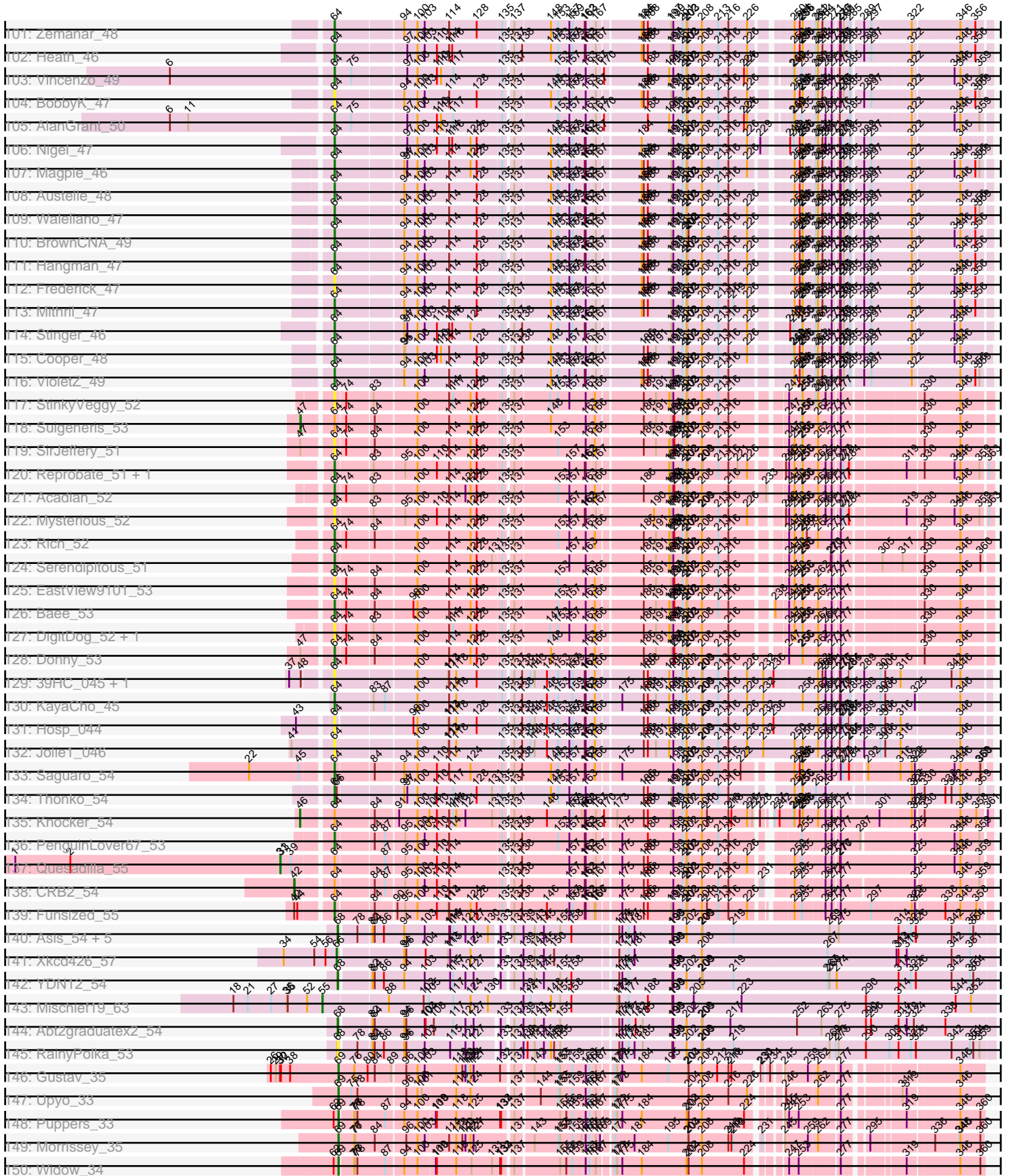
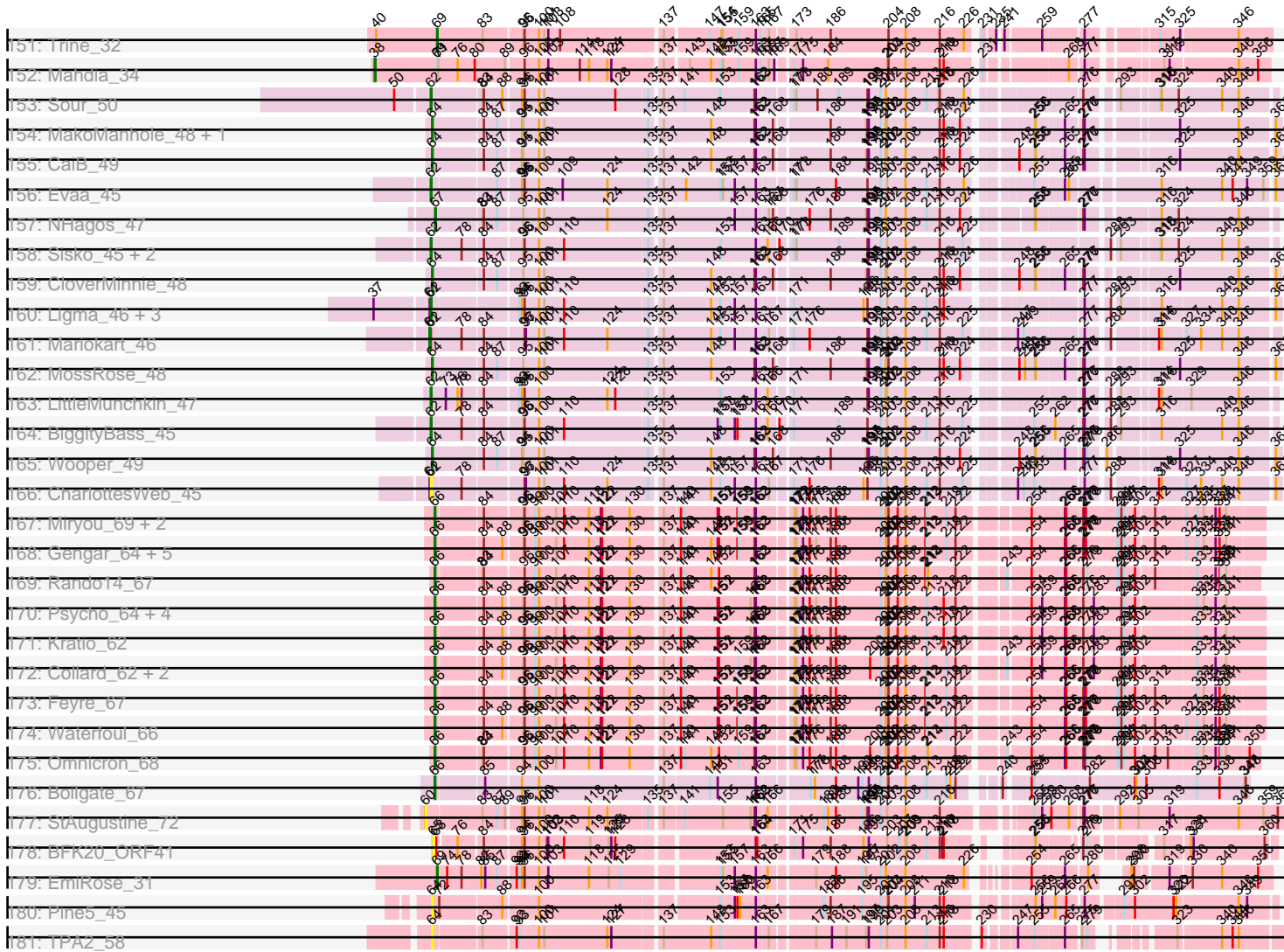


Pham 161472



Pham 161472



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 161472 Report

This analysis was run 04/28/24 on database version 559.

Pham number 161472 has 481 members, 60 are drafts.

Phages represented in each track:

- Track 1 : Mikota_52, Suffolk_52, Soto_52, Aelin_52, Lulwa_52, Antonia_52, MiniBoss_52, SDcharge11_53, Schadenfreude_52, Sheila_52, KingVeVeVe_52, Chunky_52
- Track 2 : JakeO_51, Jiminy_51, Skippy_52, YouGoGlencoco_52, Cosmolli16_52, Maru_51, Keitherie_52, Bishoperium_51, Wallhey_51, Slatt_52, Durga_53, JDog_52, Vaticameos_48, Soile_52, Emiris_53, Veritas_51, Roliet_52, Tomlarah_52
- Track 3 : HighStump_52, Hartsy_52, Grand2040_51, Windsor_51, Kahve_51, Coletti_51, LeiMonet_53, ImtiyazSitla_52, Eugenia_52, Mutante_51, Piglet_0052, CharlieGBrown_51, Maskar_52, Phergie_52, Labeouficaum_51, Phleuron_51, Derpp_51, Cornobble_51, BatteryCK_51, Virgeve_51, DuchessDung_51, Melc17_52, Virapocalypse_52, Hocus_51, Burr_51, Andre_55, Magic8_52, Serpentine_0052, MichaelPhcott_51, Mulan_52, Nacho_0053, PhenghisKhan_51, JangoPhett_52, KingTut_43, PhrankReynolds_50, Inchworm_53, Simielle_51, Kailash_52, Gareth_51, Oline_51, AltPhacts_53, Waterdiva_52, Chute_51, Ashraf_52, Duggie_51, LasagnaCat_53, PinheadLarry_52, MelsMeow_52, Thunderbird_52, CampRoach_53, Lego3393_51, TyrionL_51, OSmaximus_53, Lumine_51, Craff_53, Anderson_52, LemonSlice_52, GeneCoco_52, Bluephacebaby_51, Crownjwl_53, Kwksand96_51, PhrodoBaggins_52, Placalicious_51, Chaelin_52, Cher_51, Charles1_52, Brilliant_52, RedMaple_52, Usavi_52, Squiggle_52, Iridoclysis_52, Telesworld_51, HenryJackson_51, Giraffe_52, FugateOSU_51, Pinkman_51, Gwilliam_53
- Track 4 : Apizium_52, Kloppinator_53, Newman_52, KlimbOn_52, Mesh1_53, Inverness_52, EmpTee_52
- Track 5 : Frankicide_52, HSavage_52, OliverWalter_52
- Track 6 : Fozzie_51, Altwerkus_51, Phunky_52, Roy17_52, Dione_51, CheetO_52, Horchata_52, DoesntMatter_51, Riggan_52, AbsoluteMadLad_52, Phareon_52, Freya_51, LuckyMarjie_51, Eremos_52, Lulumae_51, Plmatters_52
- Track 7 : CamL_52, Mosaic_51, Sophia_51, Serendipity_52, TallGrassMM_52, Squid_52, Daffy_52, Morgushi_52, Solosis_51, Timmi_51, DaddyDaniels_52, Lasso_52, QueenBeane_52, Mana_51, Puhltonio_52, Haleema_51, TomBombadil_52, Cannibal_52, Kwadwo_51, Samaymay_52, SassyCat97_51, Xavier_51, Held_52, Vortex_52, Banjo_51
- Track 8 : BlueHusk_52, PhatLouie_52, Mcshane_51, Kikipoo_53, Swiphy_54, IsaacEli_53
- Track 9 : Weher20_52, Dati_52, Doddsville_52, Etaye_52, Childish_51
- Track 10 : MRabcd_51, Legolas_52, LostAndPhound_51

- Track 11 : ThreeOh3D2_53, Orwigg_53, Toni_51, DelRivs_51, True_51, BlackStallion_53, Phipps_52, Quisquilliae_52, Selr12_54, Robyn_51, Ricotta_52, Olak_52, Orfeu_52, Chah_54, FriarPreacher_51, Swish_53, Adriana_53, Scoot17C_53, Megamind20_52, Megatron_53, PhatCats2014_53, Nyala_51, FluffyNinja_53, Yoshand_53
- Track 12 : Daka_53, Prickles_52
- Track 13 : ShiVal_52, Spartan300_52, Roscoe_53, Oosterbaan_52, Hertubise_52, Podrick_52, Thora_52, Pops_52
- Track 14 : Trypo_53, Jiraiya_54, Zonia_52, Mag7_51, Struggle_51, PG1_53
- Track 15 : Zaider_53, Buckeye_52, Murdoc_52
- Track 16 : Gyarad_0052, KLucky39_52
- Track 17 : Fringe_53, Pherdinand_53, Jillium_51, Scrick_52, Orion_53
- Track 18 : DirtJuice_52
- Track 19 : Haimas_52, Hamish_52, UncleHowie_52, Tooj_52
- Track 20 : Carthage_50
- Track 21 : Surely_52, Zelda_52
- Track 22 : Chorkpop_52, MitKao_52, Potter_51
- Track 23 : Hetaeria_52, UAch1_52, Manad_52, Matalotodo_52, Harvey_52, DonSanchon_51
- Track 24 : Pipsqueak_52
- Track 25 : Morty_53, Fang_53, Longacauda_51, Sigman_53, Badfish_53, Nicole21_52, Beaglebox_51, Phamished_53, JacAttac_53
- Track 26 : MrPhizzler_51, Rimu_54
- Track 27 : Vivaldi_54
- Track 28 : ABU_53
- Track 29 : Boehler_52
- Track 30 : Vista_52
- Track 31 : Olive_52
- Track 32 : Schueller_52
- Track 33 : Lopsy_51, Dingo_52
- Track 34 : ProfessorX_52
- Track 35 : Gophee_52
- Track 36 : Valjean_52
- Track 37 : LeeLot_52
- Track 38 : Mecca_51, Kimbrough_52, Omniscient_52
- Track 39 : Basato_53
- Track 40 : Katniss_53
- Track 41 : Dice_54, Pacifista_54
- Track 42 : Colbert_52
- Track 43 : Cobra_52
- Track 44 : Vaishali24_51
- Track 45 : Numberten_52
- Track 46 : Imvubu_47
- Track 47 : Indlovu_51
- Track 48 : LilMcDreamy_50
- Track 49 : Zenteno07_56
- Track 50 : Hashim76_56
- Track 51 : BirdsNest_55
- Track 52 : FrenchFry_51
- Track 53 : Bananafish_51, Qyrzula_48
- Track 54 : Calamitous_51, Rhinoforte_51
- Track 55 : MasterPo_51, Lephleur_51, Kaleb_51, Phantasmagoria_51, Faze9_50, Allegro_51, Ares_51

- Track 56 : Holeinone_51
- Track 57 : Blocker23_51
- Track 58 : Coffee_51
- Track 59 : Laurie_50
- Track 60 : ItsyBitsy1_51
- Track 61 : Arbiter_50, Kheth_51
- Track 62 : Tinciduntolum_52, Brownie5_51, Rosebush_50, Opia_51, Hedgerow_51, Tres_51
- Track 63 : TA17A_51
- Track 64 : West99_51
- Track 65 : Lars_51
- Track 66 : Godines_51
- Track 67 : Sabella_50
- Track 68 : Glass_51
- Track 69 : Eaglehorse_51
- Track 70 : Boyle_51
- Track 71 : LizLemon_51
- Track 72 : Gadjet_53
- Track 73 : Devonte_51, HarveySr_51, RagingRooster_51
- Track 74 : Deenasa_51, Briakila_52, LestyG_51
- Track 75 : Pipefish_54
- Track 76 : Phayeta_54
- Track 77 : Abinghost_52
- Track 78 : Neos5_52
- Track 79 : Compostia_52
- Track 80 : SynergyX_52, Gervas_53, Athena_54, ChaChing_52, Philly_51, Heathcliff_52, Halfpint_51, Mortcellus_52, Jackstina_48, Rita1961_53, Tydolla_51, Obutu_53
- Track 81 : Baloo_52, Audrey_52, RomaT_52
- Track 82 : GlenHope_53
- Track 83 : Kronus_52, Ben11_52, Casbah_52
- Track 84 : Nozo_52, OrangeOswald_52, Akoma_52, Chandler_52
- Track 85 : Bernardo_53
- Track 86 : Daisy_52, Yinz_52
- Track 87 : Corofin_52
- Track 88 : Morty007_52
- Track 89 : Marley1013_52
- Track 90 : SlippinJimmy_54
- Track 91 : Yahalom_51, Phlyer_52
- Track 92 : MmasiCarm_53
- Track 93 : Kamiyu_52
- Track 94 : Phaedrus_49
- Track 95 : JaguarMi_49
- Track 96 : Prince_48, Apex_48, Lolalove_48, Mudslide_47
- Track 97 : Fortunato_48, RawrgerThat_48
- Track 98 : ChrisnMich_47, Nanao_46, Poster_46
- Track 99 : Hydro_47
- Track 100 : JAMaL_47
- Track 101 : Zemanar_48
- Track 102 : Heath_46
- Track 103 : Vincenzo_49
- Track 104 : BobbyK_47
- Track 105 : AlanGrant_50

- Track 106 : Nigel_47
- Track 107 : Magpie_46
- Track 108 : Austelle_48
- Track 109 : Waleliano_47
- Track 110 : BrownCNA_49
- Track 111 : Hangman_47
- Track 112 : Frederick_47
- Track 113 : Mithril_47
- Track 114 : Stinger_46
- Track 115 : Cooper_48
- Track 116 : VioletZ_49
- Track 117 : StinkyVeggy_52
- Track 118 : Suigeneris_53
- Track 119 : SirJeffery_51
- Track 120 : Reprobate_51, Phelemich_50
- Track 121 : Acadian_52
- Track 122 : Mysterious_52
- Track 123 : Rich_52
- Track 124 : Serendipitous_51
- Track 125 : EastView9101_53
- Track 126 : Bae_53
- Track 127 : DigitDog_52, Nangang_52
- Track 128 : Donny_53
- Track 129 : 39HC_045, 40BC_045
- Track 130 : KayaCho_45
- Track 131 : Hosp_044
- Track 132 : Jolie1_046
- Track 133 : Saguaro_54
- Track 134 : Thonko_54
- Track 135 : Knocker_54
- Track 136 : PenguinLover67_53
- Track 137 : Quesadilla_55
- Track 138 : CRB2_54
- Track 139 : Funsized_55
- Track 140 : Asis_54, TP1604_54, BabyGotBac_55, Maih_53, BayC_54, Salete_54
- Track 141 : Xkcd426_57
- Track 142 : YDN12_54
- Track 143 : Mischief19_63
- Track 144 : Abt2graduatex2_54
- Track 145 : RainyPolka_53
- Track 146 : Gustav_35
- Track 147 : Upyo_33
- Track 148 : Puppies_33
- Track 149 : Morrissey_35
- Track 150 : Widow_34
- Track 151 : Trine_32
- Track 152 : Mahdia_34
- Track 153 : Sour_50
- Track 154 : MakoManhole_48, AnarQue_48
- Track 155 : CaiB_49
- Track 156 : Evaa_45
- Track 157 : NHagos_47
- Track 158 : Sisko_45, AnClar_46, Yago84_45

- Track 159 : CloverMinnie_48
- Track 160 : Ligma_46, Fresco_46, Axumite_46, Shatter_46
- Track 161 : Mariokart_46
- Track 162 : MossRose_48
- Track 163 : LittleMunchkin_47
- Track 164 : BiggityBass_45
- Track 165 : Wooper_49
- Track 166 : CharlottesWeb_45
- Track 167 : Miryou_69, SoSeph_65, Heftyboy_65
- Track 168 : Gengar_64, Paola_64, Leston_64, Guillsminger_65, OkiRoe_65, Thyatira_67
- Track 169 : Rando14_67
- Track 170 : Psycho_64, Dadosky_66, Edugator_63, AlleyCat_66, Larva_65
- Track 171 : Kratio_62
- Track 172 : Collard_62, Agent47_62, InvictusManeo_62
- Track 173 : Feyre_67
- Track 174 : Waterfoul_66
- Track 175 : Omnicron_68
- Track 176 : Boilgate_67
- Track 177 : StAugustine_72
- Track 178 : BFK20_ORF41
- Track 179 : EmiRose_31
- Track 180 : Pine5_45
- Track 181 : TPA2_58

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

The start number called the most often in the published annotations is 64, it was called in 144 of the 421 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 39HC_045, 40BC_045, Acadian_52, AlanGrant_50, Allegro_51, AnarQue_48, Apex_48, Arbiter_50, Ares_51, Austelle_48, Bae_53, Bananafish_51, Banjo_51, Bishoperium_51, Blocker23_51, BobbyK_47, Boyle_51, BrownCNA_49, Brownie5_51, CaiB_49, Calamitous_51, CamL_52, Cannibal_52, Carthage_50, Childish_51, Chorkpop_52, ChrisnMich_47, CloverMinnie_48, Cobra_52, Coffee_51, Cooper_48, Cosmolli16_52, DaddyDaniels_52, Daffy_52, Daka_53, Dati_52, DigitDog_52, Dingo_52, DirtJuice_52, Doddsville_52, Donny_53, Durga_53, Eaglehorse_51, EastView9101_53, Emiris_53, Etaye_52, Faze9_50, Fortunato_48, Frederick_47, FrenchFry_51, Fringe_53, Funsized_55, Glass_51, Godines_51, Haleema_51, Hangman_47, Heath_46, Hedgerow_51, Held_52, Holeinone_51, Hosp_044, Hydro_47, Imvubu_47, ItsyBitsy1_51, JAMaL_47, JDog_52, JaguarMi_49, JakeO_51, Jillium_51, Jiminy_51, Jolie1_046, Kaleb_51, KayaCho_45, Keitherie_52, Kheth_51, Kimbrough_52, Kwadwo_51, Lars_51, Lasso_52, Laurie_50, Legolas_52, Lephleur_51, LilMcDreamy_50, LizLemon_51, Lolalove_48, Lopsy_51, LostAndPhound_51, MRabcd_51, Magpie_46, MakoManhole_48, Mana_51, Maru_51, MasterPo_51, Mecca_51, MitKao_52, Mithril_47, Morgushi_52, Mosaic_51, MossRose_48, Mudslide_47, Mysterious_52, Nanao_46, Nangang_52, Nigel_47, Omniscient_52, Opia_51, Orion_53, PenguinLover67_53, Phantasmagoria_51, Phelemich_50, Pherdinand_53, Pine5_45, Poster_46, Potter_51, Prickles_52,

