, 30556), (146, 30583), (151, 30610), (152, 30616), (158, 30634), (166, 30670),

Gene: HokkenD_40 Start: 39049, Stop: 40467, Start Num: 22
Candidate Starts for HokkenD_40:
(Start: 22 @39049 has 91 MA's), (30, 39103), (35, 39175), (38, 39196), (48, 39277), (55, 39334), (58, 39385), (59, 39397), (60, 39406), (64, 39457), (75, 39589), (79, 39640), (90, 39772), (95, 39805), (96, 39808), (111, 40000), (117, 40087), (122, 40150), (125, 40174), (126, 40183), (148, 40333), (157, 40366), (158, 40369),

Gene: Holt_33 Start: 28918, Stop: 30420, Start Num: 21
Candidate Starts for Holt_33:
(Start: 21 @28918 has 130 MA's), (Start: 31 @28987 has 3 MA's), (38, 29065), (50, 29161), (52, 29182), (54, 29188), (58, 29272), (60, 29293), (63, 29344), (67, 29398), (74, 29473), (84, 29608), (88, 29620), (93, 29689), (95, 29698), (102, 29803), (109, 29872), (118, 29998), (125, 30079), (141, 30175), (146, 30202), (151, 30229), (152, 30235), (158, 30253), (166, 30289),

Gene: Hoonter_34 Start: 29631, Stop: 31133, Start Num: 21
Candidate Starts for Hoonter_34:
(Start: 21 @29631 has 130 MA's), (Start: 31 @29700 has 3 MA's), (38, 29778), (50, 29874), (52, 29895), (54, 29901), (58, 29985), (60, 30006), (63, 30057), (67, 30111), (74, 30186), (84, 30321), (88, 30333), (93, 30402), (95, 30411), (102, 30516), (109, 30585), (118, 30711), (125, 30792), (141, 30888), (146, 30915), (151, 30942), (152, 30948), (158, 30966), (166, 31002),

Gene: Hopey_34 Start: 29918, Stop: 31420, Start Num: 21
Candidate Starts for Hopey_34:
(Start: 21 @29918 has 130 MA's), (Start: 31 @29987 has 3 MA's), (38, 30065), (50, 30161), (52, 30182), (54, 30188), (58, 30272), (60, 30293), (63, 30344), (67, 30398), (74, 30473), (84, 30608), (88, 30620), (93, 30689), (95, 30698), (102, 30803), (109, 30872), (118, 30998), (125, 31079), (141, 31175), (146, 31202), (151, 31229), (152, 31235), (158, 31253), (166, 31289),

Gene: HufflyPuff_31 Start: 29625, Stop: 31127, Start Num: 21
Candidate Starts for HufflyPuff_31:
(Start: 21 @29625 has 130 MA's), (Start: 31 @29694 has 3 MA's), (38, 29772), (50, 29868), (52, 29889), (54, 29895), (58, 29979), (60, 30000), (63, 30051), (67, 30105), (74, 30180), (84, 30315), (88, 30327), (93, 30396), (95, 30405), (102, 30510), (109, 30579), (118, 30705), (125, 30786), (141, 30882), (146, 30909), (151, 30936), (152, 30942), (158, 30960), (166, 30996),

Gene: Hughesyang_45 Start: 40709, Stop: 42127, Start Num: 22
Candidate Starts for Hughesyang_45:
(Start: 22 @40709 has 91 MA's), (30, 40763), (35, 40835), (38, 40856), (48, 40937), (55, 40994), (58, 41045), (59, 41057), (60, 41066), (64, 41117), (75, 41249), (79, 41300), (90, 41432), (95, 41465), (96, 41468), (111, 41660), (117, 41747), (122, 41810), (125, 41834), (126, 41843), (148, 41993), (157, 42026), (158, 42029),

Gene: Hurricane_31 Start: 25714, Stop: 27399, Start Num: 23
Candidate Starts for Hurricane_31:
(Start: 23 @25714 has 17 MA's), (32, 25792), (38, 25858), (40, 25864), (52, 25957), (57, 26005), (58, 26047), (59, 26059), (60, 26068), (74, 26248), (77, 26287), (88, 26404), (92, 26452), (93, 26473), (94, 26479), (95, 26482), (102, 26587), (109, 26656), (114, 26740), (118, 26776), (125, 26854), (128, 26887), (140, 26959), (154, 27052), (161, 27082),

Gene: IHOP_32 Start: 29818, Stop: 31320, Start Num: 21
Candidate Starts for IHOP_32:
(Start: 21 @29818 has 130 MA's), (Start: 31 @29887 has 3 MA's), (38, 29965), (50, 30061), (52, 30082), (54, 30088), (58, 30172), (60, 30193), (63, 30244), (67, 30298), (74, 30373), (84, 30508), (88, 30520), (93, 30589), (95, 30598), (102, 30703), (109, 30772), (118, 30898), (125, 30979), (146, 31102), (151, 31129), (152, 31135), (158, 31153), (166, 31189),

Gene: Ibrahim_27 Start: 23579, Stop: 25162, Start Num: 22
Candidate Starts for Ibrahim_27:
(Start: 22 @23579 has 91 MA's), (32, 23660), (34, 23678), (39, 23729), (41, 23741), (42, 23744), (58, 23915), (61, 23942), (73, 24104), (75, 24125), (77, 24149), (81, 24215), (86, 24257), (91, 24311), (95, 24353), (101, 24437), (104, 24473), (106, 24491), (118, 24641), (125, 24728), (143, 24839), (159, 24920), (180, 25121),

Gene: Icee_31 Start: 29299, Stop: 30801, Start Num: 21
Candidate Starts for Icee_31:
(Start: 21 @29299 has 130 MA's), (Start: 31 @29368 has 3 MA's), (38, 29446), (50, 29542), (52, 29563), (54, 29569), (58, 29653), (60, 29674), (63, 29725), (73, 29839), (84, 29989), (88, 30001), (93, 30070), (95, 30079), (102, 30184), (109, 30253), (118, 30379), (125, 30460), (151, 30610), (152, 30616), (158, 30634), (166, 30670),

Gene: Inca_31 Start: 28320, Stop: 29822, Start Num: 21
Candidate Starts for Inca_31:
(Start: 21 @28320 has 130 MA's), (Start: 31 @28389 has 3 MA's), (38, 28467), (50, 28563), (52, 28584), (54, 28590), (58, 28674), (60, 28695), (63, 28746), (67, 28800), (74, 28875), (84, 29010), (88, 29022), (93, 29091), (95, 29100), (102, 29205), (109, 29274), (118, 29400), (125, 29481), (146, 29604), (151, 29631), (152, 29637), (158, 29655), (166, 29691),

Gene: InvictusManeo_29 Start: 25600, Stop: 27234, Start Num: 22
Candidate Starts for InvictusManeo_29:
(Start: 22 @25600 has 91 MA's), (Start: 24 @25606 has 1 MA's), (Start: 25 @25621 has 1 MA's), (35, 25726), (39, 25750), (42, 25765), (47, 25813), (55, 25885), (58, 25936), (60, 25957), (72, 26107), (73, 26119), (74, 26134), (77, 26173), (86, 26281), (88, 26290), (93, 26359), (94, 26365), (95, 26368), (107, 26533), (109, 26542), (112, 26581), (114, 26626), (118, 26662), (125, 26746), (128, 26779), (129, 26782), (151, 26929), (152, 26935), (162, 26971), (166, 26989), (181, 27124), (186, 27190), (190, 27223),

Gene: JF1_31 Start: 26019, Stop: 27629, Start Num: 22

Candidate Starts for JF1_31:
(Start: 22 @26019 has 91 MA's), (Start: 31 @26088 has 3 MA's), (35, 26145), (36, 26157), (38, 26166), (39, 26169), (42, 26184), (49, 26238), (54, 26271), (55, 26304), (58, 26355), (60, 26376), (62, 26409), (65, 26466), (73, 26538), (77, 26583), (88, 26700), (92, 26748), (93, 26769), (94, 26775), (95, 26778), (102, 26883), (112, 26991), (118, 27072), (119, 27090), (125, 27153), (126, 27162), (139, 27225), (172, 27441), (178, 27501),

Gene: JeTaime_34 Start: 30442, Stop: 31944, Start Num: 21
Candidate Starts for JeTaime_34:
(Start: 21 @30442 has 130 MA's), (Start: 31 @30511 has 3 MA's), (38, 30589), (50, 30685), (52, 30706), (54, 30712), (58, 30796), (60, 30817), (63, 30868), (67, 30922), (74, 30997), (84, 31132), (88, 31144), (93, 31213), (95, 31222), (102, 31327), (109, 31396), (118, 31522), (125, 31603), (141, 31699), (146, 31726), (151, 31753), (152, 31759), (158, 31777), (166, 31813),

Gene: JuicyJay_49 Start: 42529, Stop: 43947, Start Num: 22
Candidate Starts for JuicyJay_49:
(Start: 22 @42529 has 91 MA's), (30, 42583), (35, 42655), (38, 42676), (48, 42757), (55, 42814), (58, 42865), (59, 42877), (60, 42886), (64, 42937), (75, 43069), (79, 43120), (83, 43195), (90, 43252), (95, 43285), (96, 43288), (111, 43480), (117, 43567), (122, 43630), (125, 43654), (126, 43663), (148, 43813), (157, 43846), (158, 43849),

Gene: Juliette_33 Start: 26178, Stop: 27788, Start Num: 22
Candidate Starts for Juliette_33:
(Start: 22 @26178 has 91 MA's), (Start: 31 @26247 has 3 MA's), (35, 26304), (36, 26316), (38, 26325), (39, 26328), (42, 26343), (54, 26430), (55, 26463), (58, 26514), (60, 26535), (62, 26568), (73, 26697), (77, 26742), (88, 26859), (92, 26907), (93, 26928), (94, 26934), (95, 26937), (112, 27150), (118, 27231), (119, 27249), (125, 27312), (126, 27321), (139, 27384), (172, 27600), (178, 27660),

Gene: Kalah2_47 Start: 41117, Stop: 42535, Start Num: 22
Candidate Starts for Kalah2_47:
(Start: 22 @41117 has 91 MA's), (30, 41171), (35, 41243), (38, 41264), (48, 41345), (55, 41402), (58, 41453), (59, 41465), (60, 41474), (64, 41525), (75, 41657), (79, 41708), (90, 41840), (95, 41873), (96, 41876), (111, 42068), (117, 42155), (122, 42218), (125, 42242), (126, 42251), (148, 42401), (157, 42434), (158, 42437),

Gene: Kanye_34 Start: 30627, Stop: 32129, Start Num: 21
Candidate Starts for Kanye_34:
(Start: 21 @30627 has 130 MA's), (Start: 31 @30696 has 3 MA's), (38, 30774), (50, 30870), (52, 30891), (54, 30897), (58, 30981), (60, 31002), (63, 31053), (67, 31107), (74, 31182), (84, 31317), (88, 31329), (93, 31398), (95, 31407), (102, 31512), (109, 31581), (118, 31707), (125, 31788), (141, 31884), (146, 31911), (151, 31938), (152, 31944), (158, 31962), (166, 31998),

Gene: KashFlow_39 Start: 34219, Stop: 35640, Start Num: 22
Candidate Starts for KashFlow_39:
(Start: 22 @34219 has 91 MA's), (38, 34366), (58, 34555), (60, 34576), (64, 34627), (75, 34759), (79, 34810), (95, 34975), (99, 35023), (117, 35257), (122, 35320), (125, 35344), (126, 35353), (148, 35503), (157, 35536), (158, 35539),

Gene: Keshu_31 Start: 25708, Stop: 27387, Start Num: 23
Candidate Starts for Keshu_31:
(Start: 23 @25708 has 17 MA's), (32, 25786), (38, 25852), (40, 25858), (52, 25951), (58, 26041), (59, 26053), (60, 26062), (74, 26242), (77, 26281), (88, 26398), (92, 26446), (93, 26467), (94, 26473), (95, 26476), (102, 26581), (109, 26650), (114, 26734), (118, 26770), (125, 26851), (140, 26956), (154,

27049), (161, 27079), (175, 27196), (180, 27271),

Gene: KiSi_29 Start: 23968, Stop: 25626, Start Num: 19
Candidate Starts for KiSi_29:
(Start: 19 @23968 has 16 MA's), (36, 24103), (38, 24112), (39, 24115), (42, 24130), (50, 24208), (58, 24319), (60, 24340), (62, 24373), (66, 24439), (73, 24502), (74, 24517), (77, 24556), (88, 24673), (93, 24742), (95, 24751), (102, 24856), (107, 24916), (112, 24964), (118, 25045), (125, 25123), (128, 25156), (150, 25303), (152, 25312), (167, 25384), (174, 25450), (188, 25600),

Gene: Kimchi_34 Start: 29634, Stop: 31136, Start Num: 21
Candidate Starts for Kimchi_34:
(Start: 21 @29634 has 130 MA's), (Start: 31 @29703 has 3 MA's), (38, 29781), (50, 29877), (52, 29898), (54, 29904), (58, 29988), (60, 30009), (63, 30060), (67, 30114), (74, 30189), (84, 30324), (88, 30336), (93, 30405), (95, 30414), (102, 30519), (109, 30588), (118, 30714), (125, 30795), (146, 30918), (151, 30945), (152, 30951), (158, 30969), (166, 31005),

Gene: Kinmap_8 Start: 4508, Stop: 5944, Start Num: 23
Candidate Starts for Kinmap_8:
(Start: 23 @4508 has 17 MA's), (30, 4559), (38, 4652), (39, 4655), (45, 4724), (58, 4859), (60, 4880), (62, 4913), (78, 5060), (85, 5159), (87, 5162), (97, 5231), (98, 5267), (100, 5279), (103, 5321), (105, 5348), (108, 5372), (113, 5414), (115, 5468), (120, 5513), (125, 5573), (136, 5648), (142, 5705), (152, 5762), (170, 5873),

Gene: Klein_47 Start: 40341, Stop: 41759, Start Num: 22
Candidate Starts for Klein_47:
(Start: 22 @40341 has 91 MA's), (30, 40395), (35, 40467), (38, 40488), (48, 40569), (55, 40626), (58, 40677), (59, 40689), (60, 40698), (64, 40749), (75, 40881), (79, 40932), (83, 41007), (90, 41064), (95, 41097), (96, 41100), (111, 41292), (117, 41379), (122, 41442), (125, 41466), (126, 41475), (145, 41604), (151, 41637), (157, 41658), (158, 41661),

Gene: Kostya_33 Start: 29711, Stop: 31144, Start Num: 31
Candidate Starts for Kostya_33:
(Start: 21 @29642 has 130 MA's), (Start: 31 @29711 has 3 MA's), (38, 29789), (50, 29885), (52, 29906), (54, 29912), (58, 29996), (60, 30017), (63, 30068), (67, 30122), (74, 30197), (84, 30332), (88, 30344), (93, 30413), (95, 30422), (102, 30527), (109, 30596), (118, 30722), (125, 30803), (151, 30953), (158, 30977), (166, 31013),

Gene: Kratio_28 Start: 25231, Stop: 26865, Start Num: 22
Candidate Starts for Kratio_28:
(Start: 22 @25231 has 91 MA's), (Start: 24 @25237 has 1 MA's), (Start: 25 @25252 has 1 MA's), (35, 25357), (39, 25381), (42, 25396), (47, 25444), (55, 25516), (58, 25567), (60, 25588), (72, 25738), (73, 25750), (74, 25765), (77, 25804), (86, 25912), (88, 25921), (93, 25990), (94, 25996), (95, 25999), (101, 26086), (107, 26164), (109, 26173), (112, 26212), (114, 26257), (118, 26293), (125, 26377), (128, 26410), (129, 26413), (151, 26560), (152, 26566), (162, 26602), (166, 26620), (181, 26755), (186, 26821), (190, 26854),

Gene: Kraw_31 Start: 25943, Stop: 27553, Start Num: 22
Candidate Starts for Kraw_31:
(Start: 22 @25943 has 91 MA's), (Start: 31 @26012 has 3 MA's), (35, 26069), (36, 26081), (38, 26090), (39, 26093), (42, 26108), (49, 26162), (54, 26195), (55, 26228), (58, 26279), (60, 26300), (62, 26333), (65, 26390), (73, 26462), (77, 26507), (88, 26624), (92, 26672), (93, 26693), (94, 26699), (95, 26702), (102, 26807), (112, 26915), (118, 26996), (119, 27014), (125, 27077), (126, 27086), (139, 27149), (172, 27365), (178, 27425),

Gene: Krueger_30 Start: 24088, Stop: 25734, Start Num: 22
Candidate Starts for Krueger_30:
(Start: 22 @24088 has 91 MA's), (Start: 31 @24157 has 3 MA's), (32, 24169), (36, 24226), (38, 24235), (58, 24424), (60, 24445), (62, 24481), (74, 24625), (77, 24664), (84, 24769), (93, 24850), (94, 24856), (95, 24859), (102, 24964), (110, 25036), (112, 25072), (118, 25153), (125, 25228), (128, 25261), (137, 25306), (140, 25333), (150, 25411), (161, 25456), (176, 25585), (181, 25624), (183, 25633), (184, 25654), (188, 25708),

Gene: Larva_30 Start: 25395, Stop: 27029, Start Num: 22
Candidate Starts for Larva_30:
(Start: 22 @25395 has 91 MA's), (Start: 24 @25401 has 1 MA's), (Start: 25 @25416 has 1 MA's), (33, 25479), (35, 25521), (39, 25545), (42, 25560), (47, 25608), (55, 25680), (56, 25683), (58, 25731), (60, 25752), (72, 25902), (73, 25914), (77, 25968), (86, 26076), (88, 26085), (93, 26154), (94, 26160), (95, 26163), (101, 26250), (106, 26304), (107, 26328), (112, 26376), (118, 26457), (125, 26541), (128, 26574), (129, 26577), (151, 26724), (152, 26730), (162, 26766), (166, 26784), (181, 26919), (186, 26985), (190, 27018),

Gene: LeMond_29 Start: 24039, Stop: 25697, Start Num: 19
Candidate Starts for LeMond_29:
(Start: 19 @24039 has 16 MA's), (36, 24174), (38, 24183), (39, 24186), (42, 24201), (50, 24279), (58, 24390), (60, 24411), (62, 24444), (66, 24510), (73, 24573), (74, 24588), (77, 24627), (88, 24744), (93, 24813), (95, 24822), (102, 24927), (107, 24987), (112, 25035), (118, 25116), (125, 25194), (128, 25227), (150, 25374), (152, 25383), (167, 25455), (174, 25521), (188, 25671),

Gene: Lea83_31 Start: 25778, Stop: 27457, Start Num: 23
Candidate Starts for Lea83_31:
(Start: 23 @25778 has 17 MA's), (32, 25856), (36, 25913), (38, 25922), (52, 26021), (58, 26111), (59, 26123), (60, 26132), (74, 26312), (77, 26351), (88, 26468), (92, 26516), (93, 26537), (94, 26543), (95, 26546), (102, 26651), (109, 26720), (114, 26804), (118, 26840), (125, 26918), (128, 26951), (140, 27023), (154, 27116), (160, 27143), (161, 27146), (175, 27263),

Gene: Lebo14_31 Start: 26033, Stop: 27643, Start Num: 22
Candidate Starts for Lebo14_31:
(Start: 22 @26033 has 91 MA's), (Start: 31 @26102 has 3 MA's), (35, 26159), (36, 26171), (38, 26180), (39, 26183), (42, 26198), (54, 26285), (55, 26318), (58, 26369), (60, 26390), (73, 26552), (77, 26597), (88, 26714), (93, 26783), (94, 26789), (95, 26792), (112, 27005), (118, 27086), (119, 27104), (125, 27167), (126, 27176), (139, 27239), (172, 27455), (178, 27515),

Gene: Leston_29 Start: 25566, Stop: 27179, Start Num: 25
Candidate Starts for Leston_29:
(Start: 22 @25545 has 91 MA's), (Start: 24 @25551 has 1 MA's), (Start: 25 @25566 has 1 MA's), (35, 25671), (39, 25695), (42, 25710), (47, 25758), (55, 25830), (56, 25833), (58, 25881), (60, 25902), (69, 26031), (72, 26052), (73, 26064), (74, 26079), (77, 26118), (86, 26226), (88, 26235), (93, 26304), (94, 26310), (95, 26313), (102, 26418), (106, 26454), (107, 26478), (112, 26526), (118, 26607), (125, 26691), (128, 26724), (129, 26727), (141, 26820), (146, 26847), (151, 26874), (152, 26880), (162, 26916), (166, 26934), (167, 26952), (171, 26985), (180, 27060), (181, 27069), (186, 27135), (188, 27153),

Gene: LilDirt_28 Start: 25357, Stop: 26991, Start Num: 22
Candidate Starts for LilDirt_28:
(Start: 22 @25357 has 91 MA's), (Start: 24 @25363 has 1 MA's), (Start: 25 @25378 has 1 MA's), (35, 25483), (39, 25507), (42, 25522), (47, 25570), (55, 25642), (58, 25693), (60, 25714), (72, 25864), (73,

25876), (74, 25891), (77, 25930), (86, 26038), (88, 26047), (93, 26116), (94, 26122), (95, 26125), (107, 26290), (109, 26299), (112, 26338), (114, 26383), (118, 26419), (125, 26503), (128, 26536), (129, 26539), (151, 26686), (152, 26692), (162, 26728), (166, 26746), (181, 26881), (186, 26947), (190, 26980),

Gene: LilPharaoh_26 Start: 24344, Stop: 25981, Start Num: 19
Candidate Starts for LilPharaoh_26:
(Start: 19 @24344 has 16 MA's), (28, 24386), (32, 24425), (36, 24482), (38, 24491), (45, 24563), (51, 24590), (58, 24698), (60, 24719), (62, 24752), (74, 24896), (77, 24935), (88, 25052), (90, 25091), (92, 25100), (93, 25121), (94, 25127), (95, 25130), (102, 25235), (107, 25295), (118, 25424), (125, 25499), (139, 25592), (182, 25874), (188, 25955), (190, 25970),

Gene: Lilac_34 Start: 29138, Stop: 30640, Start Num: 21
Candidate Starts for Lilac_34:
(Start: 21 @29138 has 130 MA's), (Start: 31 @29207 has 3 MA's), (38, 29285), (50, 29381), (52, 29402), (54, 29408), (58, 29492), (60, 29513), (63, 29564), (67, 29618), (74, 29693), (84, 29828), (88, 29840), (93, 29909), (95, 29918), (102, 30023), (109, 30092), (118, 30218), (125, 30299), (141, 30395), (146, 30422), (151, 30449), (152, 30455), (158, 30473), (166, 30509),

Gene: Lilizi_34 Start: 29346, Stop: 30848, Start Num: 21
Candidate Starts for Lilizi_34:
(Start: 21 @29346 has 130 MA's), (Start: 31 @29415 has 3 MA's), (38, 29493), (50, 29589), (52, 29610), (54, 29616), (58, 29700), (60, 29721), (63, 29772), (67, 29826), (74, 29901), (84, 30036), (88, 30048), (93, 30117), (95, 30126), (102, 30231), (109, 30300), (118, 30426), (125, 30507), (141, 30603), (146, 30630), (151, 30657), (152, 30663), (158, 30681), (166, 30717),

Gene: Lilpickle_31 Start: 28848, Stop: 30350, Start Num: 21
Candidate Starts for Lilpickle_31:
(Start: 21 @28848 has 130 MA's), (Start: 31 @28917 has 3 MA's), (38, 28995), (50, 29091), (52, 29112), (54, 29118), (58, 29202), (60, 29223), (63, 29274), (67, 29328), (74, 29403), (84, 29538), (88, 29550), (93, 29619), (95, 29628), (102, 29733), (109, 29802), (118, 29928), (125, 30009), (146, 30132), (151, 30159), (152, 30165), (158, 30183), (166, 30219),

Gene: LittleE_51 Start: 40578, Stop: 41996, Start Num: 22
Candidate Starts for LittleE_51:
(Start: 22 @40578 has 91 MA's), (38, 40725), (55, 40863), (58, 40914), (59, 40926), (60, 40935), (62, 40968), (64, 40986), (75, 41118), (79, 41169), (95, 41334), (99, 41382), (117, 41616), (122, 41679), (125, 41703), (126, 41712), (148, 41862), (157, 41895), (158, 41898),

Gene: Livelaughbron_33 Start: 29824, Stop: 31257, Start Num: 31
Candidate Starts for Livelaughbron_33:
(Start: 21 @29755 has 130 MA's), (Start: 31 @29824 has 3 MA's), (38, 29902), (50, 29998), (52, 30019), (54, 30025), (58, 30109), (60, 30130), (63, 30181), (67, 30235), (74, 30310), (84, 30445), (88, 30457), (93, 30526), (95, 30535), (102, 30640), (109, 30709), (118, 30835), (125, 30916), (141, 31012), (146, 31039), (151, 31066), (152, 31072), (158, 31090), (166, 31126),

Gene: MISSy_31 Start: 29153, Stop: 30655, Start Num: 21
Candidate Starts for MISSy_31:
(Start: 21 @29153 has 130 MA's), (Start: 31 @29222 has 3 MA's), (38, 29300), (50, 29396), (52, 29417), (54, 29423), (58, 29507), (60, 29528), (63, 29579), (67, 29633), (74, 29708), (84, 29843), (88, 29855), (93, 29924), (95, 29933), (102, 30038), (109, 30107), (118, 30233), (125, 30314), (141, 30410), (146, 30437), (151, 30464), (152, 30470), (158, 30488), (166, 30524),

Gene: MPhalcon_31 Start: 29147, Stop: 30649, Start Num: 21
Candidate Starts for MPhalcon_31:
(Start: 21 @29147 has 130 MA's), (Start: 31 @29216 has 3 MA's), (38, 29294), (50, 29390), (52, 29411), (54, 29417), (58, 29501), (60, 29522), (63, 29573), (67, 29627), (74, 29702), (84, 29837), (88, 29849), (93, 29918), (95, 29927), (102, 30032), (109, 30101), (118, 30227), (125, 30308), (141, 30404), (146, 30431), (151, 30458), (152, 30464), (158, 30482), (166, 30518),

Gene: MacnCheese_31 Start: 25776, Stop: 27434, Start Num: 23
Candidate Starts for MacnCheese_31:
(Start: 23 @25776 has 17 MA's), (32, 25854), (35, 25899), (38, 25920), (40, 25926), (52, 26019), (57, 26067), (58, 26109), (59, 26121), (60, 26130), (71, 26265), (74, 26310), (77, 26349), (83, 26448), (88, 26466), (92, 26514), (93, 26535), (94, 26541), (95, 26544), (102, 26649), (109, 26718), (114, 26802), (118, 26838), (125, 26913), (138, 27006), (150, 27093), (151, 27096), (161, 27132), (163, 27144), (173, 27231), (181, 27327), (187, 27405), (188, 27411),

Gene: MadamMonkfish_32 Start: 29059, Stop: 30561, Start Num: 21
Candidate Starts for MadamMonkfish_32:
(Start: 21 @29059 has 130 MA's), (Start: 31 @29128 has 3 MA's), (38, 29206), (50, 29302), (52, 29323), (54, 29329), (58, 29413), (60, 29434), (63, 29485), (67, 29539), (74, 29614), (84, 29749), (88, 29761), (93, 29830), (95, 29839), (102, 29944), (109, 30013), (118, 30139), (125, 30220), (141, 30316), (146, 30343), (151, 30370), (152, 30376), (158, 30394), (166, 30430),

Gene: MalagasyRose_30 Start: 24210, Stop: 25847, Start Num: 22
Candidate Starts for MalagasyRose_30:
(Start: 22 @24210 has 91 MA's), (26, 24237), (33, 24294), (35, 24336), (38, 24357), (42, 24375), (56, 24516), (58, 24561), (60, 24582), (62, 24615), (69, 24711), (73, 24744), (74, 24759), (75, 24765), (77, 24798), (84, 24903), (86, 24906), (88, 24915), (89, 24942), (93, 24984), (95, 24993), (102, 25098), (107, 25158), (112, 25206), (118, 25287), (125, 25368), (126, 25377), (128, 25401), (144, 25512), (151, 25551), (164, 25602), (167, 25629), (179, 25725), (181, 25737), (184, 25767), (188, 25821),

Gene: Malthus_32 Start: 25943, Stop: 27553, Start Num: 22
Candidate Starts for Malthus_32:
(Start: 22 @25943 has 91 MA's), (Start: 31 @26012 has 3 MA's), (35, 26069), (36, 26081), (38, 26090), (39, 26093), (42, 26108), (49, 26162), (54, 26195), (55, 26228), (58, 26279), (60, 26300), (62, 26333), (65, 26390), (73, 26462), (77, 26507), (88, 26624), (92, 26672), (93, 26693), (94, 26699), (95, 26702), (102, 26807), (112, 26915), (118, 26996), (119, 27014), (125, 27077), (126, 27086), (139, 27149), (172, 27365), (178, 27425),

Gene: Manda_33 Start: 30126, Stop: 31628, Start Num: 21
Candidate Starts for Manda_33:
(Start: 21 @30126 has 130 MA's), (Start: 31 @30195 has 3 MA's), (38, 30273), (50, 30369), (52, 30390), (54, 30396), (58, 30480), (60, 30501), (63, 30552), (67, 30606), (74, 30681), (84, 30816), (88, 30828), (93, 30897), (95, 30906), (102, 31011), (109, 31080), (118, 31206), (125, 31287), (151, 31437), (152, 31443), (158, 31461), (166, 31497),