Prince_48, Puhltonio_52, QueenBeane_52, Qyrzula_48, RawrgerThat_48, Reprobate_51, Rhinoforte_51, Rich_52, Roliet_52, Rosebush_50, Sabella_50, Saguaro_54, Samaymay_52, SassyCat97_51, Scrick_52, Serendipitous_51, Serendipity_52, SirJeffery_51, Skippy_52, Slatt_52, Soile_52, Solosis_51, Sophia_51, Squid_52, Stinger_46, StinkyVeggy_52, TA17A_51, TPA2_58, TallGrassMM_52, Thonko_54, Timmi_51, Tinciduntolum_52, TomBombadil_52, Tomlarah_52, Tres_51, Vaishali24_51, Valjean_52, Vaticameos_48, Veritas_51, Vincenzo_49, VioletZ_49, Vivaldi_54, Vortex_52, Waleliano_47, Wallhey_51, Weher20_52, West99_51, Wooper_49, Xavier_51, YouGoGlencoco_52, Zemanar_48,

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

- ABU_53, Adriana_53, AltPhacts_53, Anderson_52, Andre_55, Ashraf_52, Badfish_53, BatteryCK_51, Beaglebox_51, BlackStallion_53, BlueHusk_52, Bluephacebaby_51, Brilliant_52, Burr_51, CRB2_54, CampRoach_53, Chaelin_52, Chah_54, Charles1_52, CharlieGBrown_51, Cher_51, Chute_51, Coletti_51, Cornobble_51, Craff_53, Crownjwl_53, DelRivs_51, Derpp_51, Dice_54, DuchessDung_51, Duggie_51, Eugenia_52, Fang_53, FluffyNinja_53, FriarPreacher_51, FugateOSU_51, Gareth_51, GeneCoco_52, Giraffe_52, Gophee_52, Grand2040_51, Gwilliam_53, Hartsy_52, HenryJackson_51, HighStump_52, Hocus_51, IntiyazSitla_52, Inchworm_53, Iridoclysis_52, IsaacEli_53, JacAttac_53, JangoPhett_52, Jiraiya_54, Kahve_51, Kailash_52, Katniss_53, Kikipoo_53, KingTut_43, Knocker_54, Kwksand96_51, Labeouficaum_51, LasagnaCat_53, Lego3393_51, LeiMonet_53, LemonSlice_52, Longacauda_51, Lumine_51, Mag7_51, Magic8_52, Maskar_52, Mcshane_51, Megamind20_52, Megatron_53, Melc17_52, MelsMeow_52, MichaelPhcott_51, Morty_53, MrPhizzler_51, Mulan_52, Mutante_51, Nacho_0053, Nicole21_52, Nyala_51, OSmaximus_53, Olak_52, Oline_51, Orfeu_52, Orwigg_53, PG1_53, Pacifista_54, Phamished_53, PhatCats2014_53, PhatLouie_52, PhenghisKhan_51, Phergie_52, Phipps_52, Phleuron_51, PhrankReynolds_50, PhrodoBaggins_52, Piglet_0052, PinheadLarry_52, Pinkman_51, Placalicious_51, Quesadilla_55, Quisquilliae_52, RedMaple_52, Ricotta_52, Rimu_54, Robyn_51, Scoot17C_53, Selr12_54, Serpentine_0052, Sigman_53, Simielle_51, Squiggle_52, Struggle_51, Suigeneris_53, Swiphy_54, Swish_53, Telesworld_51, ThreeOh3D2_53, Thunderbird_52, Toni_51, True_51, Trypo_53, TyrionL_51, Usavi_52, Virapocalypse_52, Virgeve_51, Waterdiva_52, Windsor_51, Yoshand_53, Zonia_52,

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

- Abinghost_52, AbsoluteMadLad_52, Abt2graduatex2_54, Aelin_52, Agent47_62, Akoma_52, AlleyCat_66, Altwerkus_51, AnClar_46, Antonia_52, Apizium_52, Asis_54, Athena_54, Audrey_52, Axumite_46, BFK20_ORF41, BabyGotBac_55, Baloo_52, Basato_53, BayC_54, Ben11_52, Bernardo_53, BiggityBass_45, BirdsNest_55, Boehler_52, Boilgate_67, Briakila_52, Buckeye_52, Casbah_52, ChaChing_52, Chandler_52, CharlottesWeb_45, CheetO_52, Chunky_52, Colbert_52, Collard_62, Compostia_52, Corofin_52, Dadosky_66, Daisy_52, Deenasa_51, Devonte_51, Dione_51, DoesntMatter_51, DonSanchon_51, Edugator_63, EmiRose_31, EmpTee_52, Eremos_52, Evaa_45, Feyre_67, Fozzie_51, Frankicide_52, Fresco_46, Freya_51, Gadget_53, Gengar_64, Gervas_53, GlenHope_53, Guillsminger_65, Gustav_35, Gyarad_0052, HSavage_52, Haimas_52, Halfpint_51, Hamish_52, HarveySr_51, Harvey_52, Hashim76_56, Heathcliff_52, Heftyboy_65, Hertubise_52, Hetaeria_52, Horchata_52, Indlovu_51, Inverness_52, InvictusManeo_62, Jackstina_48, KLucky39_52, Kamiyu_52, KingVeVeVe_52, KlimbOn_52, Kloppinator_53, Kratio_62, Kronus_52, Larva_65,

LeeLot_52, Leston_64, LestyG_51, Ligma_46, LittleMunchkin_47, LuckyMarjie_51, Lulumae_51, Lulwa_52, Mahdia_34, Maih_53, Manad_52, Mariokart_46, Marley1013_52, Matalotodo_52, Mesh1_53, Mikota_52, MiniBoss_52, Miryou_69, Mischief19_63, MmasiCarm_53, Morrissey_35, Mortcellus_52, Morty007_52, Murdoc_52, NHagos_47, Neos5_52, Newman_52, Nozo_52, Numberten_52, Obutu_53, OkiRoe_65, Olive_52, OliverWalter_52, Omnicron_68, Oosterbaan_52, OrangeOswald_52, Paola_64, Phaedrus_49, Phareon_52, Phayeta_54, Philly_51, Phlyer_52, Phunky_52, Pipefish_54, Pipsqueak_52, Plmatters_52, Podrick_52, Pops_52, ProfessorX_52, Psycho_64, Puppies_33, RagingRooster_51, RainyPolka_53, Rando14_67, Riggan_52, Rita1961_53, RomaT_52, Roscoe_53, Roy17_52, SDcharge11_53, Saletе_54, Schadenfreude_52, Schueller_52, Shatter_46, Sheila_52, ShiVal_52, Sisko_45, SlippinJimmy_54, SoSeph_65, Soto_52, Sour_50, Spartan300_52, StAugustine_72, Suffolk_52, Surely_52, SynergyX_52, TP1604_54, Thora_52, Thyatira_67, Tooj_52, Trine_32, Tydolla_51, UAch1_52, UncleHowie_52, Upyo_33, Vista_52, Waterfoul_66, Widow_34, Xkcd426_57, YDN12_54, Yago84_45, Yahalom_51, Yinz_52, Zaider_53, Zelda_52, Zenteno07_56,

Summary by start number:

Start 31:

- Found in 1 of 481 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Quesadilla_55 (B9),

Start 38:

- Found in 2 of 481 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Mahdia_34 (CD),

Start 39:

- Found in 168 of 481 (34.9%) of genes in pham
- Manual Annotations of this start: 104 of 421
- Called 73.2% of time when present
- Phage (with cluster) where this start called: Adriana_53 (B1), Akoma_52 (B3), AltPhacts_53 (B1), Anderson_52 (B1), Andre_55 (B1), Ashraf_52 (B1), Badfish_53 (B1), BatteryCK_51 (B1), Beaglebox_51 (B1), Bernardo_53 (B3), BlackStallion_53 (B1), BlueHusk_52 (B1), Bluephacebaby_51 (B1), Brilliant_52 (B1), Burr_51 (B1), CampRoach_53 (B1), Chaelin_52 (B1), Chah_54 (B1), Chandler_52 (B3), Charles1_52 (B1), CharlieGBrown_51 (B1), Cher_51 (B1), Chute_51 (B1), Coletti_51 (B1), Cornobble_51 (B1), Craff_53 (B1), Crownjwl_53 (B1), DelRivs_51 (B1), Derpp_51 (B1), DuchessDung_51 (B1), Duggie_51 (B1), Eugenia_52 (B1), Fang_53 (B1), FluffyNinja_53 (B1), FriarPreacher_51 (B1), FugateOSU_51 (B1), Gadjet_53 (B3), Gareth_51 (B1), GeneCoco_52 (B1), Giraffe_52 (B1), Grand2040_51 (B1), Gwilliam_53 (B1), Hartsy_52 (B1), HenryJackson_51 (B1), HighStump_52 (B1), Hocus_51 (B1), ImtiyazSitla_52 (B1), Inchworm_53 (B1), Iridoclysis_52 (B1), IsaacEli_53 (B1), JacAttac_53 (B1), JangoPhett_52 (B1), Kahve_51 (B1), Kailash_52 (B1), Kamiyu_52 (B3), Kikipoo_53 (B1), KingTut_43 (B1), Kwksand96_51 (B1), Labeouficaum_51 (B1), LasagnaCat_53 (B1), Lego3393_51 (B1), LeiMonet_53 (B1), LemonSlice_52 (B1), Longacauda_51 (B1), Lumine_51 (B1), Magic8_52 (B1), Maskar_52 (B1), Mcshane_51 (B1), Megamind20_52 (B1), Megatron_53 (B1),

Melc17_52 (B1), MelsMeow_52 (B1), MichaelPhcott_51 (B1), Morty_53 (B1), Mulan_52 (B1), Mutante_51 (B1), Nacho_0053 (B1), Nicole21_52 (B1), Nozo_52 (B3), Nyala_51 (B1), OSmaximus_53 (B1), Olak_52 (B1), Oline_51 (B1), OrangeOswald_52 (B3), Orfeu_52 (B1), Orwigg_53 (B1), Phamished_53 (B1), PhatCats2014_53 (B1), PhatLouie_52 (B1), PhenghisKhan_51 (B1), Phergie_52 (B1), Phipps_52 (B1), Phleuron_51 (B1), PhrankReynolds_50 (B1), PhrodoBaggins_52 (B1), Piglet_0052 (B1), PinheadLarry_52 (B1), Pinkman_51 (B1), Placalicious_51 (B1), Quisquiliae_52 (B1), RedMaple_52 (B1), Ricotta_52 (B1), Robyn_51 (B1), Scoot17C_53 (B1), Selr12_54 (B1), Serpentine_0052 (B1), Sigman_53 (B1), Simielle_51 (B1), Squiggle_52 (B1), Swiphy_54 (B1), Swish_53 (B1), Telesworld_51 (B1), ThreeOh3D2_53 (B1), Thunderbird_52 (B1), Toni_51 (B1), True_51 (B1), TyrionL_51 (B1), Usavi_52 (B1), Virapocalypse_52 (B1), Virgeve_51 (B1), Waterdiva_52 (B1), Windsor_51 (B1), Yoshand_53 (B1),

Start 42:

- Found in 4 of 481 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 50.0% of time when present
- Phage (with cluster) where this start called: CRB2_54 (B9), Hashim76_56 (B13),

Start 46:

- Found in 1 of 481 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Knocker_54 (B9),

Start 47:

- Found in 3 of 481 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Suigeneris_53 (B5),

Start 48:

- Found in 13 of 481 (2.7%) of genes in pham
- Manual Annotations of this start: 3 of 421
- Called 23.1% of time when present
- Phage (with cluster) where this start called: Compostia_52 (B3), Corofin_52 (B3), GlenHope_53 (B3),

Start 55:

- Found in 1 of 481 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mischief19_63 (BG),

Start 59:

- Found in 47 of 481 (9.8%) of genes in pham
- Manual Annotations of this start: 33 of 421
- Called 76.6% of time when present
- Phage (with cluster) where this start called: Abinghost_52 (B3), Athena_54 (B3), Audrey_52 (B3), Baloo_52 (B3), Ben11_52 (B3), Briakila_52 (B3), Casbah_52 (B3), ChaChing_52 (B3), Daisy_52 (B3), Deenasa_51 (B3), Devonte_51 (B3), Gervas_53 (B3), Halfpint_51 (B3), HarveySr_51 (B3), Heathcliff_52 (B3), Jackstina_48 (B3),

Kronus_52 (B3), LestyG_51 (B3), MmasiCarm_53 (B3), Mortcellus_52 (B3), Morty007_52 (B3), Neos5_52 (B3), Obutu_53 (B3), Phaedrus_49 (B3), Phayeta_54 (B3), Philly_51 (B3), Phlyer_52 (B3), Pipefish_54 (B3), RagingRooster_51 (B3), Rita1961_53 (B3), RomaT_52 (B3), SlippinJimmy_54 (B3), SynergyX_52 (B3), Tydolla_51 (B3), Yahalom_51 (B3), Yinz_52 (B3),

Start 60:

- Found in 1 of 481 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: StAugustine_72 (singleton),

Start 61:

- Found in 6 of 481 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Mariokart_46 (DR),

Start 62:

- Found in 16 of 481 (3.3%) of genes in pham
- Manual Annotations of this start: 10 of 421
- Called 81.2% of time when present
- Phage (with cluster) where this start called: AnClar_46 (DR), Axumite_46 (DR), BiggityBass_45 (DR), CharlottesWeb_45 (DR), Evaa_45 (DR), Fresco_46 (DR), Indlovu_51 (B11), Ligma_46 (DR), LittleMunchkin_47 (DR), Shatter_46 (DR), Sisko_45 (DR), Sour_50 (DR), Yago84_45 (DR),

Start 63:

- Found in 72 of 481 (15.0%) of genes in pham
- Manual Annotations of this start: 65 of 421
- Called 91.7% of time when present
- Phage (with cluster) where this start called: AbsoluteMadLad_52 (B1), Aelin_52 (B1), Altwerkus_51 (B1), Antonia_52 (B1), Apizium_52 (B1), Boehler_52 (B1), Buckeye_52 (B1), CheetO_52 (B1), Chunky_52 (B1), Dione_51 (B1), DoesntMatter_51 (B1), DonSanchon_51 (B1), EmpTee_52 (B1), Eremos_52 (B1), Fozzie_51 (B1), Frankicide_52 (B1), Freya_51 (B1), Gyarad_0052 (B1), HSavage_52 (B1), Haimas_52 (B1), Hamish_52 (B1), Harvey_52 (B1), Hertubise_52 (B1), Hetaeria_52 (B1), Horchata_52 (B1), Inverness_52 (B1), KLucky39_52 (B1), KingVeVeVe_52 (B1), KlimbOn_52 (B1), Kloppinator_53 (B1), LuckyMarjie_51 (B1), Lulumae_51 (B1), Lulwa_52 (B1), Manad_52 (B1), Matalotodo_52 (B1), Mesh1_53 (B1), Mikota_52 (B1), MiniBoss_52 (B1), Murdoc_52 (B1), Newman_52 (B1), Olive_52 (B1), OliverWalter_52 (B1), Oosterbaan_52 (B1), Phareon_52 (B1), Phunky_52 (B1), Pipsqueak_52 (B1), Plmatters_52 (B1), Podrick_52 (B1), Pops_52 (B1), Riggan_52 (B1), Roscoe_53 (B1), Roy17_52 (B1), SDcharge11_53 (B1), Schadenfreude_52 (B1), Sheila_52 (B1), ShiVal_52 (B1), Soto_52 (B1), Spartan300_52 (B1), Suffolk_52 (B1), Surely_52 (B1), Thora_52 (B1), Tooj_52 (B1), UAch1_52 (B1), UncleHowie_52 (B1), Zaider_53 (B1), Zelda_52 (B1),

Start 64:

- Found in 299 of 481 (62.2%) of genes in pham
- Manual Annotations of this start: 144 of 421
- Called 55.5% of time when present

- Phage (with cluster) where this start called: 39HC_045 (B6), 40BC_045 (B6), Acadian_52 (B5), AlanGrant_50 (B4), Allegro_51 (B2), AnarQue_48 (DR), Apex_48 (B4), Arbitr_50 (B2), Ares_51 (B2), Austelle_48 (B4), Bae_53 (B5), Bananafish_51 (B2), Banjo_51 (B1), Bishoperium_51 (B1), Blocker23_51 (B2), BobbyK_47 (B4), Boyle_51 (B2), BrownCNA_49 (B4), Brownie5_51 (B2), CaiB_49 (DR), Calamitous_51 (B2), CamL_52 (B1), Cannibal_52 (B1), Carthage_50 (B1), Childish_51 (B1), Chorkpop_52 (B1), ChrisnMich_47 (B4), CloverMinnie_48 (DR), Cobra_52 (B1), Coffee_51 (B2), Cooper_48 (B4), Cosmolli16_52 (B1), DaddyDaniels_52 (B1), Daffy_52 (B1), Daka_53 (B1), Dati_52 (B1), DigitDog_52 (B5), Dingo_52 (B1), DirtJuice_52 (B1), Doddsville_52 (B1), Donny_53 (B5), Durga_53 (B1), Eaglehorse_51 (B2), EastView9101_53 (B5), Emiris_53 (B1), Etaye_52 (B1), Faze9_50 (B2), Fortunato_48 (B4), Frederick_47 (B4), FrenchFry_51 (B2), Fringe_53 (B1), Funsized_55 (B9), Glass_51 (B2), Godines_51 (B2), Haleema_51 (B1), Hangman_47 (B4), Heath_46 (B4), Hedgerow_51 (B2), Held_52 (B1), Holeinone_51 (B2), Hosp_044 (B6), Hydro_47 (B4), Imvubu_47 (B10), ItsyBitsy1_51 (B2), JAMaL_47 (B4), JDog_52 (B1), JaguarMi_49 (B4), JakeO_51 (B1), Jillium_51 (B1), Jiminy_51 (B1), Jolie1_046 (B6), Kaleb_51 (B2), KayaCho_45 (B6), Keitherie_52 (B1), Kheth_51 (B2), Kimbrough_52 (B1), Kwadwo_51 (B1), Lars_51 (B2), Lasso_52 (B1), Laurie_50 (B2), Legolas_52 (B1), Lephieur_51 (B2), LilMcDreamy_50 (B12), LizLemon_51 (B2), Lolalove_48 (B4), Lopsy_51 (B1), LostAndPhound_51 (B1), MRabcd_51 (B1), Magpie_46 (B4), MakoManhole_48 (DR), Mana_51 (B1), Maru_51 (B1), MasterPo_51 (B2), Mecca_51 (B1), MitKao_52 (B1), Mithril_47 (B4), Morgushi_52 (B1), Mosaic_51 (B1), MossRose_48 (DR), Mudslide_47 (B4), Mysterious_52 (B5), Nanao_46 (B4), Nangang_52 (B5), Nigel_47 (B4), Omniscient_52 (B1), Opia_51 (B2), Orion_53 (B1), PenguinLover67_53 (B9), Phantasmagoria_51 (B2), Phelemich_50 (B5), Pherdinand_53 (B1), Pine5_45 (singleton), Poster_46 (B4), Potter_51 (B1), Prickles_52 (B1), Prince_48 (B4), Puhltonio_52 (B1), QueenBeane_52 (B1), Qyrzula_48 (B2), RawrgerThat_48 (B4), Reprobate_51 (B5), Rhinoforte_51 (B2), Rich_52 (B5), Roliet_52 (B1), Rosebush_50 (B2), Sabella_50 (B2), Saguaro_54 (B7), Samaymay_52 (B1), SassyCat97_51 (B1), Scrick_52 (B1), Serendipitous_51 (B5), Serendipity_52 (B1), SirJeffery_51 (B5), Skippy_52 (B1), Slatt_52 (B1), Soile_52 (B1), Solosis_51 (B1), Sophia_51 (B1), Squid_52 (B1), Stinger_46 (B4), StinkyVeggy_52 (B5), TA17A_51 (B2), TPA2_58 (singleton), TallGrassMM_52 (B1), Thonko_54 (B8), Timmi_51 (B1), Tinciduntolum_52 (B2), TomBombadil_52 (B1), Tomlarah_52 (B1), Tres_51 (B2), Vaishali24_51 (B1), Valjean_52 (B1), Vaticameos_48 (B1), Veritas_51 (B1), Vincenzo_49 (B4), VioletZ_49 (B4), Vivaldi_54 (B1), Vortex_52 (B1), Waleliano_47 (B4), Wallhey_51 (B1), Weher20_52 (B1), West99_51 (B2), Wooper_49 (DR), Xavier_51 (B1), YouGoGlencoco_52 (B1), Zemanar_48 (B4),

Start 65:

- Found in 1 of 481 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BFK20_ORF41 (singleton),

Start 66:

- Found in 25 of 481 (5.2%) of genes in pham
- Manual Annotations of this start: 22 of 421
- Called 96.0% of time when present
- Phage (with cluster) where this start called: Agent47_62 (K5), AlleyCat_66 (K5), Boilgate_67 (K8), Collard_62 (K5), Dadosky_66 (K5), Edugator_63 (K5), Feyre_67 (K5), Gengar_64 (K5), Guillsminger_65 (K5), Heftyboy_65 (K5), InvictusManeo_62

(K5), Kratio_62 (K5), Larva_65 (K5), Leston_64 (K5), Miryou_69 (K5), OkiRoe_65 (K5), Omnicron_68 (K5), Paola_64 (K5), Psycho_64 (K5), Rando14_67 (K5), SoSeph_65 (K5), Thyatira_67 (K5), Waterfoul_66 (K5), Xkcd426_57 (BG),

Start 67:

- Found in 1 of 481 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 100.0% of time when present
- Phage (with cluster) where this start called: NHagos_47 (DR),

Start 68:

- Found in 13 of 481 (2.7%) of genes in pham
- Manual Annotations of this start: 10 of 421
- Called 84.6% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_54 (BG), Asis_54 (BG), BabyGotBac_55 (BG), BayC_54 (BG), BirdsNest_55 (B13), Maih_53 (BG), RainyPolka_53 (BG), Salete_54 (BG), TP1604_54 (BG), YDN12_54 (BG), Zenteno07_56 (B13),

Start 69:

- Found in 8 of 481 (1.7%) of genes in pham
- Manual Annotations of this start: 7 of 421
- Called 87.5% of time when present
- Phage (with cluster) where this start called: EmiRose_31 (singleton), Gustav_35 (CD), Morrissey_35 (CD), Puppies_33 (CD), Trine_32 (CD), Upyo_33 (CD), Widow_34 (CD),

Start 74:

- Found in 284 of 481 (59.0%) of genes in pham
- Manual Annotations of this start: 11 of 421
- Called 4.2% of time when present
- Phage (with cluster) where this start called: Basato_53 (B1), Colbert_52 (B1), Gophee_52 (B1), Jiraiya_54 (B1), Katniss_53 (B1), LeeLot_52 (B1), Mag7_51 (B1), PG1_53 (B1), Struggle_51 (B1), Trypo_53 (B1), Vista_52 (B1), Zonia_52 (B1),

Start 79:

- Found in 274 of 481 (57.0%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 0.4% of time when present
- Phage (with cluster) where this start called: ProfessorX_52 (B1),

Start 81:

- Found in 274 of 481 (57.0%) of genes in pham
- Manual Annotations of this start: 2 of 421
- Called 2.6% of time when present
- Phage (with cluster) where this start called: ABU_53 (B1), Dice_54 (B1), MrPhizzler_51 (B1), Numberten_52 (B1), Pacifista_54 (B1), Rimu_54 (B1), Schueller_52 (B1),

Start 95:

- Found in 125 of 481 (26.0%) of genes in pham
- Manual Annotations of this start: 1 of 421
- Called 0.8% of time when present

- Phage (with cluster) where this start called: Marley1013_52 (B3),

Summary by clusters:

There are 19 clusters represented in this pham: singleton, BG, B2, B8, B11, B6, CD, B4, B5, B10, B7, B12, B1, K5, B3, K8, DR, B9, B13,

Info for manual annotations of cluster B1:

- Start number 39 was manually annotated 97 times for cluster B1.
- Start number 63 was manually annotated 65 times for cluster B1.
- Start number 64 was manually annotated 71 times for cluster B1.
- Start number 74 was manually annotated 11 times for cluster B1.
- Start number 79 was manually annotated 1 time for cluster B1.
- Start number 81 was manually annotated 2 times for cluster B1.