Gene: MarkPhew_30 Start: 23940, Stop: 25595, Start Num: 19
Candidate Starts for MarkPhew_30:
(Start: 19 @23940 has 16 MA's), (28, 23979), (29, 23985), (32, 24018), (38, 24084), (50, 24180), (58, 24291), (60, 24312), (62, 24345), (73, 24474), (74, 24489), (77, 24528), (92, 24693), (93, 24714), (95, 24723), (102, 24828), (112, 24936), (118, 25017), (125, 25098), (150, 25278), (167, 25359), (174, 25425), (182, 25488), (188, 25569),

Gene: Marshmallow_32 Start: 29639, Stop: 31141, Start Num: 21

Candidate Starts for Marshmallow_32:
(Start: 21 @29639 has 130 MA's), (Start: 31 @29708 has 3 MA's), (38, 29786), (50, 29882), (52, 29903), (54, 29909), (58, 29993), (60, 30014), (63, 30065), (67, 30119), (74, 30194), (84, 30329), (88, 30341), (93, 30410), (95, 30419), (102, 30524), (109, 30593), (118, 30719), (125, 30800), (151, 30950), (152, 30956), (158, 30974), (166, 31010),

Gene: Maxxinista_33 Start: 29108, Stop: 30610, Start Num: 21
Candidate Starts for Maxxinista_33:
(Start: 21 @29108 has 130 MA's), (Start: 31 @29177 has 3 MA's), (38, 29255), (50, 29351), (52, 29372), (54, 29378), (58, 29462), (60, 29483), (63, 29534), (67, 29588), (74, 29663), (84, 29798), (88, 29810), (93, 29879), (95, 29888), (102, 29993), (109, 30062), (118, 30188), (125, 30269), (146, 30392), (151, 30419), (152, 30425), (158, 30443), (166, 30479),

Gene: Mdavu_26 Start: 24332, Stop: 25969, Start Num: 19
Candidate Starts for Mdavu_26:
(Start: 19 @24332 has 16 MA's), (28, 24374), (32, 24413), (36, 24470), (38, 24479), (45, 24551), (51, 24578), (58, 24686), (60, 24707), (62, 24740), (74, 24884), (77, 24923), (88, 25040), (90, 25079), (92, 25088), (93, 25109), (94, 25115), (95, 25118), (102, 25223), (107, 25283), (118, 25412), (125, 25487), (139, 25580), (182, 25862), (188, 25943), (190, 25958),

Gene: Mendokysei_26 Start: 23388, Stop: 24968, Start Num: 22
Candidate Starts for Mendokysei_26:
(Start: 22 @23388 has 91 MA's), (32, 23469), (41, 23550), (58, 23724), (61, 23751), (65, 23835), (70, 23877), (73, 23910), (77, 23955), (81, 24021), (82, 24048), (86, 24063), (91, 24117), (95, 24159), (101, 24243), (104, 24279), (106, 24297), (118, 24447), (123, 24504), (125, 24534), (143, 24645), (147, 24663), (159, 24726),

Gene: Mindy_32 Start: 29488, Stop: 30921, Start Num: 31
Candidate Starts for Mindy_32:
(Start: 21 @29419 has 130 MA's), (Start: 31 @29488 has 3 MA's), (38, 29566), (50, 29662), (52, 29683), (54, 29689), (58, 29773), (60, 29794), (63, 29845), (67, 29899), (74, 29974), (84, 30109), (88, 30121), (93, 30190), (95, 30199), (102, 30304), (109, 30373), (118, 30499), (125, 30580), (151, 30730), (158, 30754), (166, 30790),

Gene: Minerva_53 Start: 42154, Stop: 43596, Start Num: 18
Candidate Starts for Minerva_53:
(16, 42130), (Start: 18 @42154 has 2 MA's), (Start: 23 @42163 has 17 MA's), (43, 42328), (44, 42349), (46, 42379), (52, 42421), (53, 42424), (60, 42532), (75, 42718), (79, 42769), (90, 42901), (95, 42934), (96, 42937), (111, 43129), (117, 43216), (122, 43279), (125, 43303), (126, 43312), (145, 43441), (151, 43474), (157, 43495), (158, 43498),

Gene: Miniwave_32 Start: 29838, Stop: 31340, Start Num: 21
Candidate Starts for Miniwave_32:
(Start: 21 @29838 has 130 MA's), (Start: 31 @29907 has 3 MA's), (38, 29985), (50, 30081), (52, 30102), (54, 30108), (58, 30192), (60, 30213), (63, 30264), (67, 30318), (74, 30393), (84, 30528), (88, 30540), (93, 30609), (95, 30618), (102, 30723), (109, 30792), (118, 30918), (125, 30999), (141, 31095), (146, 31122), (151, 31149), (152, 31155), (158, 31173), (166, 31209),

Gene: Miryou_29 Start: 25400, Stop: 27034, Start Num: 22
Candidate Starts for Miryou_29:
(Start: 22 @25400 has 91 MA's), (Start: 24 @25406 has 1 MA's), (Start: 25 @25421 has 1 MA's), (35, 25526), (38, 25547), (39, 25550), (42, 25565), (47, 25613), (55, 25685), (56, 25688), (58, 25736), (60, 25757), (69, 25886), (72, 25907), (73, 25919), (74, 25934), (77, 25973), (86, 26081), (88, 26090), (93,

26159), (94, 26165), (95, 26168), (102, 26273), (106, 26309), (107, 26333), (112, 26381), (118, 26462), (125, 26546), (128, 26579), (129, 26582), (141, 26675), (146, 26702), (151, 26729), (152, 26735), (162, 26771), (166, 26789), (167, 26807), (171, 26840), (177, 26900), (186, 26990), (188, 27008), (190, 27023),

Gene: Misfit_32 Start: 29728, Stop: 31230, Start Num: 21
Candidate Starts for Misfit_32:
(Start: 21 @29728 has 130 MA's), (Start: 31 @29797 has 3 MA's), (38, 29875), (50, 29971), (52, 29992), (54, 29998), (58, 30082), (60, 30103), (63, 30154), (67, 30208), (74, 30283), (84, 30418), (88, 30430), (93, 30499), (95, 30508), (102, 30613), (109, 30682), (118, 30808), (125, 30889), (146, 31012), (151, 31039), (152, 31045), (158, 31063), (166, 31099),

Gene: MissDaisy_31 Start: 25786, Stop: 27396, Start Num: 22
Candidate Starts for MissDaisy_31:
(Start: 22 @25786 has 91 MA's), (Start: 31 @25855 has 3 MA's), (35, 25912), (36, 25924), (38, 25933), (39, 25936), (42, 25951), (49, 26005), (58, 26122), (60, 26143), (73, 26305), (77, 26350), (88, 26467), (89, 26494), (93, 26536), (95, 26545), (102, 26650), (112, 26758), (118, 26839), (125, 26920), (126, 26929), (139, 26992), (172, 27208),

Gene: Mitti_31 Start: 25944, Stop: 27554, Start Num: 22
Candidate Starts for Mitti_31:
(Start: 22 @25944 has 91 MA's), (Start: 31 @26013 has 3 MA's), (35, 26070), (36, 26082), (38, 26091), (39, 26094), (42, 26109), (49, 26163), (54, 26196), (58, 26280), (60, 26301), (62, 26334), (73, 26463), (77, 26508), (88, 26625), (93, 26694), (94, 26700), (95, 26703), (112, 26916), (118, 26997), (119, 27015), (125, 27078), (126, 27087), (139, 27150), (172, 27366), (178, 27426),

Gene: Moldemort_33 Start: 29383, Stop: 30885, Start Num: 21
Candidate Starts for Moldemort_33:
(Start: 21 @29383 has 130 MA's), (Start: 31 @29452 has 3 MA's), (38, 29530), (50, 29626), (52, 29647), (54, 29653), (58, 29737), (60, 29758), (63, 29809), (67, 29863), (74, 29938), (84, 30073), (88, 30085), (93, 30154), (95, 30163), (102, 30268), (109, 30337), (118, 30463), (125, 30544), (146, 30667), (151, 30694), (152, 30700), (158, 30718), (166, 30754),

Gene: MollyToe_32 Start: 29812, Stop: 31314, Start Num: 21
Candidate Starts for MollyToe_32:
(Start: 21 @29812 has 130 MA's), (Start: 31 @29881 has 3 MA's), (38, 29959), (50, 30055), (52, 30076), (54, 30082), (58, 30166), (60, 30187), (63, 30238), (67, 30292), (74, 30367), (84, 30502), (88, 30514), (93, 30583), (95, 30592), (102, 30697), (109, 30766), (118, 30892), (125, 30973), (141, 31069), (146, 31096), (151, 31123), (152, 31129), (158, 31147), (166, 31183),

Gene: Mosby_31 Start: 29145, Stop: 30647, Start Num: 21
Candidate Starts for Mosby_31:
(Start: 21 @29145 has 130 MA's), (Start: 31 @29214 has 3 MA's), (38, 29292), (50, 29388), (52, 29409), (54, 29415), (58, 29499), (60, 29520), (63, 29571), (67, 29625), (74, 29700), (84, 29835), (88, 29847), (93, 29916), (95, 29925), (102, 30030), (109, 30099), (118, 30225), (125, 30306), (151, 30456), (152, 30462), (158, 30480), (166, 30516),

Gene: Murica_31 Start: 29625, Stop: 31127, Start Num: 21
Candidate Starts for Murica_31:
(Start: 21 @29625 has 130 MA's), (Start: 31 @29694 has 3 MA's), (38, 29772), (50, 29868), (52, 29889), (54, 29895), (58, 29979), (60, 30000), (63, 30051), (67, 30105), (74, 30180), (84, 30315), (88, 30327), (93, 30396), (95, 30405), (102, 30510), (109, 30579), (118, 30705), (125, 30786), (141, 30882), (146, 30909), (151, 30936), (152, 30942), (158, 30960), (166, 30996),

Gene: Murphy_33 Start: 29620, Stop: 31122, Start Num: 21
Candidate Starts for Murphy_33:
(Start: 21 @29620 has 130 MA's), (Start: 31 @29689 has 3 MA's), (38, 29767), (50, 29863), (52, 29884), (54, 29890), (58, 29974), (60, 29995), (63, 30046), (67, 30100), (74, 30175), (84, 30310), (88, 30322), (93, 30391), (95, 30400), (102, 30505), (109, 30574), (118, 30700), (125, 30781), (141, 30877), (146, 30904), (151, 30931), (152, 30937), (158, 30955), (166, 30991),

Gene: Myrale_32 Start: 29504, Stop: 31006, Start Num: 21
Candidate Starts for Myrale_32:
(Start: 21 @29504 has 130 MA's), (Start: 31 @29573 has 3 MA's), (38, 29651), (50, 29747), (52, 29768), (54, 29774), (58, 29858), (60, 29879), (63, 29930), (67, 29984), (74, 30059), (84, 30194), (88, 30206), (93, 30275), (95, 30284), (102, 30389), (109, 30458), (118, 30584), (125, 30665), (151, 30815), (152, 30821), (158, 30839), (166, 30875),

Gene: Nairb_27 Start: 23579, Stop: 25162, Start Num: 22
Candidate Starts for Nairb_27:
(Start: 22 @23579 has 91 MA's), (32, 23660), (34, 23678), (39, 23729), (41, 23741), (42, 23744), (58, 23915), (61, 23942), (73, 24104), (75, 24125), (77, 24149), (81, 24215), (86, 24257), (91, 24311), (95, 24353), (101, 24437), (104, 24473), (106, 24491), (118, 24641), (125, 24728), (143, 24839), (159, 24920), (180, 25121),

Gene: Nala_32 Start: 29659, Stop: 31161, Start Num: 21
Candidate Starts for Nala_32:
(Start: 21 @29659 has 130 MA's), (Start: 31 @29728 has 3 MA's), (38, 29806), (50, 29902), (52, 29923), (54, 29929), (58, 30013), (60, 30034), (63, 30085), (67, 30139), (74, 30214), (84, 30349), (88, 30361), (93, 30430), (95, 30439), (102, 30544), (109, 30613), (118, 30739), (125, 30820), (146, 30943), (151, 30970), (152, 30976), (158, 30994), (166, 31030),

Gene: Neighly_30 Start: 25394, Stop: 27028, Start Num: 22
Candidate Starts for Neighly_30:
(Start: 22 @25394 has 91 MA's), (Start: 24 @25400 has 1 MA's), (Start: 25 @25415 has 1 MA's), (33, 25478), (35, 25520), (39, 25544), (42, 25559), (47, 25607), (55, 25679), (56, 25682), (58, 25730), (60, 25751), (72, 25901), (73, 25913), (77, 25967), (86, 26075), (88, 26084), (93, 26153), (94, 26159), (95, 26162), (101, 26249), (106, 26303), (107, 26327), (112, 26375), (118, 26456), (125, 26540), (128, 26573), (129, 26576), (151, 26723), (152, 26729), (162, 26765), (166, 26783), (181, 26918), (186, 26984), (190, 27017),

Gene: Nekros_45 Start: 39651, Stop: 41069, Start Num: 22
Candidate Starts for Nekros_45:
(Start: 22 @39651 has 91 MA's), (33, 39735), (38, 39798), (48, 39879), (58, 39987), (60, 40008), (62, 40041), (64, 40059), (75, 40191), (79, 40242), (95, 40407), (99, 40455), (111, 40602), (117, 40689), (122, 40752), (125, 40776), (126, 40785), (148, 40935), (157, 40968), (158, 40971),

Gene: NelitzaMV_32 Start: 29709, Stop: 31211, Start Num: 21
Candidate Starts for NelitzaMV_32:
(Start: 21 @29709 has 130 MA's), (Start: 31 @29778 has 3 MA's), (38, 29856), (50, 29952), (52, 29973), (54, 29979), (58, 30063), (60, 30084), (63, 30135), (73, 30249), (84, 30399), (88, 30411), (93, 30480), (95, 30489), (102, 30594), (109, 30663), (118, 30789), (125, 30870), (151, 31020), (152, 31026), (158, 31044), (166, 31080),

Gene: Nergal_26 Start: 22488, Stop: 24122, Start Num: 23
Candidate Starts for Nergal_26:

(Start: 23 @22488 has 17 MA's), (Start: 31 @22557 has 3 MA's), (32, 22569), (36, 22626), (40, 22641), (58, 22824), (60, 22845), (61, 22851), (63, 22896), (73, 23007), (92, 23226), (93, 23247), (94, 23253), (95, 23256), (102, 23361), (107, 23421), (110, 23433), (112, 23469), (114, 23520), (118, 23556), (125, 23631), (128, 23664), (130, 23676), (137, 23715), (151, 23814), (163, 23862), (188, 24096),