Info for manual annotations of cluster B10:

- Start number 64 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 62 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 64 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 68 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B2:

- Start number 64 was manually annotated 32 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 39 was manually annotated 7 times for cluster B3.
- Start number 48 was manually annotated 3 times for cluster B3.
- Start number 59 was manually annotated 33 times for cluster B3.
- Start number 95 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster B4:

- Start number 64 was manually annotated 22 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 47 was manually annotated 1 time for cluster B5.
- Start number 64 was manually annotated 7 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 64 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 64 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 64 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 31 was manually annotated 1 time for cluster B9.
- Start number 42 was manually annotated 1 time for cluster B9.
- Start number 46 was manually annotated 1 time for cluster B9.
- Start number 64 was manually annotated 2 times for cluster B9.

Info for manual annotations of cluster BG:

- Start number 55 was manually annotated 1 time for cluster BG.
- Start number 66 was manually annotated 1 time for cluster BG.
- Start number 68 was manually annotated 8 times for cluster BG.

Info for manual annotations of cluster CD:

- Start number 38 was manually annotated 1 time for cluster CD.
- Start number 69 was manually annotated 6 times for cluster CD.

Info for manual annotations of cluster DR:

- Start number 61 was manually annotated 1 time for cluster DR.
- Start number 62 was manually annotated 9 times for cluster DR.
- Start number 64 was manually annotated 5 times for cluster DR.
- Start number 67 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster K5:

- Start number 66 was manually annotated 20 times for cluster K5.

Info for manual annotations of cluster K8:

- Start number 66 was manually annotated 1 time for cluster K8.

Gene Information:

Gene: 39HC_045 Start: 45303, Stop: 43558, Start Num: 64

Candidate Starts for 39HC_045:

(37, 45402), (Start: 48 @45369 has 3 MA's), (Start: 64 @45303 has 144 MA's), (100, 45084), (113, 44997), (114, 44994), (118, 44973), (128, 44913), (135, 44844), (137, 44823), (138, 44802), (141, 44784), (143, 44772), (146, 44736), (153, 44703), (157, 44670), (159, 44661), (162, 44625), (163, 44622), (166, 44601), (186, 44481), (188, 44469), (196, 44406), (199, 44394), (201, 44367), (202, 44355), (208, 44310), (209, 44307), (213, 44262), (216, 44232), (226, 44181), (232, 44133), (236, 44103), (262, 43989), (264, 43980), (265, 43971), (271, 43953), (276, 43941), (277, 43938), (284, 43914), (285, 43911), (289, 43884), (303, 43839), (306, 43830), (316, 43788), (342, 43656), (346, 43632),

Gene: 40BC_045 Start: 45303, Stop: 43558, Start Num: 64

Candidate Starts for 40BC_045:

(37, 45402), (Start: 48 @45369 has 3 MA's), (Start: 64 @45303 has 144 MA's), (100, 45084), (113, 44997), (114, 44994), (118, 44973), (128, 44913), (135, 44844), (137, 44823), (138, 44802), (141, 44784), (143, 44772), (146, 44736), (153, 44703), (157, 44670), (159, 44661), (162, 44625), (163, 44622), (166, 44601), (186, 44481), (188, 44469), (196, 44406), (199, 44394), (201, 44367), (202, 44355), (208, 44310), (209, 44307), (213, 44262), (216, 44232), (226, 44181), (232, 44133), (236, 44103), (262, 43989), (264, 43980), (265, 43971), (271, 43953), (276, 43941), (277, 43938), (284, 43914), (285, 43911), (289, 43884), (303, 43839), (306, 43830), (316, 43788), (342, 43656), (346, 43632),

Gene: ABU_53 Start: 46989, Stop: 45376, Start Num: 81

Candidate Starts for ABU_53:

(Start: 39 @47172 has 104 MA's), (Start: 64 @47079 has 144 MA's), (Start: 74 @47055 has 11 MA's), (Start: 79 @46998 has 1 MA's), (Start: 81 @46989 has 2 MA's), (96, 46899), (100, 46866), (110, 46809), (112, 46797), (114, 46773), (117, 46761), (118, 46752), (128, 46692), (137, 46602), (141, 46557), (148, 46497), (157, 46443), (163, 46395), (166, 46374), (188, 46242), (197, 46173), (199, 46167), (201, 46140), (203, 46125), (208, 46083), (213, 46035), (216, 46005), (221, 45978), (255, 45852), (257, 45846), (260, 45819), (272, 45774), (277, 45759), (279, 45753), (292, 45699), (297, 45690), (346, 45462), (355, 45426),

Gene: Abinghost_52 Start: 47147, Stop: 45450, Start Num: 59

Candidate Starts for Abinghost_52:

(Start: 59 @47147 has 33 MA's), (Start: 95 @46949 has 1 MA's), (100, 46913), (110, 46856), (118, 46799), (124, 46757), (126, 46751), (131, 46694), (136, 46667), (137, 46649), (148, 46544), (161, 46454), (163, 46442), (166, 46421), (173, 46376), (183, 46313), (194, 46229), (198, 46214), (199, 46211), (200, 46208), (201, 46184), (204, 46166), (208, 46127), (213, 46079), (216, 46049), (220, 46025), (227, 45983), (253, 45905), (259, 45878), (268, 45827), (277, 45803), (292, 45755), (307, 45716), (319, 45674), (338, 45569), (346, 45527), (349, 45512), (353, 45494),

Gene: AbsoluteMadLad_52 Start: 47183, Stop: 45480, Start Num: 63

Candidate Starts for AbsoluteMadLad_52:

(Start: 63 @47183 has 65 MA's), (Start: 74 @47159 has 11 MA's), (Start: 79 @47102 has 1 MA's), (Start: 81 @47093 has 2 MA's), (96, 47003), (100, 46970), (110, 46913), (112, 46901), (114, 46877), (117, 46865), (118, 46856), (128, 46796), (137, 46706), (141, 46661), (148, 46601), (157, 46547), (163, 46499), (166, 46478), (188, 46346), (197, 46277), (199, 46271), (201, 46244), (203, 46229), (208, 46187), (213, 46139), (216, 46109), (221, 46082), (255, 45956), (257, 45950), (260, 45923), (272, 45878), (277, 45863), (279, 45857), (292, 45803), (297, 45794), (346, 45566), (355, 45530),

Gene: Abt2graduatex2_54 Start: 44800, Stop: 46635, Start Num: 68

Candidate Starts for Abt2graduatex2_54:

(Start: 68 @44800 has 10 MA's), (82, 44881), (84, 44887), (94, 44974), (96, 44980), (103, 45034), (104, 45037), (108, 45061), (117, 45118), (121, 45154), (127, 45178), (133, 45241), (137, 45265), (139, 45292), (143, 45325), (145, 45352), (155, 45400), (174, 45550), (175, 45559), (177, 45577), (182, 45598), (185, 45619), (198, 45706), (199, 45709), (202, 45748), (208, 45793), (209, 45796), (217, 45877), (252, 46072), (263, 46144), (275, 46195), (290, 46273), (296, 46288), (314, 46366), (319, 46390), (324, 46411), (338, 46501),

Gene: Acadian_52 Start: 47834, Stop: 46140, Start Num: 64

Candidate Starts for Acadian_52:

(Start: 64 @47834 has 144 MA's), (Start: 74 @47807 has 11 MA's), (83, 47735), (100, 47618), (114, 47528), (121, 47480), (124, 47465), (128, 47447), (135, 47378), (137, 47357), (153, 47237), (157, 47204), (163, 47156), (166, 47135), (186, 47015), (196, 46940), (197, 46934), (199, 46928), (200, 46925), (201, 46901), (202, 46889), (203, 46886), (208, 46844), (216, 46766), (233, 46679), (247, 46643), (250, 46631), (255, 46610), (256, 46607), (262, 46568), (265, 46550), (271, 46532), (277, 46514), (346, 46217),

Gene: Adriana_53 Start: 47170, Stop: 45374, Start Num: 39

Candidate Starts for Adriana_53:

(Start: 39 @47170 has 104 MA's), (Start: 64 @47077 has 144 MA's), (Start: 74 @47053 has 11 MA's), (Start: 79 @46996 has 1 MA's), (Start: 81 @46987 has 2 MA's), (96, 46897), (100, 46864), (110, 46807), (112, 46795), (114, 46771), (117, 46759), (118, 46750), (128, 46690), (137, 46600), (141, 46555), (148, 46495), (163, 46393), (166, 46372), (188, 46240), (197, 46171), (199, 46165), (201, 46138), (203, 46123), (208, 46081), (213, 46033), (216, 46003), (221, 45976), (255, 45850), (257, 45844), (260, 45817), (271, 45775), (272, 45772), (277, 45757), (279, 45751), (292, 45697), (297,

45688), (346, 45460), (355, 45424),

Gene: Aelin_52 Start: 46747, Stop: 45044, Start Num: 63

Candidate Starts for Aelin_52:

(Start: 63 @46747 has 65 MA's), (Start: 74 @46723 has 11 MA's), (Start: 79 @46666 has 1 MA's), (Start: 81 @46657 has 2 MA's), (96, 46567), (100, 46534), (110, 46477), (112, 46465), (114, 46441), (117, 46429), (118, 46420), (128, 46360), (137, 46270), (141, 46225), (148, 46165), (163, 46063), (166, 46042), (188, 45910), (197, 45841), (199, 45835), (201, 45808), (203, 45793), (208, 45751), (213, 45703), (216, 45673), (221, 45646), (255, 45520), (257, 45514), (260, 45487), (272, 45442), (277, 45427), (279, 45421), (292, 45367), (297, 45358), (346, 45130), (355, 45094),

Gene: Agent47_62 Start: 44063, Stop: 45775, Start Num: 66

Candidate Starts for Agent47_62:

(Start: 66 @44063 has 22 MA's), (84, 44156), (88, 44198), (Start: 95 @44234 has 1 MA's), (96, 44237), (99, 44261), (100, 44270), (107, 44309), (110, 44327), (118, 44384), (121, 44411), (122, 44414), (130, 44477), (137, 44537), (140, 44567), (141, 44576), (151, 44651), (152, 44654), (159, 44699), (161, 44726), (162, 44735), (163, 44738), (171, 44804), (172, 44807), (173, 44810), (175, 44825), (176, 44840), (186, 44885), (188, 44897), (200, 44975), (201, 44999), (202, 45011), (203, 45014), (204, 45017), (206, 45038), (208, 45056), (213, 45104), (219, 45143), (222, 45164), (243, 45248), (254, 45290), (259, 45314), (265, 45359), (266, 45362), (276, 45395), (283, 45419), (294, 45473), (297, 45479), (302, 45503), (333, 45620), (337, 45662), (341, 45686),

Gene: Akoma_52 Start: 47260, Stop: 45461, Start Num: 39

Candidate Starts for Akoma_52:

(17, 47446), (19, 47425), (24, 47350), (Start: 39 @47260 has 104 MA's), (45, 47236), (Start: 48 @47230 has 3 MA's), (49, 47227), (Start: 59 @47158 has 33 MA's), (Start: 95 @46960 has 1 MA's), (100, 46924), (110, 46867), (118, 46810), (124, 46768), (126, 46762), (131, 46705), (136, 46678), (137, 46660), (148, 46555), (161, 46465), (163, 46453), (166, 46432), (173, 46387), (183, 46324), (194, 46240), (198, 46225), (199, 46222), (200, 46219), (201, 46195), (204, 46177), (208, 46138), (213, 46090), (216, 46060), (220, 46036), (227, 45994), (253, 45916), (259, 45889), (268, 45838), (277, 45814), (292, 45766), (307, 45727), (319, 45685), (338, 45580), (346, 45538), (349, 45523),

Gene: AlanGrant_50 Start: 48162, Stop: 46462, Start Num: 64

Candidate Starts for AlanGrant_50:

(6, 48621), (11, 48567), (Start: 64 @48162 has 144 MA's), (75, 48114), (97, 47970), (100, 47940), (110, 47883), (112, 47871), (117, 47835), (135, 47697), (137, 47676), (153, 47556), (157, 47523), (163, 47475), (167, 47451), (170, 47436), (188, 47322), (196, 47259), (199, 47247), (201, 47220), (202, 47208), (203, 47205), (208, 47163), (213, 47115), (216, 47085), (224, 47043), (226, 47034), (249, 46962), (250, 46959), (255, 46938), (261, 46902), (262, 46896), (265, 46878), (271, 46860), (276, 46845), (285, 46815), (322, 46662), (343, 46554), (346, 46539), (359, 46488),

Gene: Allegro_51 Start: 46564, Stop: 44852, Start Num: 64

Candidate Starts for Allegro_51:

(10, 46993), (12, 46957), (14, 46885), (16, 46870), (20, 46819), (Start: 64 @46564 has 144 MA's), (70, 46552), (94, 46381), (Start: 95 @46378 has 1 MA's), (100, 46342), (101, 46330), (103, 46321), (110, 46285), (111, 46282), (114, 46249), (124, 46186), (137, 46078), (141, 46039), (153, 45958), (157, 45925), (159, 45916), (163, 45877), (166, 45856), (167, 45853), (173, 45811), (175, 45796), (176, 45781), (183, 45751), (188, 45724), (192, 45676), (198, 45652), (199, 45649), (201, 45622), (202, 45610), (204, 45604), (208, 45565), (213, 45517), (216, 45487), (217, 45481), (226, 45436), (239, 45361), (243, 45349), (249, 45325), (250, 45322), (254, 45307), (265, 45241), (277, 45208), (301, 45130), (312, 45100), (313, 45097), (316, 45085), (324, 45046), (338, 44968), (339, 44965), (346, 44926), (362, 44860),

Gene: AlleyCat_66 Start: 44390, Stop: 46105, Start Num: 66

Candidate Starts for AlleyCat_66:

(Start: 66 @44390 has 22 MA's), (84, 44483), (88, 44525), (Start: 95 @44561 has 1 MA's), (96, 44564), (99, 44588), (100, 44597), (107, 44636), (110, 44654), (118, 44711), (121, 44738), (122, 44741), (130, 44804), (137, 44864), (140, 44894), (141, 44903), (151, 44978), (152, 44981), (161, 45053), (162, 45062), (163, 45065), (171, 45131), (172, 45134), (173, 45137), (175, 45152), (176, 45167), (179, 45182), (186, 45212), (188, 45224), (201, 45326), (202, 45338), (203, 45341), (204, 45344), (206, 45365), (208, 45383), (213, 45431), (218, 45464), (222, 45491), (254, 45620), (259, 45644), (265, 45689), (266, 45692), (276, 45725), (283, 45749), (294, 45803), (297, 45809), (302, 45833), (333, 45950), (335, 45965), (337, 45992), (341, 46016),

Gene: AltPhacts_53 Start: 47255, Stop: 45453, Start Num: 39

Candidate Starts for AltPhacts_53:

(Start: 39 @47255 has 104 MA's), (Start: 64 @47159 has 144 MA's), (Start: 74 @47135 has 11 MA's), (Start: 79 @47078 has 1 MA's), (Start: 81 @47069 has 2 MA's), (96, 46979), (100, 46946), (110, 46889), (112, 46877), (114, 46853), (117, 46841), (118, 46832), (128, 46772), (137, 46682), (141, 46637), (148, 46577), (157, 46523), (163, 46475), (166, 46454), (188, 46322), (197, 46253), (199, 46247), (201, 46220), (203, 46205), (208, 46163), (213, 46115), (216, 46085), (221, 46058), (255, 45932), (257, 45926), (260, 45899), (272, 45854), (277, 45839), (279, 45833), (292, 45779), (297, 45770), (346, 45539), (355, 45503),

Gene: Altwerkus_51 Start: 46635, Stop: 44932, Start Num: 63

Candidate Starts for Altwerkus_51:

(Start: 63 @46635 has 65 MA's), (Start: 74 @46611 has 11 MA's), (Start: 79 @46554 has 1 MA's), (Start: 81 @46545 has 2 MA's), (96, 46455), (100, 46422), (110, 46365), (112, 46353), (114, 46329), (117, 46317), (118, 46308), (128, 46248), (137, 46158), (141, 46113), (148, 46053), (157, 45999), (163, 45951), (166, 45930), (188, 45798), (197, 45729), (199, 45723), (201, 45696), (203, 45681), (208, 45639), (213, 45591), (216, 45561), (221, 45534), (255, 45408), (257, 45402), (260, 45375), (272, 45330), (277, 45315), (279, 45309), (292, 45255), (297, 45246), (346, 45018), (355, 44982),

Gene: AnClar_46 Start: 42409, Stop: 40748, Start Num: 62

Candidate Starts for AnClar_46:

(Start: 62 @42409 has 10 MA's), (78, 42343), (84, 42301), (Start: 95 @42223 has 1 MA's), (96, 42220), (100, 42187), (110, 42130), (135, 41944), (137, 41923), (153, 41803), (163, 41722), (166, 41701), (170, 41683), (171, 41662), (173, 41656), (189, 41563), (198, 41497), (199, 41494), (201, 41467), (203, 41452), (208, 41410), (216, 41332), (225, 41284), (288, 41050), (293, 41041), (315, 40981), (316, 40978), (324, 40939), (340, 40855), (346, 40819),

Gene: AnarQue_48 Start: 41995, Stop: 40328, Start Num: 64

Candidate Starts for AnarQue_48:

(Start: 64 @41995 has 144 MA's), (84, 41890), (87, 41860), (94, 41815), (Start: 95 @41812 has 1 MA's), (100, 41776), (101, 41764), (135, 41530), (137, 41509), (148, 41407), (162, 41308), (163, 41305), (168, 41272), (186, 41164), (197, 41083), (198, 41080), (199, 41077), (201, 41050), (202, 41038), (203, 41035), (208, 40993), (216, 40915), (218, 40906), (224, 40873), (255, 40765), (256, 40762), (265, 40705), (276, 40675), (277, 40672), (325, 40522), (346, 40405), (364, 40339),

Gene: Anderson_52 Start: 47027, Stop: 45231, Start Num: 39

Candidate Starts for Anderson_52:

(Start: 39 @47027 has 104 MA's), (Start: 64 @46934 has 144 MA's), (Start: 74 @46910 has 11 MA's), (Start: 79 @46853 has 1 MA's), (Start: 81 @46844 has 2 MA's), (96, 46754), (100, 46721), (110, 46664), (112, 46652), (114, 46628), (117, 46616), (118, 46607), (128, 46547), (137, 46457), (141, 46412), (148, 46352), (157, 46298), (163, 46250), (166, 46229), (188, 46097), (197, 46028), (199, 46022), (201, 45995), (203, 45980), (208, 45938), (213, 45890), (216, 45860), (221, 45833), (255,