Gene: Nette_28 Start: 23397, Stop: 24977, Start Num: 22
Candidate Starts for Nette_28:
(Start: 22 @23397 has 91 MA's), (32, 23478), (41, 23559), (58, 23733), (61, 23760), (65, 23844), (70, 23886), (73, 23919), (77, 23964), (81, 24030), (82, 24057), (86, 24072), (91, 24126), (95, 24168), (101, 24252), (104, 24288), (106, 24306), (118, 24456), (123, 24513), (125, 24543), (143, 24654), (147, 24672), (159, 24735),

Gene: Nibb_29 Start: 24078, Stop: 25730, Start Num: 19
Candidate Starts for Nibb_29:
(Start: 19 @24078 has 16 MA's), (30, 24129), (32, 24156), (38, 24222), (50, 24318), (58, 24429), (60, 24450), (62, 24483), (73, 24612), (77, 24666), (92, 24831), (93, 24852), (95, 24861), (102, 24966), (107, 25026), (112, 25074), (118, 25155), (125, 25233), (128, 25266), (150, 25413), (152, 25422), (153, 25425), (167, 25494), (174, 25560), (182, 25623), (188, 25704),

Gene: Nibley_41 Start: 35673, Stop: 37091, Start Num: 22
Candidate Starts for Nibley_41:
(Start: 22 @35673 has 91 MA's), (38, 35820), (48, 35901), (58, 36009), (59, 36021), (60, 36030), (62, 36063), (64, 36081), (75, 36213), (79, 36264), (95, 36429), (99, 36477), (111, 36624), (117, 36711), (122, 36774), (125, 36798), (126, 36807), (148, 36957), (157, 36990), (158, 36993),

Gene: NihilNomen_46 Start: 40857, Stop: 42275, Start Num: 22
Candidate Starts for NihilNomen_46:
(Start: 22 @40857 has 91 MA's), (30, 40911), (35, 40983), (38, 41004), (48, 41085), (55, 41142), (58, 41193), (59, 41205), (60, 41214), (64, 41265), (75, 41397), (79, 41448), (83, 41523), (90, 41580), (95, 41613), (96, 41616), (111, 41808), (117, 41895), (122, 41958), (125, 41982), (126, 41991), (145, 42120), (151, 42153), (157, 42174), (158, 42177),

Gene: Nikao_26 Start: 24344, Stop: 25981, Start Num: 19
Candidate Starts for Nikao_26:
(Start: 19 @24344 has 16 MA's), (28, 24386), (32, 24425), (36, 24482), (38, 24491), (45, 24563), (51, 24590), (58, 24698), (60, 24719), (62, 24752), (74, 24896), (77, 24935), (88, 25052), (90, 25091), (92, 25100), (93, 25121), (94, 25127), (95, 25130), (102, 25235), (107, 25295), (118, 25424), (125, 25499), (139, 25592), (182, 25874), (188, 25955), (190, 25970),

Gene: Nimrod_32 Start: 29883, Stop: 31385, Start Num: 21
Candidate Starts for Nimrod_32:
(Start: 21 @29883 has 130 MA's), (Start: 31 @29952 has 3 MA's), (38, 30030), (50, 30126), (52, 30147), (54, 30153), (58, 30237), (60, 30258), (63, 30309), (67, 30363), (74, 30438), (84, 30573), (88, 30585), (93, 30654), (95, 30663), (102, 30768), (109, 30837), (118, 30963), (125, 31044), (141, 31140), (146, 31167), (151, 31194), (152, 31200), (158, 31218), (166, 31254),

Gene: NoSleep_33 Start: 29380, Stop: 30882, Start Num: 21
Candidate Starts for NoSleep_33:
(Start: 21 @29380 has 130 MA's), (Start: 31 @29449 has 3 MA's), (38, 29527), (50, 29623), (52, 29644), (54, 29650), (58, 29734), (60, 29755), (63, 29806), (67, 29860), (74, 29935), (84, 30070), (88, 30082), (93, 30151), (95, 30160), (102, 30265), (109, 30334), (118, 30460), (125, 30541), (146, 30664), (151, 30691), (152, 30697), (158, 30715), (166, 30751),

Gene: Nolwazi_32 Start: 25944, Stop: 27554, Start Num: 22
Candidate Starts for Nolwazi_32:
(Start: 22 @25944 has 91 MA's), (Start: 31 @26013 has 3 MA's), (35, 26070), (36, 26082), (38, 26091), (39, 26094), (42, 26109), (49, 26163), (54, 26196), (55, 26229), (58, 26280), (60, 26301), (62, 26334), (65, 26391), (73, 26463), (77, 26508), (88, 26625), (92, 26673), (93, 26694), (94, 26700), (95, 26703), (102, 26808), (112, 26916), (118, 26997), (119, 27015), (125, 27078), (126, 27087), (139, 27150), (172, 27366), (178, 27426),

Gene: NonchalantPear_32 Start: 29333, Stop: 30835, Start Num: 21
Candidate Starts for NonchalantPear_32:
(Start: 21 @29333 has 130 MA's), (Start: 31 @29402 has 3 MA's), (38, 29480), (50, 29576), (52, 29597), (54, 29603), (58, 29687), (60, 29708), (63, 29759), (67, 29813), (74, 29888), (84, 30023), (88, 30035), (93, 30104), (95, 30113), (102, 30218), (109, 30287), (118, 30413), (125, 30494), (146, 30617), (151, 30644), (152, 30650), (158, 30668), (166, 30704),

Gene: Nutello_26 Start: 24344, Stop: 25981, Start Num: 19
Candidate Starts for Nutello_26:
(Start: 19 @24344 has 16 MA's), (28, 24386), (32, 24425), (36, 24482), (38, 24491), (45, 24563), (51, 24590), (58, 24698), (60, 24719), (62, 24752), (74, 24896), (77, 24935), (88, 25052), (90, 25091), (92, 25100), (93, 25121), (94, 25127), (95, 25130), (102, 25235), (107, 25295), (118, 25424), (125, 25499), (139, 25592), (182, 25874), (188, 25955), (190, 25970),

Gene: Odette_47 Start: 40090, Stop: 41508, Start Num: 22
Candidate Starts for Odette_47:
(Start: 22 @40090 has 91 MA's), (30, 40144), (35, 40216), (38, 40237), (48, 40318), (55, 40375), (58, 40426), (59, 40438), (60, 40447), (64, 40498), (75, 40630), (79, 40681), (83, 40756), (90, 40813), (95, 40846), (96, 40849), (111, 41041), (117, 41128), (122, 41191), (125, 41215), (126, 41224), (148, 41374), (157, 41407), (158, 41410),

Gene: OkiRoe_29 Start: 25416, Stop: 27050, Start Num: 22
Candidate Starts for OkiRoe_29:
(Start: 22 @25416 has 91 MA's), (Start: 24 @25422 has 1 MA's), (Start: 25 @25437 has 1 MA's), (35, 25542), (39, 25566), (42, 25581), (47, 25629), (55, 25701), (56, 25704), (58, 25752), (60, 25773), (69, 25902), (72, 25923), (73, 25935), (74, 25950), (77, 25989), (86, 26097), (88, 26106), (93, 26175), (94, 26181), (95, 26184), (106, 26325), (107, 26349), (112, 26397), (118, 26478), (125, 26562), (128, 26595), (129, 26598), (146, 26718), (151, 26745), (152, 26751), (162, 26787), (166, 26805), (167, 26823), (171, 26856), (177, 26916), (186, 27006), (188, 27024), (190, 27039),

Gene: Omega_50 Start: 41222, Stop: 42643, Start Num: 22
Candidate Starts for Omega_50:
(Start: 22 @41222 has 91 MA's), (38, 41369), (48, 41450), (58, 41558), (59, 41570), (60, 41579), (62, 41612), (64, 41630), (75, 41762), (79, 41813), (95, 41978), (99, 42026), (111, 42173), (117, 42260), (125, 42347), (126, 42356), (148, 42506), (157, 42539), (158, 42542),

Gene: OmniCritical_31 Start: 25928, Stop: 27538, Start Num: 22
Candidate Starts for OmniCritical_31:
(Start: 22 @25928 has 91 MA's), (Start: 31 @25997 has 3 MA's), (35, 26054), (36, 26066), (38, 26075), (39, 26078), (42, 26093), (49, 26147), (54, 26180), (55, 26213), (58, 26264), (60, 26285), (62, 26318), (73, 26447), (77, 26492), (88, 26609), (92, 26657), (93, 26678), (94, 26684), (95, 26687), (112, 26900), (118, 26981), (119, 26999), (125, 27062), (126, 27071), (139, 27134), (172, 27350), (178, 27410),

Gene: Omnicron_30 Start: 24325, Stop: 25953, Start Num: 22
Candidate Starts for Omnicron_30:

(Start: 22 @24325 has 91 MA's), (Start: 25 @24346 has 1 MA's), (33, 24409), (35, 24451), (56, 24613), (58, 24661), (60, 24682), (65, 24772), (69, 24811), (73, 24844), (74, 24859), (75, 24865), (77, 24898), (80, 24946), (86, 25006), (88, 25015), (94, 25090), (95, 25093), (102, 25198), (109, 25267), (112, 25306), (118, 25387), (125, 25468), (128, 25501), (129, 25504), (146, 25624), (151, 25651), (152, 25657), (162, 25693), (166, 25711), (167, 25729), (181, 25843), (188, 25927), (189, 25930), (190, 25942),

Gene: Optimus_52 Start: 41748, Stop: 43181, Start Num: 23
Candidate Starts for Optimus_52:
(16, 41715), (Start: 18 @41739 has 2 MA's), (Start: 23 @41748 has 17 MA's), (43, 41913), (44, 41934), (46, 41964), (52, 42006), (53, 42009), (60, 42117), (75, 42303), (79, 42354), (90, 42486), (95, 42519), (96, 42522), (111, 42714), (117, 42801), (122, 42864), (125, 42888), (126, 42897), (148, 43047), (157, 43080), (158, 43083),

Gene: OrionPax_33 Start: 29386, Stop: 30888, Start Num: 21
Candidate Starts for OrionPax_33:
(Start: 21 @29386 has 130 MA's), (Start: 31 @29455 has 3 MA's), (38, 29533), (50, 29629), (52, 29650), (54, 29656), (58, 29740), (60, 29761), (63, 29812), (67, 29866), (74, 29941), (84, 30076), (88, 30088), (93, 30157), (95, 30166), (102, 30271), (109, 30340), (118, 30466), (125, 30547), (141, 30643), (146, 30670), (151, 30697), (152, 30703), (158, 30721), (166, 30757),

Gene: Oscar_29 Start: 24040, Stop: 25698, Start Num: 19
Candidate Starts for Oscar_29:
(Start: 19 @24040 has 16 MA's), (36, 24175), (38, 24184), (39, 24187), (42, 24202), (50, 24280), (58, 24391), (60, 24412), (62, 24445), (66, 24511), (73, 24574), (74, 24589), (77, 24628), (88, 24745), (93, 24814), (95, 24823), (102, 24928), (107, 24988), (112, 25036), (118, 25117), (125, 25195), (128, 25228), (150, 25375), (152, 25384), (167, 25456), (174, 25522), (185, 25645), (188, 25672),

Gene: PaddyBaddy_33 Start: 29465, Stop: 30898, Start Num: 31
Candidate Starts for PaddyBaddy_33:
(Start: 21 @29396 has 130 MA's), (Start: 31 @29465 has 3 MA's), (38, 29543), (50, 29639), (52, 29660), (54, 29666), (58, 29750), (60, 29771), (63, 29822), (67, 29876), (74, 29951), (84, 30086), (88, 30098), (93, 30167), (95, 30176), (102, 30281), (109, 30350), (118, 30476), (125, 30557), (141, 30653), (146, 30680), (151, 30707), (152, 30713), (158, 30731), (166, 30767),

Gene: Palpatine_32 Start: 29655, Stop: 31157, Start Num: 21
Candidate Starts for Palpatine_32:
(Start: 21 @29655 has 130 MA's), (Start: 31 @29724 has 3 MA's), (38, 29802), (50, 29898), (52, 29919), (54, 29925), (58, 30009), (60, 30030), (63, 30081), (67, 30135), (74, 30210), (84, 30345), (88, 30357), (93, 30426), (95, 30435), (102, 30540), (109, 30609), (118, 30735), (125, 30816), (141, 30912), (146, 30939), (151, 30966), (152, 30972), (158, 30990), (166, 31026),

Gene: Paola_29 Start: 25415, Stop: 27049, Start Num: 22
Candidate Starts for Paola_29:
(Start: 22 @25415 has 91 MA's), (Start: 24 @25421 has 1 MA's), (Start: 25 @25436 has 1 MA's), (35, 25541), (39, 25565), (42, 25580), (47, 25628), (55, 25700), (56, 25703), (58, 25751), (60, 25772), (69, 25901), (72, 25922), (73, 25934), (74, 25949), (77, 25988), (86, 26096), (88, 26105), (93, 26174), (94, 26180), (95, 26183), (102, 26288), (106, 26324), (107, 26348), (112, 26396), (118, 26477), (125, 26561), (128, 26594), (129, 26597), (141, 26690), (146, 26717), (151, 26744), (152, 26750), (162, 26786), (166, 26804), (167, 26822), (171, 26855), (180, 26930), (181, 26939), (186, 27005), (188, 27023),

Gene: Paperbeatsrock_34 Start: 30621, Stop: 32123, Start Num: 21

Candidate Starts for Paperbeatsrock_34:
(Start: 21 @30621 has 130 MA's), (Start: 31 @30690 has 3 MA's), (38, 30768), (50, 30864), (52, 30885), (54, 30891), (58, 30975), (60, 30996), (63, 31047), (67, 31101), (74, 31176), (84, 31311), (88, 31323), (93, 31392), (95, 31401), (102, 31506), (109, 31575), (118, 31701), (125, 31782), (141, 31878), (146, 31905), (151, 31932), (152, 31938), (158, 31956), (166, 31992),

Gene: Pat3_31 Start: 28367, Stop: 29869, Start Num: 21
Candidate Starts for Pat3_31:
(Start: 21 @28367 has 130 MA's), (Start: 31 @28436 has 3 MA's), (38, 28514), (50, 28610), (52, 28631), (54, 28637), (58, 28721), (60, 28742), (63, 28793), (67, 28847), (74, 28922), (84, 29057), (88, 29069), (93, 29138), (95, 29147), (102, 29252), (109, 29321), (118, 29447), (125, 29528), (151, 29678), (152, 29684), (158, 29702), (166, 29738),

Gene: Patt_31 Start: 25762, Stop: 27372, Start Num: 22
Candidate Starts for Patt_31:
(Start: 22 @25762 has 91 MA's), (Start: 31 @25831 has 3 MA's), (35, 25888), (36, 25900), (38, 25909), (39, 25912), (42, 25927), (49, 25981), (58, 26098), (60, 26119), (73, 26281), (77, 26326), (88, 26443), (89, 26470), (93, 26512), (95, 26521), (102, 26626), (112, 26734), (118, 26815), (125, 26896), (126, 26905), (139, 26968), (172, 27184),

Gene: Petra64142_34 Start: 30101, Stop: 31603, Start Num: 21
Candidate Starts for Petra64142_34:
(Start: 21 @30101 has 130 MA's), (Start: 31 @30170 has 3 MA's), (38, 30248), (50, 30344), (52, 30365), (54, 30371), (58, 30455), (60, 30476), (63, 30527), (67, 30581), (74, 30656), (84, 30791), (88, 30803), (93, 30872), (95, 30881), (102, 30986), (109, 31055), (118, 31181), (125, 31262), (141, 31358), (146, 31385), (151, 31412), (152, 31418), (158, 31436), (166, 31472),

Gene: Phaja_32 Start: 29817, Stop: 31319, Start Num: 21
Candidate Starts for Phaja_32:
(Start: 21 @29817 has 130 MA's), (Start: 31 @29886 has 3 MA's), (38, 29964), (50, 30060), (52, 30081), (54, 30087), (58, 30171), (60, 30192), (63, 30243), (67, 30297), (74, 30372), (84, 30507), (88, 30519), (93, 30588), (95, 30597), (102, 30702), (109, 30771), (118, 30897), (125, 30978), (146, 31101), (151, 31128), (152, 31134), (158, 31152), (166, 31188),

Gene: Pharb_29 Start: 25069, Stop: 26709, Start Num: 23
Candidate Starts for Pharb_29:
(Start: 23 @25069 has 17 MA's), (27, 25105), (32, 25147), (36, 25204), (38, 25213), (40, 25219), (58, 25402), (59, 25414), (60, 25423), (71, 25558), (74, 25603), (77, 25642), (83, 25741), (86, 25750), (88, 25759), (93, 25828), (94, 25834), (95, 25837), (102, 25942), (109, 26011), (114, 26095), (118, 26131), (125, 26206), (138, 26299), (161, 26425), (168, 26470), (186, 26668),

Gene: Pharsalus_33 Start: 30421, Stop: 31923, Start Num: 21
Candidate Starts for Pharsalus_33:
(Start: 21 @30421 has 130 MA's), (Start: 31 @30490 has 3 MA's), (38, 30568), (50, 30664), (52, 30685), (54, 30691), (58, 30775), (60, 30796), (63, 30847), (67, 30901), (74, 30976), (84, 31111), (88, 31123), (93, 31192), (95, 31201), (102, 31306), (109, 31375), (118, 31501), (125, 31582), (141, 31678), (146, 31705), (151, 31732), (152, 31738), (158, 31756), (166, 31792),

Gene: PhatBacter_32 Start: 29669, Stop: 31171, Start Num: 21
Candidate Starts for PhatBacter_32:
(Start: 21 @29669 has 130 MA's), (Start: 31 @29738 has 3 MA's), (38, 29816), (50, 29912), (52, 29933), (54, 29939), (58, 30023), (60, 30044), (63, 30095), (67, 30149), (74, 30224), (84, 30359), (88, 30371), (93, 30440), (95, 30449), (102, 30554), (109, 30623), (118, 30749), (125, 30830), (141,

30926), (146, 30953), (151, 30980), (152, 30986), (158, 31004), (166, 31040),

Gene: Phaux_31 Start: 29667, Stop: 31169, Start Num: 21
Candidate Starts for Phaux_31:
(Start: 21 @29667 has 130 MA's), (Start: 31 @29736 has 3 MA's), (38, 29814), (50, 29910), (52, 29931), (54, 29937), (58, 30021), (60, 30042), (63, 30093), (67, 30147), (74, 30222), (84, 30357), (88, 30369), (93, 30438), (95, 30447), (102, 30552), (109, 30621), (118, 30747), (125, 30828), (141, 30924), (146, 30951), (151, 30978), (152, 30984), (158, 31002), (166, 31038),

Gene: PhelpsODU_30 Start: 24247, Stop: 25893, Start Num: 22
Candidate Starts for PhelpsODU_30:
(Start: 22 @24247 has 91 MA's), (Start: 31 @24316 has 3 MA's), (32, 24328), (36, 24385), (38, 24394), (58, 24583), (60, 24604), (68, 24727), (74, 24781), (77, 24820), (93, 25006), (95, 25015), (102, 25120), (110, 25192), (112, 25228), (118, 25309), (125, 25387), (128, 25420), (131, 25432), (137, 25465), (140, 25492), (150, 25570), (161, 25615), (176, 25744), (181, 25783), (184, 25813),

Gene: Phoebus_46 Start: 41067, Stop: 42485, Start Num: 22
Candidate Starts for Phoebus_46:
(Start: 22 @41067 has 91 MA's), (30, 41121), (35, 41193), (38, 41214), (48, 41295), (55, 41352), (58, 41403), (59, 41415), (60, 41424), (64, 41475), (75, 41607), (79, 41658), (90, 41790), (95, 41823), (96, 41826), (111, 42018), (117, 42105), (122, 42168), (125, 42192), (126, 42201), (148, 42351), (157, 42384), (158, 42387),

Gene: Phrank_30 Start: 24197, Stop: 25843, Start Num: 22
Candidate Starts for Phrank_30:
(Start: 22 @24197 has 91 MA's), (30, 24251), (32, 24278), (36, 24335), (38, 24344), (58, 24533), (60, 24554), (68, 24677), (74, 24731), (77, 24770), (93, 24956), (95, 24965), (102, 25070), (110, 25142), (112, 25178), (118, 25259), (125, 25337), (128, 25370), (131, 25382), (137, 25415), (140, 25442), (150, 25520), (161, 25565), (176, 25694), (181, 25733), (184, 25763), (188, 25817),

Gene: Phrux_32 Start: 29382, Stop: 30884, Start Num: 21
Candidate Starts for Phrux_32:
(Start: 21 @29382 has 130 MA's), (Start: 31 @29451 has 3 MA's), (38, 29529), (50, 29625), (52, 29646), (54, 29652), (58, 29736), (60, 29757), (63, 29808), (67, 29862), (74, 29937), (84, 30072), (88, 30084), (93, 30153), (95, 30162), (102, 30267), (109, 30336), (118, 30462), (125, 30543), (141, 30639), (146, 30666), (151, 30693), (152, 30699), (158, 30717), (166, 30753),

Gene: Pixie_30 Start: 25256, Stop: 26941, Start Num: 23
Candidate Starts for Pixie_30:
(Start: 23 @25256 has 17 MA's), (32, 25334), (37, 25394), (38, 25400), (40, 25406), (52, 25499), (58, 25589), (59, 25601), (60, 25610), (74, 25790), (77, 25829), (88, 25946), (92, 25994), (93, 26015), (94, 26021), (95, 26024), (102, 26129), (109, 26198), (114, 26282), (118, 26318), (125, 26396), (128, 26429), (140, 26501), (154, 26594), (161, 26624), (175, 26741),

Gene: Policronamos_32 Start: 29667, Stop: 31169, Start Num: 21
Candidate Starts for Policronamos_32:
(Start: 21 @29667 has 130 MA's), (Start: 31 @29736 has 3 MA's), (38, 29814), (50, 29910), (52, 29931), (54, 29937), (58, 30021), (60, 30042), (63, 30093), (67, 30147), (74, 30222), (84, 30357), (88, 30369), (93, 30438), (95, 30447), (102, 30552), (109, 30621), (118, 30747), (125, 30828), (141, 30924), (146, 30951), (151, 30978), (152, 30984), (158, 31002), (166, 31038),

Gene: Porky_32 Start: 29478, Stop: 30980, Start Num: 21
Candidate Starts for Porky_32:

(Start: 21 @29478 has 130 MA's), (Start: 31 @29547 has 3 MA's), (38, 29625), (50, 29721), (52, 29742), (54, 29748), (58, 29832), (60, 29853), (63, 29904), (67, 29958), (74, 30033), (84, 30168), (88, 30180), (93, 30249), (95, 30258), (102, 30363), (109, 30432), (118, 30558), (125, 30639), (141, 30735), (146, 30762), (151, 30789), (152, 30795), (158, 30813), (166, 30849),

Gene: Pound_48 Start: 42088, Stop: 43506, Start Num: 22
Candidate Starts for Pound_48:
(Start: 22 @42088 has 91 MA's), (30, 42142), (35, 42214), (38, 42235), (48, 42316), (55, 42373), (58, 42424), (59, 42436), (60, 42445), (64, 42496), (75, 42628), (79, 42679), (83, 42754), (90, 42811), (95, 42844), (96, 42847), (111, 43039), (117, 43126), (122, 43189), (125, 43213), (126, 43222), (145, 43351), (151, 43384), (157, 43405), (158, 43408),

Gene: Psycho_30 Start: 25525, Stop: 27159, Start Num: 22
Candidate Starts for Psycho_30:
(Start: 22 @25525 has 91 MA's), (Start: 24 @25531 has 1 MA's), (Start: 25 @25546 has 1 MA's), (33, 25609), (35, 25651), (39, 25675), (42, 25690), (47, 25738), (55, 25810), (56, 25813), (58, 25861), (60, 25882), (72, 26032), (73, 26044), (77, 26098), (86, 26206), (88, 26215), (93, 26284), (94, 26290), (95, 26293), (101, 26380), (106, 26434), (107, 26458), (112, 26506), (118, 26587), (125, 26671), (128, 26704), (129, 26707), (151, 26854), (152, 26860), (162, 26896), (166, 26914), (181, 27049), (186, 27115), (190, 27148),

Gene: Ptowny_33 Start: 29023, Stop: 30525, Start Num: 21
Candidate Starts for Ptowny_33:
(Start: 21 @29023 has 130 MA's), (Start: 31 @29092 has 3 MA's), (38, 29170), (50, 29266), (52, 29287), (54, 29293), (58, 29377), (60, 29398), (63, 29449), (67, 29503), (74, 29578), (84, 29713), (88, 29725), (93, 29794), (95, 29803), (102, 29908), (109, 29977), (118, 30103), (125, 30184), (146, 30307), (151, 30334), (152, 30340), (158, 30358), (166, 30394),

Gene: Pumpkin_34 Start: 29718, Stop: 31220, Start Num: 21
Candidate Starts for Pumpkin_34:
(Start: 21 @29718 has 130 MA's), (Start: 31 @29787 has 3 MA's), (38, 29865), (50, 29961), (52, 29982), (54, 29988), (58, 30072), (60, 30093), (63, 30144), (67, 30198), (74, 30273), (84, 30408), (88, 30420), (93, 30489), (95, 30498), (102, 30603), (109, 30672), (118, 30798), (125, 30879), (141, 30975), (146, 31002), (151, 31029), (152, 31035), (158, 31053), (166, 31089),

Gene: Qhanda_32 Start: 26039, Stop: 27649, Start Num: 22
Candidate Starts for Qhanda_32:
(Start: 22 @26039 has 91 MA's), (Start: 31 @26108 has 3 MA's), (35, 26165), (36, 26177), (38, 26186), (39, 26189), (42, 26204), (54, 26291), (55, 26324), (58, 26375), (60, 26396), (73, 26558), (77, 26603), (88, 26720), (92, 26768), (93, 26789), (94, 26795), (95, 26798), (112, 27011), (118, 27092), (119, 27110), (125, 27173), (126, 27182), (139, 27245), (172, 27461), (178, 27521),

Gene: Quallification_33 Start: 29847, Stop: 31349, Start Num: 21
Candidate Starts for Quallification_33:
(2, 29622), (Start: 21 @29847 has 130 MA's), (Start: 31 @29916 has 3 MA's), (38, 29994), (50, 30090), (52, 30111), (54, 30117), (58, 30201), (60, 30222), (63, 30273), (67, 30327), (74, 30402), (84, 30537), (88, 30549), (93, 30618), (95, 30627), (102, 30732), (109, 30801), (118, 30927), (125, 31008), (141, 31104), (146, 31131), (151, 31158), (152, 31164), (158, 31182), (166, 31218),

Gene: Rakim_33 Start: 29747, Stop: 31249, Start Num: 21
Candidate Starts for Rakim_33:
(Start: 21 @29747 has 130 MA's), (Start: 31 @29816 has 3 MA's), (38, 29894), (50, 29990), (52, 30011), (54, 30017), (58, 30101), (60, 30122), (63, 30173), (67, 30227), (74, 30302), (84, 30437), (88,

30449), (93, 30518), (95, 30527), (102, 30632), (109, 30701), (118, 30827), (125, 30908), (146, 31031), (151, 31058), (152, 31064), (158, 31082), (166, 31118),

Gene: Redno2_45 Start: 37822, Stop: 39240, Start Num: 22
Candidate Starts for Redno2_45:
(Start: 22 @37822 has 91 MA's), (30, 37876), (35, 37948), (38, 37969), (48, 38050), (55, 38107), (58, 38158), (59, 38170), (60, 38179), (64, 38230), (75, 38362), (79, 38413), (90, 38545), (95, 38578), (96, 38581), (99, 38626), (111, 38773), (117, 38860), (122, 38923), (125, 38947), (126, 38956), (148, 39106), (157, 39139), (158, 39142),

Gene: Reptar3000_31 Start: 25755, Stop: 27365, Start Num: 22
Candidate Starts for Reptar3000_31:
(Start: 22 @25755 has 91 MA's), (Start: 31 @25824 has 3 MA's), (35, 25881), (36, 25893), (38, 25902), (39, 25905), (42, 25920), (49, 25974), (54, 26007), (56, 26043), (58, 26091), (60, 26112), (62, 26145), (72, 26262), (73, 26274), (77, 26319), (88, 26436), (92, 26484), (93, 26505), (95, 26514), (102, 26619), (107, 26679), (109, 26688), (110, 26691), (118, 26808), (125, 26889), (126, 26898), (139, 26961), (172, 27177), (178, 27237),

Gene: Rimmer_31 Start: 29207, Stop: 30709, Start Num: 21
Candidate Starts for Rimmer_31:
(Start: 21 @29207 has 130 MA's), (Start: 31 @29276 has 3 MA's), (38, 29354), (50, 29450), (52, 29471), (54, 29477), (58, 29561), (60, 29582), (63, 29633), (67, 29687), (74, 29762), (84, 29897), (88, 29909), (93, 29978), (95, 29987), (102, 30092), (109, 30161), (118, 30287), (125, 30368), (141, 30464), (146, 30491), (151, 30518), (152, 30524), (158, 30542), (166, 30578),

Gene: RiverMonster_32 Start: 29396, Stop: 30898, Start Num: 21
Candidate Starts for RiverMonster_32:
(Start: 21 @29396 has 130 MA's), (Start: 31 @29465 has 3 MA's), (38, 29543), (50, 29639), (52, 29660), (54, 29666), (58, 29750), (60, 29771), (63, 29822), (67, 29876), (74, 29951), (84, 30086), (88, 30098), (93, 30167), (95, 30176), (102, 30281), (109, 30350), (118, 30476), (125, 30557), (146, 30680), (151, 30707), (152, 30713), (158, 30731), (166, 30767),