45707), (257, 45701), (260, 45674), (272, 45629), (277, 45614), (279, 45608), (292, 45554), (297, 45545), (346, 45317), (355, 45281),

Gene: Andre_55 Start: 47164, Stop: 45368, Start Num: 39

Candidate Starts for Andre_55:

(Start: 39 @47164 has 104 MA's), (Start: 64 @47071 has 144 MA's), (Start: 74 @47047 has 11 MA's), (Start: 79 @46990 has 1 MA's), (Start: 81 @46981 has 2 MA's), (96, 46891), (100, 46858), (110, 46801), (112, 46789), (114, 46765), (117, 46753), (118, 46744), (128, 46684), (137, 46594), (141, 46549), (148, 46489), (157, 46435), (163, 46387), (166, 46366), (188, 46234), (197, 46165), (199, 46159), (201, 46132), (203, 46117), (208, 46075), (213, 46027), (216, 45997), (221, 45970), (255, 45844), (257, 45838), (260, 45811), (272, 45766), (277, 45751), (279, 45745), (292, 45691), (297, 45682), (346, 45454), (355, 45418),

Gene: Antonia_52 Start: 46747, Stop: 45044, Start Num: 63

Candidate Starts for Antonia_52:

(Start: 63 @46747 has 65 MA's), (Start: 74 @46723 has 11 MA's), (Start: 79 @46666 has 1 MA's), (Start: 81 @46657 has 2 MA's), (96, 46567), (100, 46534), (110, 46477), (112, 46465), (114, 46441), (117, 46429), (118, 46420), (128, 46360), (137, 46270), (141, 46225), (148, 46165), (163, 46063), (166, 46042), (188, 45910), (197, 45841), (199, 45835), (201, 45808), (203, 45793), (208, 45751), (213, 45703), (216, 45673), (221, 45646), (255, 45520), (257, 45514), (260, 45487), (272, 45442), (277, 45427), (279, 45421), (292, 45367), (297, 45358), (346, 45130), (355, 45094),

Gene: Apex_48 Start: 47628, Stop: 45916, Start Num: 64

Candidate Starts for Apex_48:

(Start: 64 @47628 has 144 MA's), (94, 47445), (100, 47406), (103, 47385), (114, 47316), (128, 47235), (135, 47166), (137, 47145), (148, 47046), (153, 47025), (157, 46992), (159, 46983), (162, 46947), (163, 46944), (167, 46920), (184, 46809), (186, 46803), (188, 46791), (197, 46722), (199, 46716), (201, 46689), (202, 46677), (203, 46674), (208, 46632), (213, 46584), (216, 46554), (250, 46419), (254, 46404), (255, 46398), (256, 46395), (261, 46362), (262, 46356), (264, 46347), (271, 46320), (276, 46305), (277, 46302), (281, 46293), (285, 46275), (289, 46248), (297, 46227), (322, 46116), (346, 45993), (356, 45954), (359, 45942),

Gene: Apizium_52 Start: 46832, Stop: 45129, Start Num: 63

Candidate Starts for Apizium_52:

(Start: 63 @46832 has 65 MA's), (Start: 74 @46808 has 11 MA's), (Start: 79 @46751 has 1 MA's), (Start: 81 @46742 has 2 MA's), (96, 46652), (100, 46619), (110, 46562), (112, 46550), (114, 46526), (117, 46514), (118, 46505), (128, 46445), (137, 46355), (141, 46310), (148, 46250), (157, 46196), (163, 46148), (166, 46127), (188, 45995), (197, 45926), (199, 45920), (201, 45893), (203, 45878), (208, 45836), (213, 45788), (216, 45758), (221, 45731), (255, 45605), (257, 45599), (260, 45572), (271, 45530), (272, 45527), (277, 45512), (279, 45506), (292, 45452), (297, 45443), (346, 45215), (355, 45179),

Gene: Arbitr_50 Start: 46670, Stop: 44955, Start Num: 64

Candidate Starts for Arbitr_50:

(10, 47099), (12, 47063), (14, 46991), (20, 46925), (Start: 64 @46670 has 144 MA's), (70, 46658), (94, 46487), (Start: 95 @46484 has 1 MA's), (100, 46448), (101, 46436), (103, 46427), (110, 46391), (111, 46388), (114, 46355), (124, 46292), (137, 46184), (141, 46145), (153, 46064), (157, 46031), (159, 46022), (163, 45983), (166, 45962), (167, 45959), (173, 45917), (175, 45902), (176, 45887), (183, 45857), (188, 45830), (192, 45782), (198, 45758), (199, 45755), (201, 45728), (202, 45716), (204, 45710), (208, 45671), (213, 45623), (216, 45593), (217, 45587), (226, 45542), (239, 45467), (243, 45455), (249, 45428), (250, 45425), (254, 45410), (265, 45344), (277, 45311), (301, 45233), (312, 45203), (313, 45200), (316, 45188), (324, 45149), (338, 45071), (346, 45029), (362, 44963),

Gene: Ares_51 Start: 46639, Stop: 44924, Start Num: 64

Candidate Starts for Ares_51:

(10, 47068), (12, 47032), (14, 46960), (16, 46945), (20, 46894), (Start: 64 @46639 has 144 MA's), (70, 46627), (94, 46456), (Start: 95 @46453 has 1 MA's), (100, 46417), (101, 46405), (103, 46396), (110, 46360), (111, 46357), (114, 46324), (124, 46261), (137, 46153), (141, 46114), (153, 46033), (157, 46000), (159, 45991), (163, 45952), (166, 45931), (167, 45928), (173, 45886), (175, 45871), (176, 45856), (183, 45826), (188, 45799), (192, 45751), (198, 45727), (199, 45724), (201, 45697), (202, 45685), (204, 45679), (208, 45640), (213, 45592), (216, 45562), (217, 45556), (226, 45511), (239, 45436), (243, 45424), (249, 45397), (250, 45394), (254, 45379), (265, 45313), (277, 45280), (301, 45202), (312, 45172), (313, 45169), (316, 45157), (324, 45118), (338, 45040), (339, 45037), (346, 44998), (362, 44932),

Gene: Ashraf_52 Start: 46729, Stop: 44933, Start Num: 39

Candidate Starts for Ashraf_52:

(Start: 39 @46729 has 104 MA's), (Start: 64 @46636 has 144 MA's), (Start: 74 @46612 has 11 MA's), (Start: 79 @46555 has 1 MA's), (Start: 81 @46546 has 2 MA's), (96, 46456), (100, 46423), (110, 46366), (112, 46354), (114, 46330), (117, 46318), (118, 46309), (128, 46249), (137, 46159), (141, 46114), (148, 46054), (157, 46000), (163, 45952), (166, 45931), (188, 45799), (197, 45730), (199, 45724), (201, 45697), (203, 45682), (208, 45640), (213, 45592), (216, 45562), (221, 45535), (255, 45409), (257, 45403), (260, 45376), (272, 45331), (277, 45316), (279, 45310), (292, 45256), (297, 45247), (346, 45019), (355, 44983),

Gene: Asis_54 Start: 44643, Stop: 46481, Start Num: 68

Candidate Starts for Asis_54:

(Start: 68 @44643 has 10 MA's), (78, 44688), (82, 44724), (84, 44730), (86, 44757), (94, 44817), (103, 44877), (114, 44949), (115, 44952), (117, 44961), (121, 44997), (127, 45021), (130, 45063), (133, 45084), (137, 45108), (139, 45135), (143, 45168), (145, 45195), (155, 45243), (158, 45273), (174, 45393), (175, 45402), (177, 45420), (181, 45438), (198, 45549), (199, 45552), (202, 45591), (208, 45636), (209, 45639), (219, 45729), (269, 46011), (275, 46038), (314, 46212), (321, 46248), (326, 46263), (342, 46365), (351, 46413), (354, 46422),

Gene: Athena_54 Start: 47905, Stop: 46208, Start Num: 59

Candidate Starts for Athena_54:

(Start: 59 @47905 has 33 MA's), (Start: 95 @47707 has 1 MA's), (100, 47671), (110, 47614), (118, 47557), (124, 47515), (126, 47509), (131, 47452), (136, 47425), (137, 47407), (148, 47302), (161, 47212), (163, 47200), (166, 47179), (173, 47134), (183, 47071), (194, 46987), (198, 46972), (199, 46969), (200, 46966), (201, 46942), (204, 46924), (208, 46885), (213, 46837), (216, 46807), (220, 46783), (227, 46741), (253, 46663), (259, 46636), (268, 46585), (277, 46561), (292, 46513), (307, 46474), (319, 46432), (338, 46327), (346, 46285), (349, 46270),

Gene: Audrey_52 Start: 47153, Stop: 45456, Start Num: 59

Candidate Starts for Audrey_52:

(Start: 59 @47153 has 33 MA's), (Start: 95 @46955 has 1 MA's), (100, 46919), (110, 46862), (118, 46805), (124, 46763), (126, 46757), (131, 46700), (136, 46673), (137, 46655), (148, 46550), (161, 46460), (163, 46448), (166, 46427), (173, 46382), (183, 46319), (194, 46235), (198, 46220), (199, 46217), (200, 46214), (201, 46190), (204, 46172), (208, 46133), (213, 46085), (216, 46055), (220, 46031), (227, 45989), (253, 45911), (259, 45884), (268, 45833), (277, 45809), (307, 45722), (319, 45680), (338, 45575), (341, 45560), (346, 45533), (349, 45518),

Gene: Austelle_48 Start: 48078, Stop: 46366, Start Num: 64

Candidate Starts for Austelle_48:

(Start: 64 @48078 has 144 MA's), (94, 47895), (100, 47856), (103, 47835), (114, 47766), (128, 47685), (135, 47616), (137, 47595), (148, 47496), (153, 47475), (157, 47442), (159, 47433), (162,

47397), (163, 47394), (167, 47370), (184, 47259), (186, 47253), (188, 47241), (197, 47172), (199, 47166), (201, 47139), (202, 47127), (203, 47124), (208, 47082), (213, 47034), (216, 47004), (250, 46869), (254, 46854), (255, 46848), (256, 46845), (261, 46812), (262, 46806), (264, 46797), (271, 46770), (276, 46755), (277, 46752), (281, 46743), (285, 46725), (289, 46698), (297, 46677), (322, 46566), (346, 46443),

Gene: Axumite_46 Start: 40113, Stop: 38449, Start Num: 62

Candidate Starts for Axumite_46:

(37, 40215), (Start: 61 @40116 has 1 MA's), (Start: 62 @40113 has 10 MA's), (93, 39939), (94, 39933), (96, 39927), (100, 39894), (101, 39882), (110, 39837), (135, 39651), (137, 39630), (148, 39531), (153, 39510), (157, 39477), (163, 39429), (171, 39369), (196, 39213), (198, 39204), (201, 39174), (203, 39159), (208, 39117), (213, 39069), (216, 39039), (218, 39030), (277, 38796), (288, 38757), (293, 38748), (316, 38685), (340, 38562), (346, 38526), (364, 38460),

Gene: BFK20_ORF41 Start: 32249, Stop: 30636, Start Num: 65

Candidate Starts for BFK20_ORF41:

(65, 32249), (Start: 68 @32243 has 10 MA's), (76, 32204), (84, 32156), (94, 32081), (96, 32075), (100, 32042), (102, 32024), (103, 32021), (110, 31985), (119, 31925), (125, 31883), (127, 31877), (128, 31868), (163, 31592), (164, 31589), (171, 31532), (175, 31511), (186, 31451), (196, 31376), (199, 31364), (203, 31322), (207, 31295), (208, 31280), (209, 31277), (213, 31232), (216, 31202), (217, 31196), (218, 31193), (255, 31073), (256, 31070), (276, 30992), (279, 30983), (317, 30860), (328, 30809), (331, 30803), (360, 30656),

Gene: BabyGotBac_55 Start: 44649, Stop: 46487, Start Num: 68

Candidate Starts for BabyGotBac_55:

(Start: 68 @44649 has 10 MA's), (78, 44694), (82, 44730), (84, 44736), (86, 44763), (94, 44823), (103, 44883), (114, 44955), (115, 44958), (117, 44967), (121, 45003), (127, 45027), (130, 45069), (133, 45090), (137, 45114), (139, 45141), (143, 45174), (145, 45201), (155, 45249), (158, 45279), (174, 45399), (175, 45408), (177, 45426), (181, 45444), (198, 45555), (199, 45558), (202, 45597), (208, 45642), (209, 45645), (219, 45735), (269, 46017), (275, 46044), (314, 46218), (321, 46254), (326, 46269), (342, 46371), (351, 46419), (354, 46428),

Gene: Badfish_53 Start: 47195, Stop: 45399, Start Num: 39

Candidate Starts for Badfish_53:

(Start: 39 @47195 has 104 MA's), (Start: 64 @47102 has 144 MA's), (Start: 74 @47078 has 11 MA's), (Start: 79 @47021 has 1 MA's), (Start: 81 @47012 has 2 MA's), (96, 46922), (100, 46889), (110, 46832), (112, 46820), (114, 46796), (117, 46784), (118, 46775), (128, 46715), (137, 46625), (141, 46580), (148, 46520), (157, 46466), (163, 46418), (166, 46397), (188, 46265), (197, 46196), (199, 46190), (201, 46163), (203, 46148), (208, 46106), (213, 46058), (216, 46028), (221, 46001), (255, 45875), (257, 45869), (260, 45842), (271, 45800), (272, 45797), (277, 45782), (279, 45776), (292, 45722), (297, 45713), (346, 45485), (355, 45449),

Gene: Bae_53 Start: 49105, Stop: 47411, Start Num: 64

Candidate Starts for Bae_53:

(Start: 64 @49105 has 144 MA's), (Start: 74 @49078 has 11 MA's), (84, 49003), (98, 48901), (100, 48889), (114, 48799), (124, 48736), (128, 48718), (135, 48649), (137, 48628), (153, 48508), (157, 48475), (163, 48427), (166, 48406), (186, 48286), (191, 48250), (196, 48211), (197, 48205), (199, 48199), (200, 48196), (201, 48172), (202, 48160), (203, 48157), (208, 48115), (213, 48067), (216, 48037), (238, 47941), (247, 47914), (250, 47902), (255, 47881), (256, 47878), (262, 47839), (271, 47803), (277, 47785), (330, 47584), (346, 47488),

Gene: Baloo_52 Start: 47156, Stop: 45459, Start Num: 59

Candidate Starts for Baloo_52:

(Start: 59 @47156 has 33 MA's), (Start: 95 @46958 has 1 MA's), (100, 46922), (110, 46865), (118, 46808), (124, 46766), (126, 46760), (131, 46703), (136, 46676), (137, 46658), (148, 46553), (161, 46463), (163, 46451), (166, 46430), (173, 46385), (183, 46322), (194, 46238), (198, 46223), (199, 46220), (200, 46217), (201, 46193), (204, 46175), (208, 46136), (213, 46088), (216, 46058), (220, 46034), (227, 45992), (253, 45914), (259, 45887), (268, 45836), (277, 45812), (307, 45725), (319, 45683), (338, 45578), (341, 45563), (346, 45536), (349, 45521),

Gene: Bananafish_51 Start: 46573, Stop: 44858, Start Num: 64

Candidate Starts for Bananafish_51:

(10, 47002), (12, 46966), (14, 46894), (20, 46828), (Start: 64 @46573 has 144 MA's), (70, 46561), (94, 46390), (Start: 95 @46387 has 1 MA's), (100, 46351), (101, 46339), (103, 46330), (110, 46294), (111, 46291), (114, 46258), (124, 46195), (137, 46087), (141, 46048), (153, 45967), (157, 45934), (159, 45925), (163, 45886), (166, 45865), (167, 45862), (173, 45820), (175, 45805), (176, 45790), (183, 45760), (188, 45733), (192, 45685), (198, 45661), (199, 45658), (201, 45631), (202, 45619), (204, 45613), (208, 45574), (213, 45526), (216, 45496), (217, 45490), (226, 45445), (239, 45370), (243, 45358), (249, 45331), (250, 45328), (254, 45313), (265, 45247), (277, 45214), (301, 45136), (312, 45106), (313, 45103), (316, 45091), (324, 45052), (338, 44974), (339, 44971), (346, 44932), (362, 44866),

Gene: Banjo_51 Start: 46633, Stop: 44930, Start Num: 64

Candidate Starts for Banjo_51:

(Start: 64 @46633 has 144 MA's), (Start: 74 @46609 has 11 MA's), (Start: 79 @46552 has 1 MA's), (Start: 81 @46543 has 2 MA's), (96, 46453), (100, 46420), (110, 46363), (112, 46351), (114, 46327), (117, 46315), (118, 46306), (128, 46246), (137, 46156), (141, 46111), (148, 46051), (157, 45997), (163, 45949), (166, 45928), (188, 45796), (197, 45727), (199, 45721), (201, 45694), (203, 45679), (208, 45637), (213, 45589), (216, 45559), (221, 45532), (255, 45406), (257, 45400), (260, 45373), (271, 45331), (272, 45328), (277, 45313), (279, 45307), (292, 45253), (297, 45244), (346, 45016), (355, 44980),

Gene: Basato_53 Start: 47191, Stop: 45512, Start Num: 74

Candidate Starts for Basato_53:

(Start: 63 @47215 has 65 MA's), (Start: 74 @47191 has 11 MA's), (Start: 79 @47134 has 1 MA's), (Start: 81 @47125 has 2 MA's), (96, 47035), (100, 47002), (110, 46945), (112, 46933), (114, 46909), (117, 46897), (118, 46888), (128, 46828), (137, 46738), (141, 46693), (148, 46633), (157, 46579), (163, 46531), (166, 46510), (188, 46378), (197, 46309), (199, 46303), (201, 46276), (203, 46261), (208, 46219), (213, 46171), (216, 46141), (221, 46114), (255, 45988), (257, 45982), (260, 45955), (272, 45910), (277, 45895), (279, 45889), (292, 45835), (297, 45826), (346, 45598), (355, 45562),

Gene: BatteryCK_51 Start: 46669, Stop: 44873, Start Num: 39

Candidate Starts for BatteryCK_51:

(Start: 39 @46669 has 104 MA's), (Start: 64 @46576 has 144 MA's), (Start: 74 @46552 has 11 MA's), (Start: 79 @46495 has 1 MA's), (Start: 81 @46486 has 2 MA's), (96, 46396), (100, 46363), (110, 46306), (112, 46294), (114, 46270), (117, 46258), (118, 46249), (128, 46189), (137, 46099), (141, 46054), (148, 45994), (157, 45940), (163, 45892), (166, 45871), (188, 45739), (197, 45670), (199, 45664), (201, 45637), (203, 45622), (208, 45580), (213, 45532), (216, 45502), (221, 45475), (255, 45349), (257, 45343), (260, 45316), (272, 45271), (277, 45256), (279, 45250), (292, 45196), (297, 45187), (346, 44959), (355, 44923),

Gene: BayC_54 Start: 44647, Stop: 46485, Start Num: 68

Candidate Starts for BayC_54:

(Start: 68 @44647 has 10 MA's), (78, 44692), (82, 44728), (84, 44734), (86, 44761), (94, 44821), (103, 44881), (114, 44953), (115, 44956), (117, 44965), (121, 45001), (127, 45025), (130, 45067), (133, 45088), (137, 45112), (139, 45139), (143, 45172), (145, 45199), (155, 45247), (158, 45277), (174,

45397), (175, 45406), (177, 45424), (181, 45442), (198, 45553), (199, 45556), (202, 45595), (208, 45640), (209, 45643), (219, 45733), (269, 46015), (275, 46042), (314, 46216), (321, 46252), (326, 46267), (342, 46369), (351, 46417), (354, 46426),

Gene: Beaglebox_51 Start: 46747, Stop: 44951, Start Num: 39

Candidate Starts for Beaglebox_51:

(Start: 39 @46747 has 104 MA's), (Start: 64 @46654 has 144 MA's), (Start: 74 @46630 has 11 MA's), (Start: 79 @46573 has 1 MA's), (Start: 81 @46564 has 2 MA's), (96, 46474), (100, 46441), (110, 46384), (112, 46372), (114, 46348), (117, 46336), (118, 46327), (128, 46267), (137, 46177), (141, 46132), (148, 46072), (157, 46018), (163, 45970), (166, 45949), (188, 45817), (197, 45748), (199, 45742), (201, 45715), (203, 45700), (208, 45658), (213, 45610), (216, 45580), (221, 45553), (255, 45427), (257, 45421), (260, 45394), (271, 45352), (272, 45349), (277, 45334), (279, 45328), (292, 45274), (297, 45265), (346, 45037), (355, 45001),

Gene: Ben11_52 Start: 47438, Stop: 45741, Start Num: 59

Candidate Starts for Ben11_52:

(Start: 59 @47438 has 33 MA's), (Start: 95 @47240 has 1 MA's), (100, 47204), (110, 47147), (118, 47090), (124, 47048), (126, 47042), (131, 46985), (136, 46958), (137, 46940), (148, 46835), (161, 46745), (163, 46733), (166, 46712), (173, 46667), (183, 46604), (194, 46520), (198, 46505), (199, 46502), (200, 46499), (201, 46475), (204, 46457), (208, 46418), (213, 46370), (216, 46340), (220, 46316), (227, 46274), (253, 46196), (259, 46169), (268, 46118), (277, 46094), (307, 46007), (319, 45965), (338, 45860), (346, 45818), (349, 45803),

Gene: Bernardo_53 Start: 47686, Stop: 45887, Start Num: 39

Candidate Starts for Bernardo_53:

(3, 48169), (4, 48112), (5, 48046), (8, 48031), (9, 48013), (17, 47872), (19, 47851), (24, 47776), (Start: 39 @47686 has 104 MA's), (45, 47662), (Start: 48 @47656 has 3 MA's), (49, 47653), (Start: 59 @47584 has 33 MA's), (Start: 95 @47386 has 1 MA's), (100, 47350), (110, 47293), (118, 47236), (124, 47194), (126, 47188), (131, 47131), (136, 47104), (137, 47086), (148, 46981), (161, 46891), (163, 46879), (166, 46858), (173, 46813), (183, 46750), (194, 46666), (198, 46651), (199, 46648), (200, 46645), (201, 46621), (204, 46603), (208, 46564), (213, 46516), (216, 46486), (220, 46462), (227, 46420), (253, 46342), (259, 46315), (268, 46264), (277, 46240), (292, 46192), (307, 46153), (319, 46111), (338, 46006), (346, 45964), (349, 45949),

Gene: BiggityBass_45 Start: 41882, Stop: 40221, Start Num: 62

Candidate Starts for BiggityBass_45:

(Start: 62 @41882 has 10 MA's), (78, 41816), (84, 41774), (Start: 95 @41696 has 1 MA's), (96, 41693), (100, 41660), (110, 41603), (135, 41417), (137, 41396), (151, 41282), (153, 41276), (157, 41243), (158, 41237), (163, 41195), (166, 41174), (170, 41156), (171, 41135), (189, 41036), (198, 40970), (201, 40940), (203, 40925), (208, 40883), (213, 40835), (216, 40805), (225, 40757), (255, 40655), (262, 40613), (276, 40565), (277, 40562), (288, 40523), (293, 40514), (316, 40451), (340, 40328), (346, 40292),

Gene: BirdsNest_55 Start: 46706, Stop: 44940, Start Num: 68

Candidate Starts for BirdsNest_55:

(Start: 68 @46706 has 10 MA's), (96, 46526), (100, 46493), (110, 46436), (135, 46250), (137, 46229), (141, 46190), (149, 46127), (153, 46109), (163, 46028), (186, 45887), (199, 45800), (201, 45773), (202, 45761), (203, 45758), (208, 45716), (213, 45668), (216, 45638), (221, 45611), (226, 45587), (251, 45449), (255, 45434), (270, 45359), (299, 45251), (310, 45224), (311, 45215), (316, 45197), (325, 45155), (346, 45041), (359, 44990),

Gene: Bishoperium_51 Start: 46648, Stop: 44945, Start Num: 64

Candidate Starts for Bishoperium_51:

(Start: 39 @46741 has 104 MA's), (Start: 64 @46648 has 144 MA's), (Start: 74 @46624 has 11 MA's), (Start: 79 @46567 has 1 MA's), (Start: 81 @46558 has 2 MA's), (96, 46468), (100, 46435), (110, 46378), (112, 46366), (114, 46342), (117, 46330), (118, 46321), (128, 46261), (137, 46171), (141, 46126), (148, 46066), (157, 46012), (163, 45964), (166, 45943), (188, 45811), (197, 45742), (199, 45736), (201, 45709), (203, 45694), (208, 45652), (213, 45604), (216, 45574), (221, 45547), (255, 45421), (257, 45415), (260, 45388), (272, 45343), (277, 45328), (279, 45322), (292, 45268), (297, 45259), (346, 45031), (355, 44995),

Gene: BlackStallion_53 Start: 47201, Stop: 45405, Start Num: 39

Candidate Starts for BlackStallion_53:

(Start: 39 @47201 has 104 MA's), (Start: 64 @47108 has 144 MA's), (Start: 74 @47084 has 11 MA's), (Start: 79 @47027 has 1 MA's), (Start: 81 @47018 has 2 MA's), (96, 46928), (100, 46895), (110, 46838), (112, 46826), (114, 46802), (117, 46790), (118, 46781), (128, 46721), (137, 46631), (141, 46586), (148, 46526), (163, 46424), (166, 46403), (188, 46271), (197, 46202), (199, 46196), (201, 46169), (203, 46154), (208, 46112), (213, 46064), (216, 46034), (221, 46007), (255, 45881), (257, 45875), (260, 45848), (271, 45806), (272, 45803), (277, 45788), (279, 45782), (292, 45728), (297, 45719), (346, 45491), (355, 45455),

Gene: Blocker23_51 Start: 46691, Stop: 44976, Start Num: 64

Candidate Starts for Blocker23_51:

(28, 46853), (51, 46757), (53, 46751), (Start: 64 @46691 has 144 MA's), (70, 46679), (94, 46508), (Start: 95 @46505 has 1 MA's), (100, 46469), (101, 46457), (103, 46448), (110, 46412), (111, 46409), (114, 46376), (124, 46313), (137, 46205), (141, 46166), (153, 46085), (157, 46052), (159, 46043), (163, 46004), (166, 45983), (167, 45980), (173, 45938), (175, 45923), (176, 45908), (183, 45878), (188, 45851), (192, 45803), (198, 45779), (199, 45776), (201, 45749), (202, 45737), (204, 45731), (208, 45692), (213, 45644), (216, 45614), (217, 45608), (226, 45563), (239, 45488), (243, 45476), (249, 45449), (250, 45446), (254, 45431), (265, 45365), (277, 45332), (301, 45254), (312, 45224), (313, 45221), (316, 45209), (324, 45170), (338, 45092), (346, 45050), (362, 44984),

Gene: BlueHusk_52 Start: 46547, Stop: 44751, Start Num: 39

Candidate Starts for BlueHusk_52:

(Start: 39 @46547 has 104 MA's), (Start: 64 @46454 has 144 MA's), (Start: 74 @46430 has 11 MA's), (Start: 79 @46373 has 1 MA's), (Start: 81 @46364 has 2 MA's), (96, 46274), (100, 46241), (110, 46184), (112, 46172), (114, 46148), (117, 46136), (118, 46127), (128, 46067), (137, 45977), (141, 45932), (148, 45872), (163, 45770), (166, 45749), (188, 45617), (197, 45548), (199, 45542), (201, 45515), (203, 45500), (208, 45458), (213, 45410), (216, 45380), (221, 45353), (255, 45227), (257, 45221), (260, 45194), (272, 45149), (277, 45134), (279, 45128), (292, 45074), (297, 45065), (346, 44837), (355, 44801),

Gene: Bluephacebaby_51 Start: 46744, Stop: 44948, Start Num: 39

Candidate Starts for Bluephacebaby_51:

(Start: 39 @46744 has 104 MA's), (Start: 64 @46651 has 144 MA's), (Start: 74 @46627 has 11 MA's), (Start: 79 @46570 has 1 MA's), (Start: 81 @46561 has 2 MA's), (96, 46471), (100, 46438), (110, 46381), (112, 46369), (114, 46345), (117, 46333), (118, 46324), (128, 46264), (137, 46174), (141, 46129), (148, 46069), (157, 46015), (163, 45967), (166, 45946), (188, 45814), (197, 45745), (199, 45739), (201, 45712), (203, 45697), (208, 45655), (213, 45607), (216, 45577), (221, 45550), (255, 45424), (257, 45418), (260, 45391), (272, 45346), (277, 45331), (279, 45325), (292, 45271), (297, 45262), (346, 45034), (355, 44998),

Gene: BobbyK_47 Start: 47417, Stop: 45708, Start Num: 64

Candidate Starts for BobbyK_47:

(Start: 64 @47417 has 144 MA's), (94, 47234), (100, 47195), (103, 47174), (114, 47105), (128, 47024), (135, 46955), (137, 46934), (148, 46835), (153, 46814), (157, 46781), (159, 46772), (163,

46733), (167, 46709), (184, 46598), (186, 46592), (188, 46580), (197, 46511), (199, 46505), (201, 46478), (202, 46466), (203, 46463), (208, 46421), (213, 46373), (216, 46343), (226, 46292), (250, 46211), (254, 46196), (255, 46190), (256, 46187), (261, 46154), (262, 46148), (264, 46139), (271, 46112), (276, 46097), (277, 46094), (281, 46085), (285, 46067), (289, 46040), (297, 46019), (322, 45908), (346, 45785), (356, 45746), (359, 45734),

Gene: Boehler_52 Start: 46924, Stop: 45254, Start Num: 63

Candidate Starts for Boehler_52:

(Start: 63 @46924 has 65 MA's), (Start: 79 @46876 has 1 MA's), (Start: 81 @46867 has 2 MA's), (96, 46777), (100, 46744), (110, 46687), (112, 46675), (114, 46651), (117, 46639), (118, 46630), (128, 46570), (137, 46480), (141, 46435), (148, 46375), (163, 46273), (166, 46252), (188, 46120), (197, 46051), (199, 46045), (201, 46018), (203, 46003), (208, 45961), (213, 45913), (216, 45883), (221, 45856), (255, 45730), (257, 45724), (260, 45697), (271, 45655), (272, 45652), (277, 45637), (279, 45631), (292, 45577), (297, 45568), (346, 45340), (355, 45304),

Gene: Boilgate_67 Start: 49300, Stop: 50931, Start Num: 66

Candidate Starts for Boilgate_67:

(Start: 66 @49300 has 22 MA's), (85, 49399), (94, 49471), (100, 49510), (137, 49774), (147, 49870), (151, 49888), (163, 49975), (177, 50074), (178, 50083), (188, 50128), (193, 50179), (195, 50188), (199, 50203), (201, 50230), (203, 50245), (204, 50248), (208, 50287), (213, 50335), (219, 50374), (220, 50383), (222, 50395), (240, 50449), (254, 50485), (255, 50491), (282, 50602), (302, 50695), (304, 50698), (308, 50716), (333, 50818), (338, 50869), (347, 50920), (348, 50923),

Gene: Boyle_51 Start: 46706, Stop: 44991, Start Num: 64

Candidate Starts for Boyle_51:

(10, 47135), (12, 47099), (14, 47027), (16, 47012), (20, 46961), (Start: 64 @46706 has 144 MA's), (70, 46694), (94, 46523), (Start: 95 @46520 has 1 MA's), (100, 46484), (101, 46472), (103, 46463), (110, 46427), (111, 46424), (114, 46391), (124, 46328), (137, 46220), (141, 46181), (153, 46100), (157, 46067), (159, 46058), (163, 46019), (166, 45998), (167, 45995), (173, 45953), (175, 45938), (176, 45923), (183, 45893), (188, 45866), (192, 45818), (198, 45794), (199, 45791), (201, 45764), (202, 45752), (204, 45746), (208, 45707), (213, 45659), (216, 45629), (217, 45623), (226, 45578), (239, 45503), (243, 45491), (249, 45464), (250, 45461), (254, 45446), (265, 45380), (277, 45347), (301, 45269), (312, 45239), (313, 45236), (316, 45224), (324, 45185), (338, 45107), (346, 45065), (362, 44999),

Gene: Briakila_52 Start: 47609, Stop: 45912, Start Num: 59

Candidate Starts for Briakila_52:

(Start: 59 @47609 has 33 MA's), (Start: 95 @47411 has 1 MA's), (100, 47375), (110, 47318), (118, 47261), (124, 47219), (126, 47213), (131, 47156), (136, 47129), (137, 47111), (148, 47006), (161, 46916), (163, 46904), (166, 46883), (173, 46838), (183, 46775), (194, 46691), (198, 46676), (199, 46673), (200, 46670), (201, 46646), (204, 46628), (208, 46589), (213, 46541), (216, 46511), (220, 46487), (227, 46445), (253, 46367), (259, 46340), (265, 46298), (268, 46289), (277, 46265), (307, 46178), (319, 46136), (338, 46031), (346, 45989), (349, 45974), (353, 45956),

Gene: Brilliant_52 Start: 46743, Stop: 44947, Start Num: 39

Candidate Starts for Brilliant_52:

(Start: 39 @46743 has 104 MA's), (Start: 64 @46650 has 144 MA's), (Start: 74 @46626 has 11 MA's), (Start: 79 @46569 has 1 MA's), (Start: 81 @46560 has 2 MA's), (96, 46470), (100, 46437), (110, 46380), (112, 46368), (114, 46344), (117, 46332), (118, 46323), (128, 46263), (137, 46173), (141, 46128), (148, 46068), (157, 46014), (163, 45966), (166, 45945), (188, 45813), (197, 45744), (199, 45738), (201, 45711), (203, 45696), (208, 45654), (213, 45606), (216, 45576), (221, 45549), (255, 45423), (257, 45417), (260, 45390), (272, 45345), (277, 45330), (279, 45324), (292, 45270), (297, 45261), (346, 45033), (355, 44997),

Gene: BrownCNA_49 Start: 47699, Stop: 45987, Start Num: 64

Candidate Starts for BrownCNA_49:

(Start: 64 @47699 has 144 MA's), (94, 47516), (100, 47477), (103, 47456), (114, 47387), (128, 47306), (135, 47237), (137, 47216), (148, 47117), (153, 47096), (157, 47063), (159, 47054), (162, 47018), (163, 47015), (167, 46991), (184, 46880), (186, 46874), (188, 46862), (197, 46793), (199, 46787), (201, 46760), (202, 46748), (203, 46745), (204, 46742), (208, 46703), (213, 46655), (216, 46625), (226, 46574), (250, 46490), (254, 46475), (255, 46469), (256, 46466), (261, 46433), (262, 46427), (264, 46418), (271, 46391), (276, 46376), (277, 46373), (281, 46364), (285, 46346), (289, 46319), (297, 46298), (322, 46187), (343, 46079), (346, 46064), (356, 46025),

Gene: Brownie5_51 Start: 46722, Stop: 45007, Start Num: 64

Candidate Starts for Brownie5_51:

(10, 47151), (12, 47115), (14, 47043), (16, 47028), (20, 46977), (Start: 64 @46722 has 144 MA's), (70, 46710), (94, 46539), (Start: 95 @46536 has 1 MA's), (100, 46500), (101, 46488), (103, 46479), (110, 46443), (111, 46440), (114, 46407), (124, 46344), (137, 46236), (141, 46197), (153, 46116), (157, 46083), (159, 46074), (163, 46035), (166, 46014), (167, 46011), (173, 45969), (175, 45954), (176, 45939), (183, 45909), (188, 45882), (192, 45834), (198, 45810), (199, 45807), (201, 45780), (202, 45768), (204, 45762), (208, 45723), (213, 45675), (216, 45645), (217, 45639), (226, 45594), (239, 45519), (243, 45507), (249, 45480), (250, 45477), (254, 45462), (265, 45396), (277, 45363), (301, 45285), (312, 45255), (313, 45252), (316, 45240), (324, 45201), (338, 45123), (346, 45081), (362, 45015),

Gene: Buckeye_52 Start: 46971, Stop: 45268, Start Num: 63

Candidate Starts for Buckeye_52:

(13, 47304), (15, 47277), (Start: 63 @46971 has 65 MA's), (Start: 74 @46947 has 11 MA's), (Start: 79 @46890 has 1 MA's), (Start: 81 @46881 has 2 MA's), (96, 46791), (100, 46758), (110, 46701), (112, 46689), (114, 46665), (117, 46653), (118, 46644), (128, 46584), (137, 46494), (141, 46449), (148, 46389), (157, 46335), (163, 46287), (166, 46266), (188, 46134), (197, 46065), (199, 46059), (201, 46032), (203, 46017), (208, 45975), (213, 45927), (216, 45897), (221, 45870), (255, 45744), (257, 45738), (260, 45711), (272, 45666), (277, 45651), (279, 45645), (292, 45591), (297, 45582), (346, 45354), (355, 45318),

Gene: Burr_51 Start: 46738, Stop: 44942, Start Num: 39

Candidate Starts for Burr_51:

(Start: 39 @46738 has 104 MA's), (Start: 64 @46645 has 144 MA's), (Start: 74 @46621 has 11 MA's), (Start: 79 @46564 has 1 MA's), (Start: 81 @46555 has 2 MA's), (96, 46465), (100, 46432), (110, 46375), (112, 46363), (114, 46339), (117, 46327), (118, 46318), (128, 46258), (137, 46168), (141, 46123), (148, 46063), (157, 46009), (163, 45961), (166, 45940), (188, 45808), (197, 45739), (199, 45733), (201, 45706), (203, 45691), (208, 45649), (213, 45601), (216, 45571), (221, 45544), (255, 45418), (257, 45412), (260, 45385), (272, 45340), (277, 45325), (279, 45319), (292, 45265), (297, 45256), (346, 45028), (355, 44992),

Gene: CRB2_54 Start: 50445, Stop: 48658, Start Num: 42

Candidate Starts for CRB2_54:

(Start: 42 @50445 has 1 MA's), (Start: 64 @50361 has 144 MA's), (84, 50259), (87, 50229), (Start: 95 @50181 has 1 MA's), (100, 50145), (103, 50124), (110, 50088), (114, 50052), (135, 49902), (137, 49881), (138, 49860), (157, 49728), (162, 49683), (163, 49680), (167, 49656), (175, 49599), (186, 49539), (188, 49527), (199, 49452), (201, 49425), (202, 49413), (203, 49410), (208, 49368), (213, 49320), (216, 49290), (231, 49212), (250, 49161), (255, 49140), (265, 49080), (271, 49062), (277, 49044), (325, 48849), (346, 48735), (359, 48684),

Gene: CaiB_49 Start: 42838, Stop: 41174, Start Num: 64

Candidate Starts for CaiB_49:

(Start: 64 @42838 has 144 MA's), (84, 42733), (87, 42703), (94, 42658), (Start: 95 @42655 has 1 MA's), (100, 42619), (101, 42607), (135, 42373), (137, 42352), (148, 42250), (162, 42151), (163, 42148), (168, 42115), (186, 42007), (197, 41926), (198, 41923), (199, 41920), (201, 41893), (202, 41881), (203, 41878), (208, 41836), (216, 41758), (218, 41749), (224, 41716), (248, 41638), (255, 41608), (256, 41605), (265, 41548), (276, 41518), (277, 41515), (325, 41365), (346, 41248), (364, 41182),

Gene: Calamitous_51 Start: 46572, Stop: 44857, Start Num: 64

Candidate Starts for Calamitous_51:

(10, 47001), (12, 46965), (14, 46893), (20, 46827), (Start: 64 @46572 has 144 MA's), (70, 46560), (94, 46389), (Start: 95 @46386 has 1 MA's), (100, 46350), (101, 46338), (103, 46329), (110, 46293), (111, 46290), (114, 46257), (124, 46194), (137, 46086), (141, 46047), (153, 45966), (157, 45933), (159, 45924), (163, 45885), (166, 45864), (167, 45861), (173, 45819), (175, 45804), (176, 45789), (183, 45759), (188, 45732), (192, 45684), (198, 45660), (199, 45657), (201, 45630), (202, 45618), (204, 45612), (208, 45573), (213, 45525), (216, 45495), (217, 45489), (226, 45444), (239, 45369), (243, 45357), (249, 45330), (250, 45327), (254, 45312), (265, 45246), (277, 45213), (301, 45135), (312, 45105), (313, 45102), (316, 45090), (324, 45051), (338, 44973), (339, 44970), (346, 44931), (362, 44865),

Gene: CamL_52 Start: 46940, Stop: 45237, Start Num: 64

Candidate Starts for CamL_52:

(Start: 64 @46940 has 144 MA's), (Start: 74 @46916 has 11 MA's), (Start: 79 @46859 has 1 MA's), (Start: 81 @46850 has 2 MA's), (96, 46760), (100, 46727), (110, 46670), (112, 46658), (114, 46634), (117, 46622), (118, 46613), (128, 46553), (137, 46463), (141, 46418), (148, 46358), (157, 46304), (163, 46256), (166, 46235), (188, 46103), (197, 46034), (199, 46028), (201, 46001), (203, 45986), (208, 45944), (213, 45896), (216, 45866), (221, 45839), (255, 45713), (257, 45707), (260, 45680), (271, 45638), (272, 45635), (277, 45620), (279, 45614), (292, 45560), (297, 45551), (346, 45323), (355, 45287),

Gene: CampRoach_53 Start: 47168, Stop: 45372, Start Num: 39

Candidate Starts for CampRoach_53:

(Start: 39 @47168 has 104 MA's), (Start: 64 @47075 has 144 MA's), (Start: 74 @47051 has 11 MA's), (Start: 79 @46994 has 1 MA's), (Start: 81 @46985 has 2 MA's), (96, 46895), (100, 46862), (110, 46805), (112, 46793), (114, 46769), (117, 46757), (118, 46748), (128, 46688), (137, 46598), (141, 46553), (148, 46493), (157, 46439), (163, 46391), (166, 46370), (188, 46238), (197, 46169), (199, 46163), (201, 46136), (203, 46121), (208, 46079), (213, 46031), (216, 46001), (221, 45974), (255, 45848), (257, 45842), (260, 45815), (272, 45770), (277, 45755), (279, 45749), (292, 45695), (297, 45686), (346, 45458), (355, 45422),

Gene: Cannibal_52 Start: 46923, Stop: 45220, Start Num: 64

Candidate Starts for Cannibal_52:

(Start: 64 @46923 has 144 MA's), (Start: 74 @46899 has 11 MA's), (Start: 79 @46842 has 1 MA's), (Start: 81 @46833 has 2 MA's), (96, 46743), (100, 46710), (110, 46653), (112, 46641), (114, 46617), (117, 46605), (118, 46596), (128, 46536), (137, 46446), (141, 46401), (148, 46341), (157, 46287), (163, 46239), (166, 46218), (188, 46086), (197, 46017), (199, 46011), (201, 45984), (203, 45969), (208, 45927), (213, 45879), (216, 45849), (221, 45822), (255, 45696), (257, 45690), (260, 45663), (271, 45621), (272, 45618), (277, 45603), (279, 45597), (292, 45543), (297, 45534), (346, 45306), (355, 45270),