Gene: RonRayGun_27 Start: 23579, Stop: 25162, Start Num: 22
Candidate Starts for RonRayGun_27:
(Start: 22 @23579 has 91 MA's), (32, 23660), (34, 23678), (39, 23729), (41, 23741), (42, 23744), (58, 23915), (61, 23942), (73, 24104), (75, 24125), (77, 24149), (81, 24215), (86, 24257), (91, 24311), (95, 24353), (101, 24437), (104, 24473), (106, 24491), (118, 24641), (125, 24728), (143, 24839), (159, 24920), (180, 25121),

Gene: Ruthiejr_32 Start: 25909, Stop: 27519, Start Num: 22
Candidate Starts for Ruthiejr_32:
(Start: 22 @25909 has 91 MA's), (Start: 31 @25978 has 3 MA's), (35, 26035), (36, 26047), (38, 26056), (39, 26059), (42, 26074), (54, 26161), (55, 26194), (58, 26245), (60, 26266), (62, 26299), (73, 26428), (77, 26473), (88, 26590), (92, 26638), (93, 26659), (94, 26665), (95, 26668), (112, 26881), (118, 26962), (119, 26980), (125, 27043), (126, 27052), (139, 27115), (172, 27331), (178, 27391),

Gene: Saints25_33 Start: 29299, Stop: 30801, Start Num: 21
Candidate Starts for Saints25_33:
(Start: 21 @29299 has 130 MA's), (Start: 31 @29368 has 3 MA's), (38, 29446), (50, 29542), (52, 29563), (54, 29569), (58, 29653), (60, 29674), (63, 29725), (67, 29779), (74, 29854), (84, 29989), (88, 30001), (93, 30070), (95, 30079), (102, 30184), (109, 30253), (118, 30379), (125, 30460), (141, 30556), (146, 30583), (151, 30610), (152, 30616), (158, 30634), (166, 30670),

Gene: SamScheppers_31 Start: 26422, Stop: 28032, Start Num: 22
Candidate Starts for SamScheppers_31:
(Start: 22 @26422 has 91 MA's), (Start: 31 @26491 has 3 MA's), (35, 26548), (36, 26560), (38, 26569), (39, 26572), (42, 26587), (54, 26674), (55, 26707), (58, 26758), (60, 26779), (62, 26812), (73, 26941), (77, 26986), (88, 27103), (92, 27151), (93, 27172), (94, 27178), (95, 27181), (112, 27394), (118, 27475), (119, 27493), (125, 27556), (126, 27565), (139, 27628), (172, 27844), (178, 27904),

Gene: Sassay_31 Start: 29145, Stop: 30647, Start Num: 21
Candidate Starts for Sassay_31:
(Start: 21 @29145 has 130 MA's), (Start: 31 @29214 has 3 MA's), (38, 29292), (50, 29388), (52, 29409), (54, 29415), (58, 29499), (60, 29520), (63, 29571), (67, 29625), (74, 29700), (84, 29835), (88, 29847), (93, 29916), (95, 29925), (102, 30030), (109, 30099), (118, 30225), (125, 30306), (151, 30456), (152, 30462), (158, 30480), (166, 30516),

Gene: Scarlett_29 Start: 24041, Stop: 25699, Start Num: 19
Candidate Starts for Scarlett_29:
(Start: 19 @24041 has 16 MA's), (36, 24176), (38, 24185), (39, 24188), (42, 24203), (50, 24281), (58, 24392), (60, 24413), (62, 24446), (66, 24512), (73, 24575), (74, 24590), (77, 24629), (88, 24746), (93, 24815), (95, 24824), (102, 24929), (107, 24989), (112, 25037), (118, 25118), (125, 25196), (128, 25229), (150, 25376), (152, 25385), (167, 25457), (174, 25523), (188, 25673),

Gene: Schatzie_44 Start: 39838, Stop: 41256, Start Num: 22
Candidate Starts for Schatzie_44:
(Start: 22 @39838 has 91 MA's), (30, 39892), (35, 39964), (38, 39985), (48, 40066), (55, 40123), (58, 40174), (59, 40186), (60, 40195), (64, 40246), (75, 40378), (79, 40429), (83, 40504), (90, 40561), (95, 40594), (96, 40597), (111, 40789), (117, 40876), (122, 40939), (125, 40963), (126, 40972), (148, 41122), (157, 41155), (158, 41158),

Gene: SgtBeansprout_26 Start: 24344, Stop: 25981, Start Num: 19
Candidate Starts for SgtBeansprout_26:
(Start: 19 @24344 has 16 MA's), (28, 24386), (32, 24425), (36, 24482), (38, 24491), (45, 24563), (51, 24590), (58, 24698), (60, 24719), (62, 24752), (74, 24896), (77, 24935), (88, 25052), (90, 25091), (92, 25100), (93, 25121), (94, 25127), (95, 25130), (102, 25235), (107, 25295), (118, 25424), (125, 25499), (139, 25592), (182, 25874), (188, 25955), (190, 25970),

Gene: Shaboozey_38 Start: 33959, Stop: 35380, Start Num: 22
Candidate Starts for Shaboozey_38:
(Start: 22 @33959 has 91 MA's), (38, 34106), (48, 34187), (58, 34295), (59, 34307), (60, 34316), (62, 34349), (64, 34367), (75, 34499), (79, 34550), (95, 34715), (99, 34763), (111, 34910), (117, 34997), (122, 35060), (125, 35084), (126, 35093), (148, 35243), (157, 35276), (158, 35279),

Gene: Shadow1_29 Start: 24070, Stop: 25716, Start Num: 22
Candidate Starts for Shadow1_29:
(Start: 22 @24070 has 91 MA's), (Start: 31 @24139 has 3 MA's), (32, 24151), (36, 24208), (38, 24217), (58, 24406), (60, 24427), (68, 24550), (72, 24577), (73, 24589), (74, 24604), (77, 24643), (93, 24829), (95, 24838), (102, 24943), (107, 25003), (112, 25051), (118, 25132), (125, 25210), (128, 25243), (131, 25255), (137, 25288), (140, 25315), (150, 25393), (161, 25438), (176, 25567), (181, 25606), (183, 25615), (184, 25636),

Gene: ShamWow_32 Start: 29641, Stop: 31143, Start Num: 21
Candidate Starts for ShamWow_32:
(Start: 21 @29641 has 130 MA's), (Start: 31 @29710 has 3 MA's), (38, 29788), (50, 29884), (52, 29905), (54, 29911), (58, 29995), (60, 30016), (63, 30067), (67, 30121), (74, 30196), (84, 30331), (88,

30343), (93, 30412), (95, 30421), (102, 30526), (109, 30595), (118, 30721), (125, 30802), (151, 30952), (158, 30976), (166, 31012),

Gene: ShedlockHolmes_31 Start: 25778, Stop: 27463, Start Num: 23
Candidate Starts for ShedlockHolmes_31:
(Start: 23 @25778 has 17 MA's), (32, 25856), (36, 25913), (38, 25922), (52, 26021), (58, 26111), (59, 26123), (60, 26132), (74, 26312), (77, 26351), (88, 26468), (92, 26516), (93, 26537), (94, 26543), (95, 26546), (102, 26651), (109, 26720), (114, 26804), (118, 26840), (125, 26918), (128, 26951), (140, 27023), (154, 27116), (161, 27146), (175, 27263), (180, 27347),

Gene: ShereKhan_34 Start: 30624, Stop: 32126, Start Num: 21
Candidate Starts for ShereKhan_34:
(Start: 21 @30624 has 130 MA's), (Start: 31 @30693 has 3 MA's), (38, 30771), (50, 30867), (52, 30888), (54, 30894), (58, 30978), (60, 30999), (63, 31050), (67, 31104), (74, 31179), (84, 31314), (88, 31326), (93, 31395), (95, 31404), (102, 31509), (109, 31578), (118, 31704), (125, 31785), (146, 31908), (151, 31935), (152, 31941), (158, 31959), (166, 31995),

Gene: Simpliphy_33 Start: 29386, Stop: 30888, Start Num: 21
Candidate Starts for Simpliphy_33:
(Start: 21 @29386 has 130 MA's), (Start: 31 @29455 has 3 MA's), (38, 29533), (50, 29629), (52, 29650), (54, 29656), (58, 29740), (60, 29761), (63, 29812), (67, 29866), (74, 29941), (84, 30076), (88, 30088), (93, 30157), (95, 30166), (102, 30271), (109, 30340), (118, 30466), (125, 30547), (146, 30670), (151, 30697), (152, 30703), (158, 30721), (166, 30757),

Gene: SirDuracell_31 Start: 28306, Stop: 29808, Start Num: 21
Candidate Starts for SirDuracell_31:
(Start: 21 @28306 has 130 MA's), (Start: 31 @28375 has 3 MA's), (38, 28453), (50, 28549), (52, 28570), (54, 28576), (58, 28660), (60, 28681), (63, 28732), (67, 28786), (74, 28861), (84, 28996), (88, 29008), (93, 29077), (95, 29086), (102, 29191), (109, 29260), (118, 29386), (125, 29467), (151, 29617), (152, 29623), (158, 29641), (166, 29677),

Gene: SirPhilip_29 Start: 23735, Stop: 25366, Start Num: 20
Candidate Starts for SirPhilip_29:
(1, 23474), (Start: 20 @23735 has 1 MA's), (Start: 23 @23741 has 17 MA's), (28, 23780), (32, 23819), (35, 23864), (36, 23876), (38, 23885), (47, 23951), (58, 24074), (60, 24095), (62, 24131), (73, 24260), (77, 24314), (83, 24413), (88, 24431), (93, 24500), (95, 24509), (102, 24614), (107, 24674), (112, 24722), (118, 24803), (125, 24881), (128, 24914), (150, 25061), (151, 25064), (167, 25142),

Gene: Slarp_31 Start: 26030, Stop: 27640, Start Num: 22
Candidate Starts for Slarp_31:
(Start: 22 @26030 has 91 MA's), (Start: 31 @26099 has 3 MA's), (35, 26156), (36, 26168), (38, 26177), (39, 26180), (42, 26195), (54, 26282), (55, 26315), (58, 26366), (60, 26387), (73, 26549), (77, 26594), (88, 26711), (92, 26759), (93, 26780), (94, 26786), (95, 26789), (112, 27002), (118, 27083), (119, 27101), (125, 27164), (126, 27173), (139, 27236), (172, 27452), (178, 27512),

Gene: SoSeph_29 Start: 25564, Stop: 27198, Start Num: 22
Candidate Starts for SoSeph_29:
(Start: 22 @25564 has 91 MA's), (Start: 24 @25570 has 1 MA's), (Start: 25 @25585 has 1 MA's), (35, 25690), (39, 25714), (47, 25777), (55, 25849), (56, 25852), (58, 25900), (60, 25921), (69, 26050), (72, 26071), (73, 26083), (74, 26098), (77, 26137), (82, 26230), (86, 26245), (88, 26254), (93, 26323), (94, 26329), (95, 26332), (107, 26497), (112, 26545), (118, 26626), (125, 26710), (128, 26743), (129, 26746), (146, 26866), (151, 26893), (152, 26899), (162, 26935), (166, 26953), (167, 26971), (177, 27064), (180, 27079), (181, 27088), (186, 27154),

Gene: SophKB_32 Start: 29640, Stop: 31142, Start Num: 21
Candidate Starts for SophKB_32:
(Start: 21 @29640 has 130 MA's), (Start: 31 @29709 has 3 MA's), (38, 29787), (50, 29883), (52, 29904), (54, 29910), (58, 29994), (60, 30015), (63, 30066), (67, 30120), (74, 30195), (84, 30330), (88, 30342), (93, 30411), (95, 30420), (102, 30525), (109, 30594), (118, 30720), (125, 30801), (141, 30897), (146, 30924), (151, 30951), (152, 30957), (158, 30975), (166, 31011),

Gene: Sotrice96_32 Start: 29595, Stop: 31097, Start Num: 21
Candidate Starts for Sotrice96_32:
(Start: 21 @29595 has 130 MA's), (Start: 31 @29664 has 3 MA's), (38, 29742), (50, 29838), (52, 29859), (54, 29865), (58, 29949), (60, 29970), (63, 30021), (73, 30135), (84, 30285), (88, 30297), (93, 30366), (95, 30375), (102, 30480), (109, 30549), (118, 30675), (125, 30756), (151, 30906), (152, 30912), (158, 30930), (166, 30966),

Gene: Stank_35 Start: 30147, Stop: 31649, Start Num: 21
Candidate Starts for Stank_35:
(Start: 21 @30147 has 130 MA's), (Start: 31 @30216 has 3 MA's), (38, 30294), (50, 30390), (52, 30411), (54, 30417), (58, 30501), (60, 30522), (63, 30573), (67, 30627), (74, 30702), (84, 30837), (88, 30849), (93, 30918), (95, 30927), (102, 31032), (109, 31101), (118, 31227), (125, 31308), (141, 31404), (146, 31431), (151, 31458), (152, 31464), (158, 31482), (166, 31518),

Gene: Stark_33 Start: 29399, Stop: 30901, Start Num: 21
Candidate Starts for Stark_33:
(Start: 21 @29399 has 130 MA's), (Start: 31 @29468 has 3 MA's), (38, 29546), (50, 29642), (52, 29663), (54, 29669), (58, 29753), (60, 29774), (63, 29825), (67, 29879), (74, 29954), (84, 30089), (88, 30101), (93, 30170), (95, 30179), (102, 30284), (109, 30353), (118, 30479), (125, 30560), (146, 30683), (151, 30710), (152, 30716), (158, 30734), (166, 30770),

Gene: StellaBean_32 Start: 29640, Stop: 31142, Start Num: 21
Candidate Starts for StellaBean_32:
(Start: 21 @29640 has 130 MA's), (Start: 31 @29709 has 3 MA's), (38, 29787), (50, 29883), (52, 29904), (54, 29910), (58, 29994), (60, 30015), (63, 30066), (67, 30120), (74, 30195), (84, 30330), (88, 30342), (93, 30411), (95, 30420), (102, 30525), (109, 30594), (118, 30720), (125, 30801), (141, 30897), (146, 30924), (151, 30951), (152, 30957), (158, 30975), (166, 31011),

Gene: StolenFromERC_34 Start: 29631, Stop: 31133, Start Num: 21
Candidate Starts for StolenFromERC_34:
(Start: 21 @29631 has 130 MA's), (Start: 31 @29700 has 3 MA's), (38, 29778), (50, 29874), (52, 29895), (54, 29901), (58, 29985), (60, 30006), (63, 30057), (67, 30111), (74, 30186), (84, 30321), (88, 30333), (93, 30402), (95, 30411), (102, 30516), (109, 30585), (118, 30711), (125, 30792), (141, 30888), (146, 30915), (151, 30942), (152, 30948), (158, 30966), (166, 31002),

Gene: StormChicken_32 Start: 29815, Stop: 31317, Start Num: 21
Candidate Starts for StormChicken_32:
(Start: 21 @29815 has 130 MA's), (Start: 31 @29884 has 3 MA's), (38, 29962), (50, 30058), (52, 30079), (54, 30085), (58, 30169), (60, 30190), (63, 30241), (67, 30295), (74, 30370), (84, 30505), (88, 30517), (93, 30586), (95, 30595), (102, 30700), (109, 30769), (118, 30895), (125, 30976), (141, 31072), (146, 31099), (151, 31126), (152, 31132), (158, 31150), (166, 31186),

Gene: Sunflower1121_29 Start: 24082, Stop: 25728, Start Num: 22
Candidate Starts for Sunflower1121_29:

(Start: 22 @24082 has 91 MA's), (Start: 31 @24151 has 3 MA's), (32, 24163), (36, 24220), (38, 24229), (58, 24418), (60, 24439), (68, 24562), (72, 24589), (73, 24601), (74, 24616), (77, 24655), (93, 24841), (95, 24850), (102, 24955), (107, 25015), (112, 25063), (118, 25144), (125, 25222), (128, 25255), (131, 25267), (137, 25300), (140, 25327), (150, 25405), (161, 25450), (176, 25579), (181, 25618), (183, 25627), (184, 25648),

Gene: Syra333_30 Start: 24095, Stop: 25738, Start Num: 22
Candidate Starts for Syra333_30:
(Start: 22 @24095 has 91 MA's), (Start: 31 @24164 has 3 MA's), (32, 24176), (36, 24233), (38, 24242), (58, 24431), (60, 24452), (68, 24575), (72, 24602), (74, 24629), (77, 24668), (84, 24773), (93, 24854), (95, 24863), (102, 24968), (107, 25028), (112, 25076), (118, 25157), (119, 25175), (125, 25235), (128, 25268), (131, 25280), (137, 25313), (140, 25340), (150, 25418), (161, 25463), (176, 25592), (181, 25628), (184, 25658), (188, 25712),

Gene: TBond007_30 Start: 25255, Stop: 26940, Start Num: 23
Candidate Starts for TBond007_30:
(Start: 23 @25255 has 17 MA's), (32, 25333), (38, 25399), (40, 25405), (52, 25498), (58, 25588), (59, 25600), (60, 25609), (74, 25789), (77, 25828), (88, 25945), (92, 25993), (93, 26014), (94, 26020), (95, 26023), (102, 26128), (109, 26197), (114, 26281), (118, 26317), (125, 26395), (128, 26428), (140, 26500), (154, 26593), (161, 26623), (175, 26740), (180, 26824),

Gene: TBrady12_34 Start: 29631, Stop: 31133, Start Num: 21
Candidate Starts for TBrady12_34:
(Start: 21 @29631 has 130 MA's), (Start: 31 @29700 has 3 MA's), (38, 29778), (50, 29874), (52, 29895), (54, 29901), (58, 29985), (60, 30006), (63, 30057), (67, 30111), (74, 30186), (84, 30321), (88, 30333), (93, 30402), (95, 30411), (102, 30516), (109, 30585), (118, 30711), (125, 30792), (141, 30888), (146, 30915), (151, 30942), (152, 30948), (158, 30966), (166, 31002),

Gene: TClif_31 Start: 24557, Stop: 26188, Start Num: 22
Candidate Starts for TClif_31:
(7, 24419), (8, 24428), (12, 24476), (Start: 22 @24557 has 91 MA's), (Start: 31 @24626 has 3 MA's), (32, 24638), (36, 24695), (38, 24704), (58, 24893), (60, 24914), (72, 25064), (77, 25130), (93, 25316), (95, 25325), (102, 25430), (107, 25490), (112, 25538), (114, 25589), (118, 25625), (125, 25700), (128, 25733), (146, 25835), (150, 25859), (155, 25877), (156, 25880), (181, 26078), (188, 26162),

Gene: Taquito_31 Start: 26469, Stop: 28079, Start Num: 22
Candidate Starts for Taquito_31:
(Start: 22 @26469 has 91 MA's), (Start: 31 @26538 has 3 MA's), (35, 26595), (36, 26607), (38, 26616), (39, 26619), (42, 26634), (54, 26721), (55, 26754), (58, 26805), (60, 26826), (73, 26988), (77, 27033), (88, 27150), (92, 27198), (93, 27219), (94, 27225), (95, 27228), (102, 27333), (112, 27441), (118, 27522), (119, 27540), (125, 27603), (126, 27612), (139, 27675), (172, 27891), (178, 27951),

Gene: Tarkin_34 Start: 30630, Stop: 32132, Start Num: 21
Candidate Starts for Tarkin_34:
(Start: 21 @30630 has 130 MA's), (Start: 31 @30699 has 3 MA's), (38, 30777), (50, 30873), (52, 30894), (54, 30900), (58, 30984), (60, 31005), (63, 31056), (67, 31110), (74, 31185), (84, 31320), (88, 31332), (93, 31401), (95, 31410), (102, 31515), (109, 31584), (118, 31710), (125, 31791), (141, 31887), (146, 31914), (151, 31941), (152, 31947), (158, 31965), (166, 32001),

Gene: TeamEdward_32 Start: 29812, Stop: 31314, Start Num: 21
Candidate Starts for TeamEdward_32:
(Start: 21 @29812 has 130 MA's), (Start: 31 @29881 has 3 MA's), (38, 29959), (50, 30055), (52, 30076), (54, 30082), (58, 30166), (60, 30187), (63, 30238), (67, 30292), (74, 30367), (84, 30502), (88,

30514), (93, 30583), (95, 30592), (102, 30697), (109, 30766), (118, 30892), (125, 30973), (141, 31069), (146, 31096), (151, 31123), (152, 31129), (158, 31147), (166, 31183),

Gene: TeardropMSU_31 Start: 29541, Stop: 31043, Start Num: 21
Candidate Starts for TeardropMSU_31:
(Start: 21 @29541 has 130 MA's), (Start: 31 @29610 has 3 MA's), (38, 29688), (50, 29784), (52, 29805), (54, 29811), (58, 29895), (60, 29916), (63, 29967), (67, 30021), (73, 30081), (84, 30231), (88, 30243), (93, 30312), (95, 30321), (102, 30426), (109, 30495), (118, 30621), (125, 30702), (151, 30852), (152, 30858), (158, 30876), (166, 30912),

Gene: Teaspoon_33 Start: 29594, Stop: 31096, Start Num: 21
Candidate Starts for Teaspoon_33:
(Start: 21 @29594 has 130 MA's), (Start: 31 @29663 has 3 MA's), (38, 29741), (50, 29837), (52, 29858), (54, 29864), (58, 29948), (60, 29969), (63, 30020), (67, 30074), (74, 30149), (84, 30284), (88, 30296), (93, 30365), (95, 30374), (102, 30479), (109, 30548), (118, 30674), (125, 30755), (146, 30878), (151, 30905), (152, 30911), (158, 30929), (166, 30965),

Gene: Teejan_26 Start: 24344, Stop: 25981, Start Num: 19
Candidate Starts for Teejan_26:
(Start: 19 @24344 has 16 MA's), (28, 24386), (32, 24425), (36, 24482), (38, 24491), (45, 24563), (51, 24590), (58, 24698), (60, 24719), (62, 24752), (74, 24896), (77, 24935), (88, 25052), (90, 25091), (92, 25100), (93, 25121), (94, 25127), (95, 25130), (102, 25235), (107, 25295), (118, 25424), (125, 25499), (139, 25592), (182, 25874), (188, 25955), (190, 25970),

Gene: Terminus_32 Start: 29728, Stop: 31230, Start Num: 21
Candidate Starts for Terminus_32:
(Start: 21 @29728 has 130 MA's), (Start: 31 @29797 has 3 MA's), (38, 29875), (50, 29971), (52, 29992), (54, 29998), (58, 30082), (60, 30103), (63, 30154), (67, 30208), (74, 30283), (84, 30418), (88, 30430), (93, 30499), (95, 30508), (102, 30613), (109, 30682), (118, 30808), (125, 30889), (146, 31012), (151, 31039), (152, 31045), (158, 31063), (166, 31099),

Gene: Thimble_32 Start: 28591, Stop: 30093, Start Num: 21
Candidate Starts for Thimble_32:
(Start: 21 @28591 has 130 MA's), (Start: 31 @28660 has 3 MA's), (38, 28738), (50, 28834), (52, 28855), (54, 28861), (58, 28945), (60, 28966), (63, 29017), (67, 29071), (74, 29146), (84, 29281), (88, 29293), (93, 29362), (95, 29371), (102, 29476), (109, 29545), (118, 29671), (125, 29752), (141, 29848), (146, 29875), (151, 29902), (152, 29908), (158, 29926), (166, 29962),

Gene: ThreeRngTarjay_45 Start: 40917, Stop: 42335, Start Num: 22
Candidate Starts for ThreeRngTarjay_45:
(Start: 22 @40917 has 91 MA's), (30, 40971), (35, 41043), (38, 41064), (48, 41145), (55, 41202), (58, 41253), (59, 41265), (60, 41274), (64, 41325), (75, 41457), (79, 41508), (90, 41640), (95, 41673), (96, 41676), (111, 41868), (117, 41955), (122, 42018), (125, 42042), (126, 42051), (148, 42201), (157, 42234), (158, 42237),

Gene: Thresher_33 Start: 30395, Stop: 31897, Start Num: 21
Candidate Starts for Thresher_33:
(Start: 21 @30395 has 130 MA's), (Start: 31 @30464 has 3 MA's), (38, 30542), (50, 30638), (52, 30659), (54, 30665), (58, 30749), (60, 30770), (63, 30821), (67, 30875), (74, 30950), (84, 31085), (88, 31097), (93, 31166), (95, 31175), (102, 31280), (109, 31349), (118, 31475), (125, 31556), (146, 31679), (151, 31706), (152, 31712), (158, 31730), (166, 31766),

Gene: Thyatira_29 Start: 25415, Stop: 27049, Start Num: 22

Candidate Starts for Thyatira_29:
(Start: 22 @25415 has 91 MA's), (Start: 24 @25421 has 1 MA's), (Start: 25 @25436 has 1 MA's), (35, 25541), (39, 25565), (47, 25628), (55, 25700), (56, 25703), (58, 25751), (60, 25772), (69, 25901), (72, 25922), (73, 25934), (74, 25949), (77, 25988), (86, 26096), (88, 26105), (93, 26174), (94, 26180), (95, 26183), (102, 26288), (106, 26324), (107, 26348), (112, 26396), (118, 26477), (125, 26561), (128, 26594), (129, 26597), (146, 26717), (151, 26744), (152, 26750), (162, 26786), (166, 26804), (167, 26822), (171, 26855), (177, 26915), (186, 27005), (188, 27023), (190, 27038),

Gene: Tierra_30 Start: 24918, Stop: 26564, Start Num: 22
Candidate Starts for Tierra_30:
(Start: 22 @24918 has 91 MA's), (30, 24972), (32, 24999), (36, 25056), (38, 25065), (58, 25254), (60, 25275), (74, 25452), (77, 25491), (93, 25677), (95, 25686), (102, 25791), (110, 25863), (112, 25899), (118, 25980), (125, 26058), (128, 26091), (131, 26103), (137, 26136), (140, 26163), (150, 26241), (161, 26286), (176, 26415), (181, 26454), (184, 26484), (188, 26538),

Gene: Tigress9_30 Start: 24088, Stop: 25734, Start Num: 22
Candidate Starts for Tigress9_30:
(Start: 22 @24088 has 91 MA's), (Start: 31 @24157 has 3 MA's), (32, 24169), (36, 24226), (38, 24235), (58, 24424), (60, 24445), (62, 24481), (74, 24625), (77, 24664), (84, 24769), (93, 24850), (94, 24856), (95, 24859), (102, 24964), (110, 25036), (112, 25072), (118, 25153), (125, 25228), (128, 25261), (137, 25306), (140, 25333), (150, 25411), (161, 25456), (176, 25585), (181, 25624), (183, 25633), (184, 25654), (188, 25708),

Gene: Tomaszewski_31 Start: 29238, Stop: 30740, Start Num: 21
Candidate Starts for Tomaszewski_31:
(Start: 21 @29238 has 130 MA's), (Start: 31 @29307 has 3 MA's), (38, 29385), (50, 29481), (52, 29502), (54, 29508), (58, 29592), (60, 29613), (63, 29664), (67, 29718), (74, 29793), (84, 29928), (88, 29940), (93, 30009), (95, 30018), (102, 30123), (109, 30192), (118, 30318), (125, 30399), (151, 30549), (152, 30555), (158, 30573), (166, 30609),

Gene: Torres_26 Start: 24344, Stop: 25981, Start Num: 19
Candidate Starts for Torres_26:
(Start: 19 @24344 has 16 MA's), (28, 24386), (32, 24425), (36, 24482), (38, 24491), (45, 24563), (51, 24590), (58, 24698), (60, 24719), (62, 24752), (74, 24896), (77, 24935), (88, 25052), (90, 25091), (92, 25100), (93, 25121), (94, 25127), (95, 25130), (102, 25235), (107, 25295), (118, 25424), (125, 25499), (139, 25592), (182, 25874), (188, 25955), (190, 25970),

Gene: Toto_32 Start: 29710, Stop: 31143, Start Num: 31
Candidate Starts for Toto_32:
(Start: 21 @29641 has 130 MA's), (Start: 31 @29710 has 3 MA's), (38, 29788), (50, 29884), (52, 29905), (54, 29911), (58, 29995), (60, 30016), (63, 30067), (67, 30121), (74, 30196), (84, 30331), (88, 30343), (93, 30412), (95, 30421), (102, 30526), (109, 30595), (118, 30721), (125, 30802), (151, 30952), (158, 30976), (166, 31012),

Gene: Traaww1_30 Start: 29279, Stop: 30781, Start Num: 21
Candidate Starts for Traaww1_30:
(Start: 21 @29279 has 130 MA's), (Start: 31 @29348 has 3 MA's), (38, 29426), (50, 29522), (52, 29543), (54, 29549), (58, 29633), (60, 29654), (63, 29705), (67, 29759), (73, 29819), (84, 29969), (88, 29981), (93, 30050), (95, 30059), (102, 30164), (109, 30233), (118, 30359), (125, 30440), (151, 30590), (152, 30596), (158, 30614), (166, 30650),

Gene: TribleTrouble_29 Start: 25351, Stop: 26991, Start Num: 23
Candidate Starts for TribleTrouble_29:

(Start: 23 @25351 has 17 MA's), (32, 25429), (38, 25495), (40, 25501), (51, 25576), (57, 25642), (58, 25684), (59, 25696), (60, 25705), (71, 25840), (74, 25885), (77, 25924), (83, 26023), (86, 26032), (88, 26041), (92, 26089), (93, 26110), (94, 26116), (95, 26119), (102, 26224), (108, 26290), (109, 26293), (114, 26377), (118, 26413), (125, 26491), (138, 26584), (161, 26710), (163, 26722), (167, 26752), (180, 26875), (188, 26968),