Gene: Carthage_50 Start: 45870, Stop: 44167, Start Num: 64

Candidate Starts for Carthage_50:

(Start: 64 @45870 has 144 MA's), (Start: 74 @45846 has 11 MA's), (Start: 79 @45789 has 1 MA's), (Start: 81 @45780 has 2 MA's), (96, 45690), (100, 45657), (110, 45600), (112, 45588), (114, 45564), (117, 45552), (118, 45543), (128, 45483), (137, 45393), (141, 45348), (148, 45288), (157, 45234), (163, 45186), (166, 45165), (188, 45033), (197, 44964), (199, 44958), (201, 44931), (203, 44916), (208, 44874), (213, 44826), (216, 44796), (221, 44769), (255, 44643), (257, 44637), (260, 44610), (272, 44565), (277, 44550), (279, 44544), (292, 44490), (297, 44481), (346, 44253), (355, 44217),

Gene: Casbah_52 Start: 47468, Stop: 45771, Start Num: 59

Candidate Starts for Casbah_52:

(Start: 59 @47468 has 33 MA's), (Start: 95 @47270 has 1 MA's), (100, 47234), (110, 47177), (118, 47120), (124, 47078), (126, 47072), (131, 47015), (136, 46988), (137, 46970), (148, 46865), (161, 46775), (163, 46763), (166, 46742), (173, 46697), (183, 46634), (194, 46550), (198, 46535), (199, 46532), (200, 46529), (201, 46505), (204, 46487), (208, 46448), (213, 46400), (216, 46370), (220, 46346), (227, 46304), (253, 46226), (259, 46199), (268, 46148), (277, 46124), (307, 46037), (319, 45995), (338, 45890), (346, 45848), (349, 45833),

Gene: ChaChing_52 Start: 47170, Stop: 45473, Start Num: 59

Candidate Starts for ChaChing_52:

(Start: 59 @47170 has 33 MA's), (Start: 95 @46972 has 1 MA's), (100, 46936), (110, 46879), (118, 46822), (124, 46780), (126, 46774), (131, 46717), (136, 46690), (137, 46672), (148, 46567), (161, 46477), (163, 46465), (166, 46444), (173, 46399), (183, 46336), (194, 46252), (198, 46237), (199, 46234), (200, 46231), (201, 46207), (204, 46189), (208, 46150), (213, 46102), (216, 46072), (220, 46048), (227, 46006), (253, 45928), (259, 45901), (268, 45850), (277, 45826), (292, 45778), (307, 45739), (319, 45697), (338, 45592), (346, 45550), (349, 45535),

Gene: Chaelin_52 Start: 46739, Stop: 44943, Start Num: 39

Candidate Starts for Chaelin_52:

(Start: 39 @46739 has 104 MA's), (Start: 64 @46646 has 144 MA's), (Start: 74 @46622 has 11 MA's), (Start: 79 @46565 has 1 MA's), (Start: 81 @46556 has 2 MA's), (96, 46466), (100, 46433), (110, 46376), (112, 46364), (114, 46340), (117, 46328), (118, 46319), (128, 46259), (137, 46169), (141, 46124), (148, 46064), (157, 46010), (163, 45962), (166, 45941), (188, 45809), (197, 45740), (199, 45734), (201, 45707), (203, 45692), (208, 45650), (213, 45602), (216, 45572), (221, 45545), (255, 45419), (257, 45413), (260, 45386), (272, 45341), (277, 45326), (279, 45320), (292, 45266), (297, 45257), (346, 45029), (355, 44993),

Gene: Chah_54 Start: 47194, Stop: 45398, Start Num: 39

Candidate Starts for Chah_54:

(Start: 39 @47194 has 104 MA's), (Start: 64 @47101 has 144 MA's), (Start: 74 @47077 has 11 MA's), (Start: 79 @47020 has 1 MA's), (Start: 81 @47011 has 2 MA's), (96, 46921), (100, 46888), (110, 46831), (112, 46819), (114, 46795), (117, 46783), (118, 46774), (128, 46714), (137, 46624), (141, 46579), (148, 46519), (163, 46417), (166, 46396), (188, 46264), (197, 46195), (199, 46189), (201, 46162), (203, 46147), (208, 46105), (213, 46057), (216, 46027), (221, 46000), (255, 45874), (257, 45868), (260, 45841), (271, 45799), (272, 45796), (277, 45781), (279, 45775), (292, 45721), (297, 45712), (346, 45484), (355, 45448),

Gene: Chandler_52 Start: 48039, Stop: 46240, Start Num: 39

Candidate Starts for Chandler_52:

(17, 48225), (19, 48204), (24, 48129), (Start: 39 @48039 has 104 MA's), (45, 48015), (Start: 48 @48009 has 3 MA's), (49, 48006), (Start: 59 @47937 has 33 MA's), (Start: 95 @47739 has 1 MA's), (100, 47703), (110, 47646), (118, 47589), (124, 47547), (126, 47541), (131, 47484), (136, 47457), (137, 47439), (148, 47334), (161, 47244), (163, 47232), (166, 47211), (173, 47166), (183, 47103), (194, 47019), (198, 47004), (199, 47001), (200, 46998), (201, 46974), (204, 46956), (208, 46917), (213, 46869), (216, 46839), (220, 46815), (227, 46773), (253, 46695), (259, 46668), (268, 46617),

(277, 46593), (292, 46545), (307, 46506), (319, 46464), (338, 46359), (346, 46317), (349, 46302),

Gene: Charles1_52 Start: 47024, Stop: 45228, Start Num: 39

Candidate Starts for Charles1_52:

(Start: 39 @47024 has 104 MA's), (Start: 64 @46931 has 144 MA's), (Start: 74 @46907 has 11 MA's), (Start: 79 @46850 has 1 MA's), (Start: 81 @46841 has 2 MA's), (96, 46751), (100, 46718), (110, 46661), (112, 46649), (114, 46625), (117, 46613), (118, 46604), (128, 46544), (137, 46454), (141, 46409), (148, 46349), (157, 46295), (163, 46247), (166, 46226), (188, 46094), (197, 46025), (199, 46019), (201, 45992), (203, 45977), (208, 45935), (213, 45887), (216, 45857), (221, 45830), (255, 45704), (257, 45698), (260, 45671), (272, 45626), (277, 45611), (279, 45605), (292, 45551), (297, 45542), (346, 45314), (355, 45278),

Gene: CharlieGBrown_51 Start: 46614, Stop: 44818, Start Num: 39

Candidate Starts for CharlieGBrown_51:

(Start: 39 @46614 has 104 MA's), (Start: 64 @46521 has 144 MA's), (Start: 74 @46497 has 11 MA's), (Start: 79 @46440 has 1 MA's), (Start: 81 @46431 has 2 MA's), (96, 46341), (100, 46308), (110, 46251), (112, 46239), (114, 46215), (117, 46203), (118, 46194), (128, 46134), (137, 46044), (141, 45999), (148, 45939), (157, 45885), (163, 45837), (166, 45816), (188, 45684), (197, 45615), (199, 45609), (201, 45582), (203, 45567), (208, 45525), (213, 45477), (216, 45447), (221, 45420), (255, 45294), (257, 45288), (260, 45261), (272, 45216), (277, 45201), (279, 45195), (292, 45141), (297, 45132), (346, 44904), (355, 44868),

Gene: CharlottesWeb_45 Start: 39483, Stop: 37816, Start Num: 62

Candidate Starts for CharlottesWeb_45:

(Start: 61 @39486 has 1 MA's), (Start: 62 @39483 has 10 MA's), (78, 39420), (96, 39297), (97, 39294), (100, 39264), (101, 39252), (110, 39207), (124, 39108), (135, 39018), (137, 38997), (148, 38898), (153, 38877), (157, 38844), (163, 38796), (167, 38772), (171, 38736), (176, 38700), (196, 38580), (198, 38571), (201, 38541), (203, 38526), (208, 38484), (213, 38436), (216, 38406), (225, 38358), (247, 38289), (249, 38280), (255, 38256), (277, 38163), (288, 38124), (314, 38058), (316, 38052), (327, 38001), (334, 37974), (340, 37929), (346, 37893), (364, 37827),

Gene: CheetO_52 Start: 46963, Stop: 45260, Start Num: 63

Candidate Starts for CheetO_52:

(Start: 63 @46963 has 65 MA's), (Start: 74 @46939 has 11 MA's), (Start: 79 @46882 has 1 MA's), (Start: 81 @46873 has 2 MA's), (96, 46783), (100, 46750), (110, 46693), (112, 46681), (114, 46657), (117, 46645), (118, 46636), (128, 46576), (137, 46486), (141, 46441), (148, 46381), (157, 46327), (163, 46279), (166, 46258), (188, 46126), (197, 46057), (199, 46051), (201, 46024), (203, 46009), (208, 45967), (213, 45919), (216, 45889), (221, 45862), (255, 45736), (257, 45730), (260, 45703), (272, 45658), (277, 45643), (279, 45637), (292, 45583), (297, 45574), (346, 45346), (355, 45310),

Gene: Cher_51 Start: 46761, Stop: 44965, Start Num: 39

Candidate Starts for Cher_51:

(Start: 39 @46761 has 104 MA's), (Start: 64 @46668 has 144 MA's), (Start: 74 @46644 has 11 MA's), (Start: 79 @46587 has 1 MA's), (Start: 81 @46578 has 2 MA's), (96, 46488), (100, 46455), (110, 46398), (112, 46386), (114, 46362), (117, 46350), (118, 46341), (128, 46281), (137, 46191), (141, 46146), (148, 46086), (157, 46032), (163, 45984), (166, 45963), (188, 45831), (197, 45762), (199, 45756), (201, 45729), (203, 45714), (208, 45672), (213, 45624), (216, 45594), (221, 45567), (255, 45441), (257, 45435), (260, 45408), (272, 45363), (277, 45348), (279, 45342), (292, 45288), (297, 45279), (346, 45051), (355, 45015),

Gene: Childish_51 Start: 46671, Stop: 44968, Start Num: 64

Candidate Starts for Childish_51:

(Start: 64 @46671 has 144 MA's), (Start: 74 @46647 has 11 MA's), (Start: 79 @46590 has 1 MA's), (Start: 81 @46581 has 2 MA's), (96, 46491), (100, 46458), (110, 46401), (112, 46389), (114, 46365), (117, 46353), (118, 46344), (128, 46284), (137, 46194), (141, 46149), (148, 46089), (157, 46035), (163, 45987), (166, 45966), (188, 45834), (197, 45765), (199, 45759), (201, 45732), (203, 45717), (208, 45675), (213, 45627), (216, 45597), (221, 45570), (255, 45444), (257, 45438), (260, 45411), (272, 45366), (277, 45351), (279, 45345), (292, 45291), (297, 45282), (346, 45054), (355, 45018),

Gene: Chorkpop_52 Start: 46679, Stop: 44976, Start Num: 64

Candidate Starts for Chorkpop_52:

(Start: 64 @46679 has 144 MA's), (Start: 74 @46655 has 11 MA's), (Start: 79 @46598 has 1 MA's), (Start: 81 @46589 has 2 MA's), (96, 46499), (100, 46466), (110, 46409), (112, 46397), (114, 46373), (117, 46361), (118, 46352), (128, 46292), (137, 46202), (141, 46157), (148, 46097), (163, 45995), (166, 45974), (188, 45842), (197, 45773), (199, 45767), (201, 45740), (203, 45725), (208, 45683), (213, 45635), (216, 45605), (221, 45578), (255, 45452), (257, 45446), (260, 45419), (271, 45377), (272, 45374), (277, 45359), (279, 45353), (292, 45299), (297, 45290), (346, 45062), (355, 45026),

Gene: ChrisnMich_47 Start: 46389, Stop: 44674, Start Num: 64

Candidate Starts for ChrisnMich_47:

(Start: 64 @46389 has 144 MA's), (97, 46197), (100, 46167), (103, 46146), (110, 46110), (114, 46074), (116, 46065), (135, 45924), (137, 45903), (138, 45882), (148, 45804), (153, 45783), (157, 45750), (159, 45741), (162, 45705), (163, 45702), (167, 45678), (186, 45561), (188, 45549), (191, 45525), (197, 45480), (199, 45474), (201, 45447), (202, 45435), (203, 45432), (208, 45390), (213, 45342), (216, 45312), (226, 45261), (239, 45213), (250, 45177), (255, 45156), (256, 45153), (262, 45114), (271, 45078), (276, 45063), (277, 45060), (281, 45051), (285, 45033), (289, 45006), (297, 44985), (322, 44874), (346, 44751),

Gene: Chunky_52 Start: 46967, Stop: 45264, Start Num: 63

Candidate Starts for Chunky_52:

(Start: 63 @46967 has 65 MA's), (Start: 74 @46943 has 11 MA's), (Start: 79 @46886 has 1 MA's), (Start: 81 @46877 has 2 MA's), (96, 46787), (100, 46754), (110, 46697), (112, 46685), (114, 46661), (117, 46649), (118, 46640), (128, 46580), (137, 46490), (141, 46445), (148, 46385), (163, 46283), (166, 46262), (188, 46130), (197, 46061), (199, 46055), (201, 46028), (203, 46013), (208, 45971), (213, 45923), (216, 45893), (221, 45866), (255, 45740), (257, 45734), (260, 45707), (272, 45662), (277, 45647), (279, 45641), (292, 45587), (297, 45578), (346, 45350), (355, 45314),

Gene: Chute_51 Start: 47085, Stop: 45289, Start Num: 39

Candidate Starts for Chute_51:

(Start: 39 @47085 has 104 MA's), (Start: 64 @46992 has 144 MA's), (Start: 74 @46968 has 11 MA's), (Start: 79 @46911 has 1 MA's), (Start: 81 @46902 has 2 MA's), (96, 46812), (100, 46779), (110, 46722), (112, 46710), (114, 46686), (117, 46674), (118, 46665), (128, 46605), (137, 46515), (141, 46470), (148, 46410), (157, 46356), (163, 46308), (166, 46287), (188, 46155), (197, 46086), (199, 46080), (201, 46053), (203, 46038), (208, 45996), (213, 45948), (216, 45918), (221, 45891), (255, 45765), (257, 45759), (260, 45732), (272, 45687), (277, 45672), (279, 45666), (292, 45612), (297, 45603), (346, 45375), (355, 45339),

Gene: CloverMinnie_48 Start: 41921, Stop: 40254, Start Num: 64

Candidate Starts for CloverMinnie_48:

(Start: 64 @41921 has 144 MA's), (84, 41816), (87, 41786), (Start: 95 @41738 has 1 MA's), (100, 41702), (101, 41690), (135, 41456), (137, 41435), (148, 41333), (162, 41234), (163, 41231), (168, 41198), (186, 41090), (197, 41009), (198, 41006), (199, 41003), (201, 40976), (202, 40964), (203, 40961), (208, 40919), (216, 40841), (218, 40832), (224, 40799), (248, 40721), (255, 40691), (256, 40688), (265, 40631), (276, 40601), (277, 40598), (325, 40448), (346, 40331), (364, 40265),

Gene: Cobra_52 Start: 46952, Stop: 45249, Start Num: 64

Candidate Starts for Cobra_52:

(23, 47150), (25, 47144), (Start: 64 @46952 has 144 MA's), (Start: 74 @46928 has 11 MA's), (Start: 79 @46871 has 1 MA's), (Start: 81 @46862 has 2 MA's), (96, 46772), (100, 46739), (110, 46682), (112, 46670), (114, 46646), (117, 46634), (118, 46625), (128, 46565), (137, 46475), (141, 46430), (148, 46370), (163, 46268), (166, 46247), (188, 46115), (197, 46046), (199, 46040), (201, 46013), (203, 45998), (208, 45956), (213, 45908), (216, 45878), (221, 45851), (255, 45725), (257, 45719), (260, 45692), (272, 45647), (277, 45632), (279, 45626), (292, 45572), (297, 45563), (346, 45335), (355, 45299),

Gene: Coffee_51 Start: 46681, Stop: 44966, Start Num: 64

Candidate Starts for Coffee_51:

(10, 47110), (12, 47074), (14, 47002), (16, 46987), (20, 46936), (Start: 64 @46681 has 144 MA's), (70, 46669), (94, 46498), (Start: 95 @46495 has 1 MA's), (100, 46459), (101, 46447), (103, 46438), (110, 46402), (111, 46399), (114, 46366), (124, 46303), (137, 46195), (141, 46156), (153, 46075), (157, 46042), (159, 46033), (163, 45994), (166, 45973), (167, 45970), (173, 45928), (175, 45913), (176, 45898), (183, 45868), (188, 45841), (192, 45793), (198, 45769), (199, 45766), (201, 45739), (202, 45727), (204, 45721), (208, 45682), (213, 45634), (216, 45604), (217, 45598), (226, 45553), (239, 45478), (243, 45466), (249, 45439), (250, 45436), (254, 45421), (265, 45355), (277, 45322), (301, 45244), (312, 45214), (313, 45211), (316, 45199), (324, 45160), (338, 45082), (339, 45079), (346, 45040), (362, 44974),

Gene: Colbert_52 Start: 46995, Stop: 45316, Start Num: 74

Candidate Starts for Colbert_52:

(Start: 63 @47019 has 65 MA's), (Start: 74 @46995 has 11 MA's), (Start: 79 @46938 has 1 MA's), (Start: 81 @46929 has 2 MA's), (96, 46839), (100, 46806), (110, 46749), (112, 46737), (114, 46713), (117, 46701), (118, 46692), (128, 46632), (137, 46542), (141, 46497), (148, 46437), (163, 46335), (166, 46314), (188, 46182), (197, 46113), (199, 46107), (201, 46080), (203, 46065), (208, 46023), (213, 45975), (216, 45945), (221, 45918), (255, 45792), (257, 45786), (260, 45759), (271, 45717), (272, 45714), (277, 45699), (279, 45693), (292, 45639), (297, 45630), (346, 45402), (355, 45366),

Gene: Coletti_51 Start: 47085, Stop: 45289, Start Num: 39

Candidate Starts for Coletti_51:

(Start: 39 @47085 has 104 MA's), (Start: 64 @46992 has 144 MA's), (Start: 74 @46968 has 11 MA's), (Start: 79 @46911 has 1 MA's), (Start: 81 @46902 has 2 MA's), (96, 46812), (100, 46779), (110, 46722), (112, 46710), (114, 46686), (117, 46674), (118, 46665), (128, 46605), (137, 46515), (141, 46470), (148, 46410), (157, 46356), (163, 46308), (166, 46287), (188, 46155), (197, 46086), (199, 46080), (201, 46053), (203, 46038), (208, 45996), (213, 45948), (216, 45918), (221, 45891), (255, 45765), (257, 45759), (260, 45732), (272, 45687), (277, 45672), (279, 45666), (292, 45612), (297, 45603), (346, 45375), (355, 45339),

Gene: Collard_62 Start: 44024, Stop: 45736, Start Num: 66

Candidate Starts for Collard_62:

(Start: 66 @44024 has 22 MA's), (84, 44117), (88, 44159), (Start: 95 @44195 has 1 MA's), (96, 44198), (99, 44222), (100, 44231), (107, 44270), (110, 44288), (118, 44345), (121, 44372), (122, 44375), (130, 44438), (137, 44498), (140, 44528), (141, 44537), (151, 44612), (152, 44615), (159, 44660), (161, 44687), (162, 44696), (163, 44699), (171, 44765), (172, 44768), (173, 44771), (175, 44786), (176, 44801), (186, 44846), (188, 44858), (200, 44936), (201, 44960), (202, 44972), (203, 44975), (204, 44978), (206, 44999), (208, 45017), (213, 45065), (219, 45104), (222, 45125), (243, 45209), (254, 45251), (259, 45275), (265, 45320), (266, 45323), (276, 45356), (283, 45380), (294, 45434), (297, 45440), (302, 45464), (333, 45581), (337, 45623), (341, 45647),

Gene: Compostia_52 Start: 47657, Stop: 45888, Start Num: 48

Candidate Starts for Compostia_52:

(3, 48170), (4, 48113), (5, 48047), (9, 48014), (17, 47873), (19, 47852), (24, 47777), (Start: 39 @47687 has 104 MA's), (45, 47663), (Start: 48 @47657 has 3 MA's), (49, 47654), (Start: 59 @47585 has 33 MA's), (Start: 95 @47387 has 1 MA's), (100, 47351), (110, 47294), (118, 47237), (124, 47195), (126, 47189), (131, 47132), (136, 47105), (137, 47087), (148, 46982), (161, 46892), (163, 46880), (166, 46859), (173, 46814), (183, 46751), (194, 46667), (198, 46652), (199, 46649), (200, 46646), (201, 46622), (204, 46604), (208, 46565), (213, 46517), (216, 46487), (220, 46463), (227, 46421), (253, 46343), (259, 46316), (268, 46265), (277, 46241), (292, 46193), (307, 46154), (319, 46112), (338, 46007), (346, 45965), (349, 45950),

Gene: Cooper_48 Start: 46597, Stop: 44885, Start Num: 64

Candidate Starts for Cooper_48:

(Start: 64 @46597 has 144 MA's), (94, 46414), (Start: 95 @46411 has 1 MA's), (100, 46375), (110, 46318), (112, 46306), (114, 46282), (128, 46201), (135, 46132), (137, 46111), (138, 46090), (148, 46012), (157, 45958), (163, 45910), (167, 45886), (186, 45769), (188, 45757), (191, 45733), (197, 45688), (199, 45682), (201, 45655), (202, 45643), (203, 45640), (208, 45598), (213, 45550), (216, 45520), (226, 45469), (249, 45388), (250, 45385), (254, 45370), (255, 45364), (256, 45361), (261, 45328), (262, 45322), (264, 45313), (271, 45286), (276, 45271), (277, 45268), (281, 45259), (285, 45241), (289, 45214), (297, 45193), (322, 45082), (343, 44974), (346, 44959),