Gene: Trice_26 Start: 24344, Stop: 25981, Start Num: 19
Candidate Starts for Trice_26:
(Start: 19 @24344 has 16 MA's), (28, 24386), (32, 24425), (36, 24482), (38, 24491), (45, 24563), (51, 24590), (58, 24698), (60, 24719), (62, 24752), (74, 24896), (77, 24935), (88, 25052), (90, 25091), (92, 25100), (93, 25121), (94, 25127), (95, 25130), (102, 25235), (107, 25295), (118, 25424), (125, 25499), (139, 25592), (182, 25874), (188, 25955), (190, 25970),

Gene: Tuco_33 Start: 30149, Stop: 31651, Start Num: 21
Candidate Starts for Tuco_33:
(Start: 21 @30149 has 130 MA's), (Start: 31 @30218 has 3 MA's), (38, 30296), (50, 30392), (52, 30413), (54, 30419), (58, 30503), (60, 30524), (63, 30575), (67, 30629), (74, 30704), (84, 30839), (88, 30851), (93, 30920), (95, 30929), (102, 31034), (109, 31103), (118, 31229), (125, 31310), (151, 31460), (152, 31466), (158, 31484), (166, 31520),

Gene: Ukulele_32 Start: 29399, Stop: 30901, Start Num: 21
Candidate Starts for Ukulele_32:
(Start: 21 @29399 has 130 MA's), (Start: 31 @29468 has 3 MA's), (38, 29546), (50, 29642), (52, 29663), (54, 29669), (58, 29753), (60, 29774), (63, 29825), (67, 29879), (74, 29954), (84, 30089), (88, 30101), (93, 30170), (95, 30179), (102, 30284), (109, 30353), (118, 30479), (125, 30560), (141, 30656), (146, 30683), (151, 30710), (152, 30716), (158, 30734), (166, 30770),

Gene: Unicorn_30 Start: 24247, Stop: 25893, Start Num: 22
Candidate Starts for Unicorn_30:
(Start: 22 @24247 has 91 MA's), (Start: 31 @24316 has 3 MA's), (32, 24328), (36, 24385), (38, 24394), (58, 24583), (60, 24604), (68, 24727), (74, 24781), (77, 24820), (93, 25006), (95, 25015), (102, 25120), (110, 25192), (112, 25228), (118, 25309), (125, 25387), (128, 25420), (131, 25432), (137, 25465), (140, 25492), (150, 25570), (161, 25615), (176, 25744), (181, 25783), (184, 25813),

Gene: ViviJ_28 Start: 25357, Stop: 26991, Start Num: 22
Candidate Starts for ViviJ_28:
(Start: 22 @25357 has 91 MA's), (Start: 24 @25363 has 1 MA's), (Start: 25 @25378 has 1 MA's), (35, 25483), (39, 25507), (42, 25522), (47, 25570), (55, 25642), (58, 25693), (60, 25714), (72, 25864), (73, 25876), (74, 25891), (77, 25930), (86, 26038), (88, 26047), (93, 26116), (94, 26122), (95, 26125), (107, 26290), (109, 26299), (112, 26338), (114, 26383), (118, 26419), (125, 26503), (128, 26536), (129, 26539), (151, 26686), (152, 26692), (162, 26728), (166, 26746), (181, 26881), (186, 26947), (190, 26980),

Gene: Wanda_53 Start: 40631, Stop: 42073, Start Num: 18
Candidate Starts for Wanda_53:
(16, 40607), (Start: 18 @40631 has 2 MA's), (Start: 23 @40640 has 17 MA's), (43, 40805), (44, 40826), (46, 40856), (52, 40898), (53, 40901), (60, 41009), (75, 41195), (79, 41246), (90, 41378), (95, 41411), (96, 41414), (99, 41459), (111, 41606), (117, 41693), (122, 41756), (125, 41780), (126, 41789), (148, 41939), (157, 41972), (158, 41975),

Gene: Waterfoul_29 Start: 25439, Stop: 27073, Start Num: 22
Candidate Starts for Waterfoul_29:

(Start: 22 @25439 has 91 MA's), (Start: 24 @25445 has 1 MA's), (Start: 25 @25460 has 1 MA's), (30, 25493), (Start: 31 @25508 has 3 MA's), (35, 25565), (38, 25586), (39, 25589), (42, 25604), (47, 25652), (55, 25724), (58, 25775), (60, 25796), (69, 25925), (72, 25946), (74, 25973), (77, 26012), (86, 26120), (88, 26129), (93, 26198), (94, 26204), (95, 26207), (102, 26312), (106, 26348), (107, 26372), (112, 26420), (118, 26501), (125, 26585), (128, 26618), (129, 26621), (141, 26714), (146, 26741), (151, 26768), (152, 26774), (162, 26810), (166, 26828), (167, 26846), (171, 26879), (177, 26939), (186, 27029), (188, 27047), (190, 27062),

Gene: Whitty_27 Start: 23579, Stop: 25162, Start Num: 22
Candidate Starts for Whitty_27:
(Start: 22 @23579 has 91 MA's), (32, 23660), (34, 23678), (39, 23729), (41, 23741), (42, 23744), (58, 23915), (61, 23942), (73, 24104), (75, 24125), (77, 24149), (81, 24215), (86, 24257), (91, 24311), (95, 24353), (101, 24437), (104, 24473), (106, 24491), (118, 24641), (125, 24728), (143, 24839), (159, 24920), (180, 25121),

Gene: Wiggin_35 Start: 30145, Stop: 31647, Start Num: 21
Candidate Starts for Wiggin_35:
(Start: 21 @30145 has 130 MA's), (Start: 31 @30214 has 3 MA's), (38, 30292), (50, 30388), (52, 30409), (54, 30415), (58, 30499), (60, 30520), (63, 30571), (67, 30625), (74, 30700), (84, 30835), (88, 30847), (93, 30916), (95, 30925), (102, 31030), (109, 31099), (118, 31225), (125, 31306), (146, 31429), (151, 31456), (152, 31462), (158, 31480), (166, 31516),

Gene: Willez_31 Start: 29145, Stop: 30647, Start Num: 21
Candidate Starts for Willez_31:
(Start: 21 @29145 has 130 MA's), (Start: 31 @29214 has 3 MA's), (38, 29292), (50, 29388), (52, 29409), (54, 29415), (58, 29499), (60, 29520), (63, 29571), (67, 29625), (74, 29700), (84, 29835), (88, 29847), (93, 29916), (95, 29925), (102, 30030), (109, 30099), (118, 30225), (125, 30306), (151, 30456), (152, 30462), (158, 30480), (166, 30516),

Gene: Wintermute_31 Start: 26019, Stop: 27629, Start Num: 22
Candidate Starts for Wintermute_31:
(Start: 22 @26019 has 91 MA's), (Start: 31 @26088 has 3 MA's), (35, 26145), (36, 26157), (38, 26166), (39, 26169), (42, 26184), (49, 26238), (54, 26271), (55, 26304), (58, 26355), (60, 26376), (62, 26409), (65, 26466), (73, 26538), (77, 26583), (88, 26700), (92, 26748), (93, 26769), (94, 26775), (95, 26778), (102, 26883), (112, 26991), (118, 27072), (119, 27090), (125, 27153), (126, 27162), (139, 27225), (172, 27441), (178, 27501),

Gene: Xandras_34 Start: 29631, Stop: 31133, Start Num: 21
Candidate Starts for Xandras_34:
(Start: 21 @29631 has 130 MA's), (Start: 31 @29700 has 3 MA's), (38, 29778), (50, 29874), (52, 29895), (54, 29901), (58, 29985), (60, 30006), (63, 30057), (67, 30111), (74, 30186), (84, 30321), (88, 30333), (93, 30402), (95, 30411), (102, 30516), (109, 30585), (118, 30711), (125, 30792), (141, 30888), (146, 30915), (151, 30942), (152, 30948), (158, 30966), (166, 31002),

Gene: Xiaokay_42 Start: 37675, Stop: 39093, Start Num: 22
Candidate Starts for Xiaokay_42:
(Start: 22 @37675 has 91 MA's), (30, 37729), (35, 37801), (37, 37816), (38, 37822), (48, 37903), (58, 38011), (59, 38023), (60, 38032), (62, 38065), (64, 38083), (75, 38215), (79, 38266), (90, 38398), (95, 38431), (96, 38434), (111, 38626), (117, 38713), (122, 38776), (125, 38800), (126, 38809), (134, 38854), (135, 38866), (148, 38959), (149, 38962), (157, 38992), (158, 38995),

Gene: Ximenita_31 Start: 24274, Stop: 25920, Start Num: 22
Candidate Starts for Ximenita_31:

(Start: 22 @24274 has 91 MA's), (Start: 31 @24343 has 3 MA's), (32, 24355), (36, 24412), (38, 24421), (58, 24610), (60, 24631), (62, 24667), (68, 24757), (74, 24811), (77, 24850), (93, 25036), (95, 25045), (102, 25150), (107, 25210), (112, 25258), (118, 25339), (125, 25417), (128, 25450), (131, 25462), (137, 25495), (140, 25522), (150, 25600), (161, 25645), (176, 25774), (181, 25810), (183, 25819), (184, 25840), (188, 25894),

Gene: Y10_31 Start: 26019, Stop: 27629, Start Num: 22
Candidate Starts for Y10_31:
(Start: 22 @26019 has 91 MA's), (Start: 31 @26088 has 3 MA's), (35, 26145), (36, 26157), (38, 26166), (39, 26169), (42, 26184), (49, 26238), (54, 26271), (55, 26304), (58, 26355), (60, 26376), (62, 26409), (65, 26466), (73, 26538), (77, 26583), (88, 26700), (92, 26748), (93, 26769), (94, 26775), (95, 26778), (102, 26883), (112, 26991), (118, 27072), (119, 27090), (125, 27153), (126, 27162), (139, 27225), (172, 27441), (178, 27501),

Gene: Y2_31 Start: 26019, Stop: 27629, Start Num: 22
Candidate Starts for Y2_31:
(Start: 22 @26019 has 91 MA's), (Start: 31 @26088 has 3 MA's), (35, 26145), (36, 26157), (38, 26166), (39, 26169), (42, 26184), (49, 26238), (54, 26271), (55, 26304), (58, 26355), (60, 26376), (62, 26409), (65, 26466), (73, 26538), (77, 26583), (88, 26700), (92, 26748), (93, 26769), (94, 26775), (95, 26778), (102, 26883), (112, 26991), (118, 27072), (119, 27090), (125, 27153), (126, 27162), (139, 27225), (172, 27441), (178, 27501),

Gene: YasnayaPolyana_31 Start: 26020, Stop: 27630, Start Num: 22
Candidate Starts for YasnayaPolyana_31:
(Start: 22 @26020 has 91 MA's), (Start: 31 @26089 has 3 MA's), (35, 26146), (36, 26158), (38, 26167), (39, 26170), (42, 26185), (49, 26239), (54, 26272), (55, 26305), (58, 26356), (60, 26377), (62, 26410), (65, 26467), (73, 26539), (77, 26584), (88, 26701), (92, 26749), (93, 26770), (94, 26776), (95, 26779), (102, 26884), (112, 26992), (118, 27073), (119, 27091), (125, 27154), (126, 27163), (139, 27226), (172, 27442), (178, 27502),

Gene: YassJohnny_33 Start: 30156, Stop: 31658, Start Num: 21
Candidate Starts for YassJohnny_33:
(Start: 21 @30156 has 130 MA's), (Start: 31 @30225 has 3 MA's), (38, 30303), (50, 30399), (52, 30420), (54, 30426), (58, 30510), (60, 30531), (63, 30582), (67, 30636), (74, 30711), (84, 30846), (88, 30858), (93, 30927), (95, 30936), (102, 31041), (109, 31110), (118, 31236), (125, 31317), (146, 31440), (151, 31467), (152, 31473), (158, 31491), (166, 31527),

Gene: Yeet_45 Start: 40076, Stop: 41494, Start Num: 22
Candidate Starts for Yeet_45:
(Start: 22 @40076 has 91 MA's), (30, 40130), (35, 40202), (38, 40223), (48, 40304), (55, 40361), (58, 40412), (59, 40424), (60, 40433), (64, 40484), (75, 40616), (79, 40667), (90, 40799), (95, 40832), (96, 40835), (111, 41027), (117, 41114), (122, 41177), (125, 41201), (126, 41210), (148, 41360), (157, 41393), (158, 41396),

Gene: Youngblood_32 Start: 29801, Stop: 31303, Start Num: 21
Candidate Starts for Youngblood_32:
(Start: 21 @29801 has 130 MA's), (Start: 31 @29870 has 3 MA's), (38, 29948), (50, 30044), (52, 30065), (54, 30071), (58, 30155), (60, 30176), (63, 30227), (67, 30281), (74, 30356), (84, 30491), (88, 30503), (93, 30572), (95, 30581), (102, 30686), (109, 30755), (118, 30881), (125, 30962), (151, 31112), (152, 31118), (158, 31136), (166, 31172),

Gene: Zelink_48 Start: 41861, Stop: 43279, Start Num: 22
Candidate Starts for Zelink_48:

(Start: 22 @41861 has 91 MA's), (30, 41915), (35, 41987), (38, 42008), (48, 42089), (55, 42146), (58, 42197), (59, 42209), (60, 42218), (64, 42269), (75, 42401), (79, 42452), (90, 42584), (95, 42617), (96, 42620), (99, 42665), (111, 42812), (117, 42899), (122, 42962), (125, 42986), (126, 42995), (148, 43145), (157, 43178), (158, 43181),

Gene: ZenTime222_27 Start: 23579, Stop: 25162, Start Num: 22
Candidate Starts for ZenTime222_27:
(Start: 22 @23579 has 91 MA's), (32, 23660), (34, 23678), (39, 23729), (41, 23741), (42, 23744), (58, 23915), (61, 23942), (73, 24104), (75, 24125), (77, 24149), (81, 24215), (86, 24257), (91, 24311), (95, 24353), (101, 24437), (104, 24473), (106, 24491), (118, 24641), (125, 24728), (143, 24839), (159, 24920), (180, 25121),

Gene: xkcd_33 Start: 29810, Stop: 31312, Start Num: 21
Candidate Starts for xkcd_33:
(Start: 21 @29810 has 130 MA's), (Start: 31 @29879 has 3 MA's), (38, 29957), (50, 30053), (52, 30074), (54, 30080), (58, 30164), (60, 30185), (63, 30236), (67, 30290), (74, 30365), (84, 30500), (88, 30512), (93, 30581), (95, 30590), (102, 30695), (109, 30764), (118, 30890), (125, 30971), (141, 31067), (146, 31094), (151, 31121), (152, 31127), (158, 31145), (166, 31181),