Gene: Cornobble_51 Start: 46602, Stop: 44806, Start Num: 39

Candidate Starts for Cornobble_51:

(Start: 39 @46602 has 104 MA's), (Start: 64 @46509 has 144 MA's), (Start: 74 @46485 has 11 MA's), (Start: 79 @46428 has 1 MA's), (Start: 81 @46419 has 2 MA's), (96, 46329), (100, 46296), (110, 46239), (112, 46227), (114, 46203), (117, 46191), (118, 46182), (128, 46122), (137, 46032), (141, 45987), (148, 45927), (157, 45873), (163, 45825), (166, 45804), (188, 45672), (197, 45603), (199, 45597), (201, 45570), (203, 45555), (208, 45513), (213, 45465), (216, 45435), (221, 45408), (255, 45282), (257, 45276), (260, 45249), (272, 45204), (277, 45189), (279, 45183), (292, 45129), (297, 45120), (346, 44892), (355, 44856),

Gene: Corofin_52 Start: 47252, Stop: 45483, Start Num: 48

Candidate Starts for Corofin_52:

(17, 47468), (19, 47447), (24, 47372), (Start: 39 @47282 has 104 MA's), (45, 47258), (Start: 48 @47252 has 3 MA's), (49, 47249), (Start: 59 @47180 has 33 MA's), (Start: 95 @46982 has 1 MA's), (100, 46946), (110, 46889), (118, 46832), (124, 46790), (126, 46784), (131, 46727), (136, 46700), (137, 46682), (148, 46577), (161, 46487), (163, 46475), (166, 46454), (173, 46409), (183, 46346), (194, 46262), (198, 46247), (199, 46244), (200, 46241), (201, 46217), (204, 46199), (208, 46160), (213, 46112), (216, 46082), (220, 46058), (227, 46016), (253, 45938), (259, 45911), (268, 45860), (277, 45836), (292, 45788), (307, 45749), (319, 45707), (338, 45602), (346, 45560), (349, 45545),

Gene: Cosmolli16_52 Start: 46886, Stop: 45183, Start Num: 64

Candidate Starts for Cosmolli16_52:

(Start: 39 @46979 has 104 MA's), (Start: 64 @46886 has 144 MA's), (Start: 74 @46862 has 11 MA's), (Start: 79 @46805 has 1 MA's), (Start: 81 @46796 has 2 MA's), (96, 46706), (100, 46673), (110, 46616), (112, 46604), (114, 46580), (117, 46568), (118, 46559), (128, 46499), (137, 46409), (141, 46364), (148, 46304), (157, 46250), (163, 46202), (166, 46181), (188, 46049), (197, 45980), (199, 45974), (201, 45947), (203, 45932), (208, 45890), (213, 45842), (216, 45812), (221, 45785), (255, 45659), (257, 45653), (260, 45626), (272, 45581), (277, 45566), (279, 45560), (292, 45506), (297, 45497), (346, 45269), (355, 45233),

Gene: Craff_53 Start: 47180, Stop: 45384, Start Num: 39

Candidate Starts for Craff_53:

(Start: 39 @47180 has 104 MA's), (Start: 64 @47087 has 144 MA's), (Start: 74 @47063 has 11 MA's), (Start: 79 @47006 has 1 MA's), (Start: 81 @46997 has 2 MA's), (96, 46907), (100, 46874), (110, 46817), (112, 46805), (114, 46781), (117, 46769), (118, 46760), (128, 46700), (137, 46610), (141, 46565), (148, 46505), (157, 46451), (163, 46403), (166, 46382), (188, 46250), (197, 46181), (199, 46175), (201, 46148), (203, 46133), (208, 46091), (213, 46043), (216, 46013), (221, 45986), (255, 45860), (257, 45854), (260, 45827), (272, 45782), (277, 45767), (279, 45761), (292, 45707), (297, 45698), (346, 45470), (355, 45434),

Gene: Crownjwl_53 Start: 47051, Stop: 45252, Start Num: 39

Candidate Starts for Crownjwl_53:

(Start: 39 @47051 has 104 MA's), (Start: 64 @46955 has 144 MA's), (Start: 74 @46931 has 11 MA's), (Start: 79 @46874 has 1 MA's), (Start: 81 @46865 has 2 MA's), (96, 46775), (100, 46742), (110, 46685), (112, 46673), (114, 46649), (117, 46637), (118, 46628), (128, 46568), (137, 46478), (141, 46433), (148, 46373), (157, 46319), (163, 46271), (166, 46250), (188, 46118), (197, 46049), (199, 46043), (201, 46016), (203, 46001), (208, 45959), (213, 45911), (216, 45881), (221, 45854), (255, 45728), (257, 45722), (260, 45695), (272, 45650), (277, 45635), (279, 45629), (292, 45575), (297, 45566), (346, 45338), (355, 45302),

Gene: DaddyDaniels_52 Start: 46640, Stop: 44937, Start Num: 64

Candidate Starts for DaddyDaniels_52:

(Start: 64 @46640 has 144 MA's), (Start: 74 @46616 has 11 MA's), (Start: 79 @46559 has 1 MA's), (Start: 81 @46550 has 2 MA's), (96, 46460), (100, 46427), (110, 46370), (112, 46358), (114, 46334), (117, 46322), (118, 46313), (128, 46253), (137, 46163), (141, 46118), (148, 46058), (157, 46004), (163, 45956), (166, 45935), (188, 45803), (197, 45734), (199, 45728), (201, 45701), (203, 45686), (208, 45644), (213, 45596), (216, 45566), (221, 45539), (255, 45413), (257, 45407), (260, 45380), (271, 45338), (272, 45335), (277, 45320), (279, 45314), (292, 45260), (297, 45251), (346, 45023), (355, 44987),

Gene: Dadosky_66 Start: 44392, Stop: 46107, Start Num: 66

Candidate Starts for Dadosky_66:

(Start: 66 @44392 has 22 MA's), (84, 44485), (88, 44527), (Start: 95 @44563 has 1 MA's), (96, 44566), (99, 44590), (100, 44599), (107, 44638), (110, 44656), (118, 44713), (121, 44740), (122, 44743), (130, 44806), (137, 44866), (140, 44896), (141, 44905), (151, 44980), (152, 44983), (161, 45055), (162, 45064), (163, 45067), (171, 45133), (172, 45136), (173, 45139), (175, 45154), (176, 45169), (179, 45184), (186, 45214), (188, 45226), (201, 45328), (202, 45340), (203, 45343), (204, 45346), (206, 45367), (208, 45385), (213, 45433), (218, 45466), (222, 45493), (254, 45622), (259, 45646), (265, 45691), (266, 45694), (276, 45727), (283, 45751), (294, 45805), (297, 45811), (302, 45835), (333, 45952), (335, 45967), (337, 45994), (341, 46018),

Gene: Daffy_52 Start: 46665, Stop: 44962, Start Num: 64

Candidate Starts for Daffy_52:

(Start: 64 @46665 has 144 MA's), (Start: 74 @46641 has 11 MA's), (Start: 79 @46584 has 1 MA's), (Start: 81 @46575 has 2 MA's), (96, 46485), (100, 46452), (110, 46395), (112, 46383), (114, 46359), (117, 46347), (118, 46338), (128, 46278), (137, 46188), (141, 46143), (148, 46083), (157, 46029), (163, 45981), (166, 45960), (188, 45828), (197, 45759), (199, 45753), (201, 45726), (203, 45711), (208, 45669), (213, 45621), (216, 45591), (221, 45564), (255, 45438), (257, 45432), (260, 45405), (271, 45363), (272, 45360), (277, 45345), (279, 45339), (292, 45285), (297, 45276), (346, 45048), (355, 45012),

Gene: Daisy_52 Start: 47182, Stop: 45485, Start Num: 59

Candidate Starts for Daisy_52:

(Start: 59 @47182 has 33 MA's), (Start: 95 @46984 has 1 MA's), (100, 46948), (110, 46891), (118, 46834), (124, 46792), (126, 46786), (131, 46729), (136, 46702), (137, 46684), (148, 46579), (161,

46489), (163, 46477), (166, 46456), (173, 46411), (183, 46348), (194, 46264), (198, 46249), (199, 46246), (200, 46243), (201, 46219), (204, 46201), (208, 46162), (213, 46114), (216, 46084), (220, 46060), (227, 46018), (253, 45940), (259, 45913), (268, 45862), (277, 45838), (292, 45790), (307, 45751), (319, 45709), (338, 45604), (341, 45589), (346, 45562), (349, 45547),

Gene: Daka_53 Start: 46944, Stop: 45241, Start Num: 64

Candidate Starts for Daka_53:

(Start: 64 @46944 has 144 MA's), (Start: 74 @46920 has 11 MA's), (Start: 79 @46863 has 1 MA's), (Start: 81 @46854 has 2 MA's), (96, 46764), (100, 46731), (110, 46674), (112, 46662), (114, 46638), (117, 46626), (118, 46617), (128, 46557), (137, 46467), (141, 46422), (148, 46362), (157, 46308), (163, 46260), (166, 46239), (188, 46107), (197, 46038), (199, 46032), (201, 46005), (203, 45990), (208, 45948), (213, 45900), (216, 45870), (221, 45843), (255, 45717), (257, 45711), (260, 45684), (272, 45639), (277, 45624), (279, 45618), (292, 45564), (297, 45555), (346, 45327), (355, 45291),

Gene: Dati_52 Start: 46668, Stop: 44965, Start Num: 64

Candidate Starts for Dati_52:

(Start: 64 @46668 has 144 MA's), (Start: 74 @46644 has 11 MA's), (Start: 79 @46587 has 1 MA's), (Start: 81 @46578 has 2 MA's), (96, 46488), (100, 46455), (110, 46398), (112, 46386), (114, 46362), (117, 46350), (118, 46341), (128, 46281), (137, 46191), (141, 46146), (148, 46086), (157, 46032), (163, 45984), (166, 45963), (188, 45831), (197, 45762), (199, 45756), (201, 45729), (203, 45714), (208, 45672), (213, 45624), (216, 45594), (221, 45567), (255, 45441), (257, 45435), (260, 45408), (272, 45363), (277, 45348), (279, 45342), (292, 45288), (297, 45279), (346, 45051), (355, 45015),

Gene: Deenasa_51 Start: 47601, Stop: 45904, Start Num: 59

Candidate Starts for Deenasa_51:

(Start: 59 @47601 has 33 MA's), (Start: 95 @47403 has 1 MA's), (100, 47367), (110, 47310), (118, 47253), (124, 47211), (126, 47205), (131, 47148), (136, 47121), (137, 47103), (148, 46998), (161, 46908), (163, 46896), (166, 46875), (173, 46830), (183, 46767), (194, 46683), (198, 46668), (199, 46665), (200, 46662), (201, 46638), (204, 46620), (208, 46581), (213, 46533), (216, 46503), (220, 46479), (227, 46437), (253, 46359), (259, 46332), (265, 46290), (268, 46281), (277, 46257), (307, 46170), (319, 46128), (338, 46023), (346, 45981), (349, 45966), (353, 45948),

Gene: DelRivs_51 Start: 46765, Stop: 44969, Start Num: 39

Candidate Starts for DelRivs_51:

(Start: 39 @46765 has 104 MA's), (Start: 64 @46672 has 144 MA's), (Start: 74 @46648 has 11 MA's), (Start: 79 @46591 has 1 MA's), (Start: 81 @46582 has 2 MA's), (96, 46492), (100, 46459), (110, 46402), (112, 46390), (114, 46366), (117, 46354), (118, 46345), (128, 46285), (137, 46195), (141, 46150), (148, 46090), (163, 45988), (166, 45967), (188, 45835), (197, 45766), (199, 45760), (201, 45733), (203, 45718), (208, 45676), (213, 45628), (216, 45598), (221, 45571), (255, 45445), (257, 45439), (260, 45412), (271, 45370), (272, 45367), (277, 45352), (279, 45346), (292, 45292), (297, 45283), (346, 45055), (355, 45019),

Gene: Derpp_51 Start: 46603, Stop: 44807, Start Num: 39

Candidate Starts for Derpp_51:

(Start: 39 @46603 has 104 MA's), (Start: 64 @46510 has 144 MA's), (Start: 74 @46486 has 11 MA's), (Start: 79 @46429 has 1 MA's), (Start: 81 @46420 has 2 MA's), (96, 46330), (100, 46297), (110, 46240), (112, 46228), (114, 46204), (117, 46192), (118, 46183), (128, 46123), (137, 46033), (141, 45988), (148, 45928), (157, 45874), (163, 45826), (166, 45805), (188, 45673), (197, 45604), (199, 45598), (201, 45571), (203, 45556), (208, 45514), (213, 45466), (216, 45436), (221, 45409), (255, 45283), (257, 45277), (260, 45250), (272, 45205), (277, 45190), (279, 45184), (292, 45130), (297, 45121), (346, 44893), (355, 44857),

Gene: Devonte_51 Start: 46829, Stop: 45132, Start Num: 59

Candidate Starts for Devonte_51:

(Start: 59 @46829 has 33 MA's), (Start: 95 @46631 has 1 MA's), (100, 46595), (110, 46538), (118, 46481), (124, 46439), (131, 46376), (136, 46349), (137, 46331), (148, 46226), (161, 46136), (163, 46124), (166, 46103), (173, 46058), (183, 45995), (194, 45911), (198, 45896), (199, 45893), (200, 45890), (201, 45866), (204, 45848), (208, 45809), (213, 45761), (216, 45731), (220, 45707), (227, 45665), (253, 45587), (259, 45560), (265, 45518), (268, 45509), (277, 45485), (307, 45398), (319, 45356), (338, 45251), (346, 45209), (349, 45194), (353, 45176),

Gene: Dice_54 Start: 46546, Stop: 44933, Start Num: 81

Candidate Starts for Dice_54:

(Start: 39 @46729 has 104 MA's), (Start: 64 @46636 has 144 MA's), (Start: 74 @46612 has 11 MA's), (Start: 79 @46555 has 1 MA's), (Start: 81 @46546 has 2 MA's), (96, 46456), (100, 46423), (110, 46366), (112, 46354), (114, 46330), (117, 46318), (118, 46309), (128, 46249), (137, 46159), (141, 46114), (148, 46054), (163, 45952), (166, 45931), (188, 45799), (197, 45730), (199, 45724), (201, 45697), (203, 45682), (208, 45640), (213, 45592), (216, 45562), (221, 45535), (255, 45409), (257, 45403), (260, 45376), (271, 45334), (272, 45331), (277, 45316), (279, 45310), (292, 45256), (297, 45247), (346, 45019), (355, 44983),

Gene: DigitDog_52 Start: 47830, Stop: 46136, Start Num: 64

Candidate Starts for DigitDog_52:

(Start: 64 @47830 has 144 MA's), (Start: 74 @47803 has 11 MA's), (83, 47731), (100, 47614), (114, 47524), (117, 47512), (124, 47461), (128, 47443), (135, 47374), (137, 47353), (147, 47257), (153, 47233), (157, 47200), (163, 47152), (166, 47131), (186, 47011), (191, 46975), (196, 46936), (197, 46930), (199, 46924), (201, 46897), (202, 46885), (203, 46882), (208, 46840), (216, 46762), (247, 46639), (250, 46627), (255, 46606), (256, 46603), (262, 46564), (265, 46546), (271, 46528), (277, 46510), (330, 46309), (346, 46213),

Gene: Dingo_52 Start: 46935, Stop: 45232, Start Num: 64

Candidate Starts for Dingo_52:

(Start: 39 @47031 has 104 MA's), (Start: 64 @46935 has 144 MA's), (Start: 74 @46911 has 11 MA's), (Start: 79 @46854 has 1 MA's), (Start: 81 @46845 has 2 MA's), (96, 46755), (100, 46722), (110, 46665), (112, 46653), (114, 46629), (117, 46617), (118, 46608), (128, 46548), (137, 46458), (141, 46413), (148, 46353), (163, 46251), (166, 46230), (188, 46098), (197, 46029), (199, 46023), (201, 45996), (203, 45981), (208, 45939), (213, 45891), (216, 45861), (221, 45834), (255, 45708), (257, 45702), (260, 45675), (272, 45630), (277, 45615), (279, 45609), (292, 45555), (297, 45546), (346, 45318), (355, 45282),

Gene: Dione_51 Start: 46644, Stop: 44941, Start Num: 63

Candidate Starts for Dione_51:

(Start: 63 @46644 has 65 MA's), (Start: 74 @46620 has 11 MA's), (Start: 79 @46563 has 1 MA's), (Start: 81 @46554 has 2 MA's), (96, 46464), (100, 46431), (110, 46374), (112, 46362), (114, 46338), (117, 46326), (118, 46317), (128, 46257), (137, 46167), (141, 46122), (148, 46062), (157, 46008), (163, 45960), (166, 45939), (188, 45807), (197, 45738), (199, 45732), (201, 45705), (203, 45690), (208, 45648), (213, 45600), (216, 45570), (221, 45543), (255, 45417), (257, 45411), (260, 45384), (272, 45339), (277, 45324), (279, 45318), (292, 45264), (297, 45255), (346, 45027), (355, 44991),

Gene: DirtJuice_52 Start: 46934, Stop: 45231, Start Num: 64

Candidate Starts for DirtJuice_52:

(Start: 64 @46934 has 144 MA's), (Start: 74 @46910 has 11 MA's), (Start: 79 @46853 has 1 MA's), (Start: 81 @46844 has 2 MA's), (96, 46754), (100, 46721), (110, 46664), (112, 46652), (114, 46628), (117, 46616), (118, 46607), (128, 46547), (137, 46457), (141, 46412), (163, 46250), (166, 46229), (188, 46097), (197, 46028), (199, 46022), (201, 45995), (203, 45980), (208, 45938), (213, 45890), (216, 45860), (221, 45833), (255, 45707), (257, 45701), (260, 45674), (272, 45629), (277, 45614),

(279, 45608), (292, 45554), (297, 45545), (346, 45317), (355, 45281),

Gene: Doddsville_52 Start: 46664, Stop: 44961, Start Num: 64

Candidate Starts for Doddsville_52:

(Start: 64 @46664 has 144 MA's), (Start: 74 @46640 has 11 MA's), (Start: 79 @46583 has 1 MA's), (Start: 81 @46574 has 2 MA's), (96, 46484), (100, 46451), (110, 46394), (112, 46382), (114, 46358), (117, 46346), (118, 46337), (128, 46277), (137, 46187), (141, 46142), (148, 46082), (157, 46028), (163, 45980), (166, 45959), (188, 45827), (197, 45758), (199, 45752), (201, 45725), (203, 45710), (208, 45668), (213, 45620), (216, 45590), (221, 45563), (255, 45437), (257, 45431), (260, 45404), (272, 45359), (277, 45344), (279, 45338), (292, 45284), (297, 45275), (346, 45047), (355, 45011),

Gene: DoesntMatter_51 Start: 46937, Stop: 45234, Start Num: 63

Candidate Starts for DoesntMatter_51:

(Start: 63 @46937 has 65 MA's), (Start: 74 @46913 has 11 MA's), (Start: 79 @46856 has 1 MA's), (Start: 81 @46847 has 2 MA's), (96, 46757), (100, 46724), (110, 46667), (112, 46655), (114, 46631), (117, 46619), (118, 46610), (128, 46550), (137, 46460), (141, 46415), (148, 46355), (157, 46301), (163, 46253), (166, 46232), (188, 46100), (197, 46031), (199, 46025), (201, 45998), (203, 45983), (208, 45941), (213, 45893), (216, 45863), (221, 45836), (255, 45710), (257, 45704), (260, 45677), (272, 45632), (277, 45617), (279, 45611), (292, 45557), (297, 45548), (346, 45320), (355, 45284),

Gene: DonSanchon_51 Start: 46647, Stop: 44944, Start Num: 63

Candidate Starts for DonSanchon_51:

(13, 46980), (15, 46953), (Start: 63 @46647 has 65 MA's), (Start: 74 @46623 has 11 MA's), (Start: 79 @46566 has 1 MA's), (Start: 81 @46557 has 2 MA's), (96, 46467), (100, 46434), (110, 46377), (112, 46365), (114, 46341), (117, 46329), (118, 46320), (128, 46260), (137, 46170), (141, 46125), (148, 46065), (163, 45963), (166, 45942), (188, 45810), (197, 45741), (199, 45735), (201, 45708), (203, 45693), (208, 45651), (213, 45603), (216, 45573), (221, 45546), (255, 45420), (257, 45414), (260, 45387), (271, 45345), (272, 45342), (277, 45327), (279, 45321), (292, 45267), (297, 45258), (346, 45030), (355, 44994),

Gene: Donny_53 Start: 48116, Stop: 46422, Start Num: 64

Candidate Starts for Donny_53:

(Start: 47 @48194 has 1 MA's), (Start: 64 @48116 has 144 MA's), (Start: 74 @48089 has 11 MA's), (84, 48014), (100, 47900), (114, 47810), (124, 47747), (128, 47729), (135, 47660), (137, 47639), (148, 47540), (163, 47438), (166, 47417), (186, 47297), (191, 47261), (197, 47216), (199, 47210), (200, 47207), (201, 47183), (202, 47171), (203, 47168), (208, 47126), (213, 47078), (216, 47048), (247, 46925), (255, 46892), (256, 46889), (262, 46850), (271, 46814), (277, 46796), (330, 46595), (346, 46499),

Gene: DuchessDung_51 Start: 46026, Stop: 44230, Start Num: 39

Candidate Starts for DuchessDung_51:

(Start: 39 @46026 has 104 MA's), (Start: 64 @45933 has 144 MA's), (Start: 74 @45909 has 11 MA's), (Start: 79 @45852 has 1 MA's), (Start: 81 @45843 has 2 MA's), (96, 45753), (100, 45720), (110, 45663), (112, 45651), (114, 45627), (117, 45615), (118, 45606), (128, 45546), (137, 45456), (141, 45411), (148, 45351), (157, 45297), (163, 45249), (166, 45228), (188, 45096), (197, 45027), (199, 45021), (201, 44994), (203, 44979), (208, 44937), (213, 44889), (216, 44859), (221, 44832), (255, 44706), (257, 44700), (260, 44673), (272, 44628), (277, 44613), (279, 44607), (292, 44553), (297, 44544), (346, 44316), (355, 44280),

Gene: Duggie_51 Start: 46756, Stop: 44960, Start Num: 39

Candidate Starts for Duggie_51:

(Start: 39 @46756 has 104 MA's), (Start: 64 @46663 has 144 MA's), (Start: 74 @46639 has 11 MA's), (Start: 79 @46582 has 1 MA's), (Start: 81 @46573 has 2 MA's), (96, 46483), (100, 46450), (110,

46393), (112, 46381), (114, 46357), (117, 46345), (118, 46336), (128, 46276), (137, 46186), (141, 46141), (148, 46081), (157, 46027), (163, 45979), (166, 45958), (188, 45826), (197, 45757), (199, 45751), (201, 45724), (203, 45709), (208, 45667), (213, 45619), (216, 45589), (221, 45562), (255, 45436), (257, 45430), (260, 45403), (272, 45358), (277, 45343), (279, 45337), (292, 45283), (297, 45274), (346, 45046), (355, 45010),

Gene: Durga_53 Start: 47102, Stop: 45399, Start Num: 64

Candidate Starts for Durga_53:

(Start: 39 @47195 has 104 MA's), (Start: 64 @47102 has 144 MA's), (Start: 74 @47078 has 11 MA's), (Start: 79 @47021 has 1 MA's), (Start: 81 @47012 has 2 MA's), (96, 46922), (100, 46889), (110, 46832), (112, 46820), (114, 46796), (117, 46784), (118, 46775), (128, 46715), (137, 46625), (141, 46580), (148, 46520), (157, 46466), (163, 46418), (166, 46397), (188, 46265), (197, 46196), (199, 46190), (201, 46163), (203, 46148), (208, 46106), (213, 46058), (216, 46028), (221, 46001), (255, 45875), (257, 45869), (260, 45842), (272, 45797), (277, 45782), (279, 45776), (292, 45722), (297, 45713), (346, 45485), (355, 45449),

Gene: Eaglehorse_51 Start: 46607, Stop: 44892, Start Num: 64

Candidate Starts for Eaglehorse_51:

(10, 47036), (12, 47000), (14, 46928), (16, 46913), (20, 46862), (Start: 64 @46607 has 144 MA's), (70, 46595), (94, 46424), (Start: 95 @46421 has 1 MA's), (100, 46385), (101, 46373), (103, 46364), (110, 46328), (111, 46325), (114, 46292), (124, 46229), (137, 46121), (141, 46082), (153, 46001), (157, 45968), (159, 45959), (163, 45920), (166, 45899), (167, 45896), (173, 45854), (175, 45839), (176, 45824), (183, 45794), (188, 45767), (192, 45719), (198, 45695), (199, 45692), (201, 45665), (202, 45653), (204, 45647), (208, 45608), (213, 45560), (216, 45530), (217, 45524), (226, 45479), (238, 45407), (239, 45404), (243, 45392), (249, 45365), (250, 45362), (254, 45347), (265, 45281), (277, 45248), (301, 45170), (312, 45140), (313, 45137), (316, 45125), (324, 45086), (338, 45008), (339, 45005), (346, 44966), (362, 44900),

Gene: EastView9101_53 Start: 47766, Stop: 46072, Start Num: 64

Candidate Starts for EastView9101_53:

(Start: 64 @47766 has 144 MA's), (Start: 74 @47739 has 11 MA's), (84, 47664), (100, 47550), (114, 47460), (124, 47397), (128, 47379), (135, 47310), (137, 47289), (153, 47169), (163, 47088), (166, 47067), (186, 46947), (191, 46911), (197, 46866), (199, 46860), (200, 46857), (201, 46833), (202, 46821), (203, 46818), (208, 46776), (213, 46728), (216, 46698), (247, 46575), (250, 46563), (255, 46542), (256, 46539), (262, 46500), (271, 46464), (277, 46446), (330, 46245), (346, 46149),

Gene: Edugator_63 Start: 45810, Stop: 47525, Start Num: 66

Candidate Starts for Edugator_63:

(Start: 66 @45810 has 22 MA's), (84, 45903), (88, 45945), (Start: 95 @45981 has 1 MA's), (96, 45984), (99, 46008), (100, 46017), (107, 46056), (110, 46074), (118, 46131), (121, 46158), (122, 46161), (130, 46224), (137, 46284), (140, 46314), (141, 46323), (151, 46398), (152, 46401), (161, 46473), (162, 46482), (163, 46485), (171, 46551), (172, 46554), (173, 46557), (175, 46572), (176, 46587), (179, 46602), (186, 46632), (188, 46644), (201, 46746), (202, 46758), (203, 46761), (204, 46764), (206, 46785), (208, 46803), (213, 46851), (218, 46884), (222, 46911), (254, 47040), (259, 47064), (265, 47109), (266, 47112), (276, 47145), (283, 47169), (294, 47223), (297, 47229), (302, 47253), (333, 47370), (335, 47385), (337, 47412), (341, 47436),

Gene: EmiRose_31 Start: 25621, Stop: 24032, Start Num: 69

Candidate Starts for EmiRose_31:

(Start: 69 @25621 has 7 MA's), (Start: 74 @25603 has 11 MA's), (78, 25570), (82, 25528), (85, 25519), (87, 25492), (92, 25459), (93, 25453), (94, 25447), (96, 25441), (100, 25408), (103, 25387), (118, 25300), (125, 25255), (129, 25228), (153, 25036), (155, 25030), (157, 25003), (163, 24955), (166, 24934), (179, 24844), (188, 24802), (195, 24742), (197, 24733), (201, 24700), (202, 24688),

(208, 24643), (226, 24514), (254, 24436), (265, 24370), (280, 24337), (298, 24301), (300, 24295), (319, 24238), (330, 24199), (340, 24139), (356, 24064),

Gene: Emiris_53 Start: 47070, Stop: 45367, Start Num: 64

Candidate Starts for Emiris_53:

(Start: 39 @47163 has 104 MA's), (Start: 64 @47070 has 144 MA's), (Start: 74 @47046 has 11 MA's), (Start: 79 @46989 has 1 MA's), (Start: 81 @46980 has 2 MA's), (96, 46890), (100, 46857), (110, 46800), (112, 46788), (114, 46764), (117, 46752), (118, 46743), (128, 46683), (137, 46593), (141, 46548), (148, 46488), (157, 46434), (163, 46386), (166, 46365), (188, 46233), (197, 46164), (199, 46158), (201, 46131), (203, 46116), (208, 46074), (213, 46026), (216, 45996), (221, 45969), (255, 45843), (257, 45837), (260, 45810), (272, 45765), (277, 45750), (279, 45744), (292, 45690), (297, 45681), (346, 45453), (355, 45417),

Gene: EmpTee_52 Start: 46950, Stop: 45247, Start Num: 63

Candidate Starts for EmpTee_52:

(Start: 63 @46950 has 65 MA's), (Start: 74 @46926 has 11 MA's), (Start: 79 @46869 has 1 MA's), (Start: 81 @46860 has 2 MA's), (96, 46770), (100, 46737), (110, 46680), (112, 46668), (114, 46644), (117, 46632), (118, 46623), (128, 46563), (137, 46473), (141, 46428), (148, 46368), (157, 46314), (163, 46266), (166, 46245), (188, 46113), (197, 46044), (199, 46038), (201, 46011), (203, 45996), (208, 45954), (213, 45906), (216, 45876), (221, 45849), (255, 45723), (257, 45717), (260, 45690), (271, 45648), (272, 45645), (277, 45630), (279, 45624), (292, 45570), (297, 45561), (346, 45333), (355, 45297),

Gene: Eremos_52 Start: 46943, Stop: 45240, Start Num: 63

Candidate Starts for Eremos_52:

(Start: 63 @46943 has 65 MA's), (Start: 74 @46919 has 11 MA's), (Start: 79 @46862 has 1 MA's), (Start: 81 @46853 has 2 MA's), (96, 46763), (100, 46730), (110, 46673), (112, 46661), (114, 46637), (117, 46625), (118, 46616), (128, 46556), (137, 46466), (141, 46421), (148, 46361), (157, 46307), (163, 46259), (166, 46238), (188, 46106), (197, 46037), (199, 46031), (201, 46004), (203, 45989), (208, 45947), (213, 45899), (216, 45869), (221, 45842), (255, 45716), (257, 45710), (260, 45683), (272, 45638), (277, 45623), (279, 45617), (292, 45563), (297, 45554), (346, 45326), (355, 45290),

Gene: Etaye_52 Start: 46937, Stop: 45234, Start Num: 64

Candidate Starts for Etaye_52:

(Start: 64 @46937 has 144 MA's), (Start: 74 @46913 has 11 MA's), (Start: 79 @46856 has 1 MA's), (Start: 81 @46847 has 2 MA's), (96, 46757), (100, 46724), (110, 46667), (112, 46655), (114, 46631), (117, 46619), (118, 46610), (128, 46550), (137, 46460), (141, 46415), (148, 46355), (157, 46301), (163, 46253), (166, 46232), (188, 46100), (197, 46031), (199, 46025), (201, 45998), (203, 45983), (208, 45941), (213, 45893), (216, 45863), (221, 45836), (255, 45710), (257, 45704), (260, 45677), (272, 45632), (277, 45617), (279, 45611), (292, 45557), (297, 45548), (346, 45320), (355, 45284),

Gene: Eugenia_52 Start: 47040, Stop: 45244, Start Num: 39

Candidate Starts for Eugenia_52:

(Start: 39 @47040 has 104 MA's), (Start: 64 @46947 has 144 MA's), (Start: 74 @46923 has 11 MA's), (Start: 79 @46866 has 1 MA's), (Start: 81 @46857 has 2 MA's), (96, 46767), (100, 46734), (110, 46677), (112, 46665), (114, 46641), (117, 46629), (118, 46620), (128, 46560), (137, 46470), (141, 46425), (148, 46365), (157, 46311), (163, 46263), (166, 46242), (188, 46110), (197, 46041), (199, 46035), (201, 46008), (203, 45993), (208, 45951), (213, 45903), (216, 45873), (221, 45846), (255, 45720), (257, 45714), (260, 45687), (272, 45642), (277, 45627), (279, 45621), (292, 45567), (297, 45558), (346, 45330), (355, 45294),

Gene: Evaa_45 Start: 40446, Stop: 38749, Start Num: 62

Candidate Starts for Evaa_45:

(Start: 62 @40446 has 10 MA's), (87, 40311), (94, 40266), (Start: 95 @40263 has 1 MA's), (96, 40260), (100, 40227), (109, 40173), (124, 40071), (135, 39981), (137, 39960), (142, 39915), (153, 39837), (155, 39831), (157, 39804), (163, 39756), (171, 39696), (173, 39690), (188, 39603), (198, 39531), (201, 39501), (203, 39486), (208, 39444), (213, 39396), (216, 39366), (226, 39315), (255, 39225), (265, 39165), (268, 39156), (316, 38991), (340, 38868), (344, 38844), (349, 38817), (359, 38781), (364, 38766),

Gene: Fang_53 Start: 47188, Stop: 45392, Start Num: 39

Candidate Starts for Fang_53:

(Start: 39 @47188 has 104 MA's), (Start: 64 @47095 has 144 MA's), (Start: 74 @47071 has 11 MA's), (Start: 79 @47014 has 1 MA's), (Start: 81 @47005 has 2 MA's), (96, 46915), (100, 46882), (110, 46825), (112, 46813), (114, 46789), (117, 46777), (118, 46768), (128, 46708), (137, 46618), (141, 46573), (148, 46513), (157, 46459), (163, 46411), (166, 46390), (188, 46258), (197, 46189), (199, 46183), (201, 46156), (203, 46141), (208, 46099), (213, 46051), (216, 46021), (221, 45994), (255, 45868), (257, 45862), (260, 45835), (271, 45793), (272, 45790), (277, 45775), (279, 45769), (292, 45715), (297, 45706), (346, 45478), (355, 45442),

Gene: Faze9_50 Start: 46701, Stop: 44986, Start Num: 64

Candidate Starts for Faze9_50:

(10, 47130), (12, 47094), (14, 47022), (16, 47007), (20, 46956), (Start: 64 @46701 has 144 MA's), (70, 46689), (94, 46518), (Start: 95 @46515 has 1 MA's), (100, 46479), (101, 46467), (103, 46458), (110, 46422), (111, 46419), (114, 46386), (124, 46323), (137, 46215), (141, 46176), (153, 46095), (157, 46062), (159, 46053), (163, 46014), (166, 45993), (167, 45990), (173, 45948), (175, 45933), (176, 45918), (183, 45888), (188, 45861), (192, 45813), (198, 45789), (199, 45786), (201, 45759), (202, 45747), (204, 45741), (208, 45702), (213, 45654), (216, 45624), (217, 45618), (226, 45573), (239, 45498), (243, 45486), (249, 45459), (250, 45456), (254, 45441), (265, 45375), (277, 45342), (301, 45264), (312, 45234), (313, 45231), (316, 45219), (324, 45180), (338, 45102), (339, 45099), (346, 45060), (362, 44994),

Gene: Feyre_67 Start: 47791, Stop: 49500, Start Num: 66

Candidate Starts for Feyre_67:

(Start: 66 @47791 has 22 MA's), (84, 47884), (Start: 95 @47962 has 1 MA's), (96, 47965), (99, 47989), (100, 47998), (107, 48037), (110, 48055), (118, 48112), (121, 48139), (122, 48142), (130, 48205), (137, 48265), (140, 48295), (141, 48304), (151, 48379), (152, 48382), (158, 48424), (159, 48427), (162, 48463), (163, 48466), (171, 48532), (172, 48535), (173, 48538), (175, 48553), (176, 48568), (179, 48583), (186, 48613), (188, 48625), (201, 48727), (202, 48739), (203, 48742), (204, 48745), (206, 48766), (208, 48784), (212, 48829), (213, 48832), (219, 48871), (222, 48892), (254, 49021), (265, 49090), (266, 49093), (276, 49126), (277, 49129), (278, 49132), (291, 49195), (294, 49204), (297, 49210), (302, 49234), (312, 49267), (333, 49351), (335, 49366), (337, 49393), (338, 49402), (341, 49417),

Gene: FluffyNinja_53 Start: 47202, Stop: 45406, Start Num: 39

Candidate Starts for FluffyNinja_53:

(Start: 39 @47202 has 104 MA's), (Start: 64 @47109 has 144 MA's), (Start: 74 @47085 has 11 MA's), (Start: 79 @47028 has 1 MA's), (Start: 81 @47019 has 2 MA's), (96, 46929), (100, 46896), (110, 46839), (112, 46827), (114, 46803), (117, 46791), (118, 46782), (128, 46722), (137, 46632), (141, 46587), (148, 46527), (163, 46425), (166, 46404), (188, 46272), (197, 46203), (199, 46197), (201, 46170), (203, 46155), (208, 46113), (213, 46065), (216, 46035), (221, 46008), (255, 45882), (257, 45876), (260, 45849), (271, 45807), (272, 45804), (277, 45789), (279, 45783), (292, 45729), (297, 45720), (346, 45492), (355, 45456),

Gene: Fortunato_48 Start: 47438, Stop: 45729, Start Num: 64

Candidate Starts for Fortunato_48:

(Start: 64 @47438 has 144 MA's), (94, 47255), (100, 47216), (103, 47195), (114, 47126), (128, 47045), (135, 46976), (137, 46955), (148, 46856), (153, 46835), (157, 46802), (159, 46793), (162, 46757), (163, 46754), (167, 46730), (184, 46619), (186, 46613), (188, 46601), (197, 46532), (199, 46526), (201, 46499), (202, 46487), (203, 46484), (208, 46442), (213, 46394), (216, 46364), (226, 46313), (250, 46232), (254, 46217), (255, 46211), (256, 46208), (261, 46175), (262, 46169), (264, 46160), (271, 46133), (276, 46118), (277, 46115), (281, 46106), (285, 46088), (289, 46061), (297, 46040), (322, 45929), (346, 45806), (356, 45767), (359, 45755),

Gene: Fozzie_51 Start: 46972, Stop: 45269, Start Num: 63

Candidate Starts for Fozzie_51:

(Start: 63 @46972 has 65 MA's), (Start: 74 @46948 has 11 MA's), (Start: 79 @46891 has 1 MA's), (Start: 81 @46882 has 2 MA's), (96, 46792), (100, 46759), (110, 46702), (112, 46690), (114, 46666), (117, 46654), (118, 46645), (128, 46585), (137, 46495), (141, 46450), (148, 46390), (157, 46336), (163, 46288), (166, 46267), (188, 46135), (197, 46066), (199, 46060), (201, 46033), (203, 46018), (208, 45976), (213, 45928), (216, 45898), (221, 45871), (255, 45745), (257, 45739), (260, 45712), (272, 45667), (277, 45652), (279, 45646), (292, 45592), (297, 45583), (346, 45355), (355, 45319),

Gene: Frankicide_52 Start: 46974, Stop: 45271, Start Num: 63

Candidate Starts for Frankicide_52:

(Start: 63 @46974 has 65 MA's), (Start: 74 @46950 has 11 MA's), (Start: 79 @46893 has 1 MA's), (Start: 81 @46884 has 2 MA's), (96, 46794), (100, 46761), (110, 46704), (112, 46692), (114, 46668), (117, 46656), (118, 46647), (128, 46587), (137, 46497), (141, 46452), (163, 46290), (166, 46269), (188, 46137), (197, 46068), (199, 46062), (201, 46035), (203, 46020), (208, 45978), (213, 45930), (216, 45900), (221, 45873), (255, 45747), (257, 45741), (260, 45714), (272, 45669), (277, 45654), (279, 45648), (292, 45594), (297, 45585), (346, 45357), (355, 45321),

Gene: Frederick_47 Start: 47414, Stop: 45702, Start Num: 64

Candidate Starts for Frederick_47:

(Start: 64 @47414 has 144 MA's), (94, 47231), (100, 47192), (103, 47171), (114, 47102), (128, 47021), (135, 46952), (137, 46931), (148, 46832), (153, 46811), (157, 46778), (159, 46769), (163, 46730), (167, 46706), (184, 46595), (186, 46589), (188, 46577), (197, 46508), (199, 46502), (201, 46475), (202, 46463), (203, 46460), (208, 46418), (213, 46370), (216, 46340), (226, 46289), (250, 46205), (254, 46190), (255, 46184), (256, 46181), (261, 46148), (262, 46142), (264, 46133), (271, 46106), (276, 46091), (277, 46088), (281, 46079), (285, 46061), (289, 46034), (297, 46013), (322, 45902), (343, 45794), (346, 45779), (356, 45740),

Gene: FrenchFry_51 Start: 46680, Stop: 44965, Start Num: 64

Candidate Starts for FrenchFry_51:

(10, 47109), (12, 47073), (14, 47001), (16, 46986), (20, 46935), (Start: 64 @46680 has 144 MA's), (70, 46668), (94, 46497), (Start: 95 @46494 has 1 MA's), (100, 46458), (101, 46446), (103, 46437), (110, 46401), (111, 46398), (114, 46365), (124, 46302), (137, 46194), (141, 46155), (153, 46074), (157, 46041), (159, 46032), (163, 45993), (166, 45972), (167, 45969), (173, 45927), (175, 45912), (176, 45897), (183, 45867), (188, 45840), (192, 45792), (198, 45768), (199, 45765), (201, 45738), (202, 45726), (204, 45720), (208, 45681), (213, 45633), (216, 45603), (217, 45597), (226, 45552), (239, 45477), (243, 45465), (249, 45438), (250, 45435), (254, 45420), (265, 45354), (277, 45321), (301, 45243), (312, 45213), (313, 45210), (316, 45198), (324, 45159), (346, 45039), (362, 44973),

Gene: Fresco_46 Start: 40113, Stop: 38449, Start Num: 62

Candidate Starts for Fresco_46:

(37, 40215), (Start: 61 @40116 has 1 MA's), (Start: 62 @40113 has 10 MA's), (93, 39939), (94, 39933), (96, 39927), (100, 39894), (101, 39882), (110, 39837), (135, 39651), (137, 39630), (148, 39531), (153, 39510), (157, 39477), (163, 39429), (171, 39369), (196, 39213), (198, 39204), (201, 39174), (203, 39159), (208, 39117), (213, 39069), (216, 39039), (218, 39030), (277, 38796), (288,

38757), (293, 38748), (316, 38685), (340, 38562), (346, 38526), (364, 38460),

Gene: Freya_51 Start: 46635, Stop: 44932, Start Num: 63

Candidate Starts for Freya_51:

(Start: 63 @46635 has 65 MA's), (Start: 74 @46611 has 11 MA's), (Start: 79 @46554 has 1 MA's), (Start: 81 @46545 has 2 MA's), (96, 46455), (100, 46422), (110, 46365), (112, 46353), (114, 46329), (117, 46317), (118, 46308), (128, 46248), (137, 46158), (141, 46113), (148, 46053), (157, 45999), (163, 45951), (166, 45930), (188, 45798), (197, 45729), (199, 45723), (201, 45696), (203, 45681), (208, 45639), (213, 45591), (216, 45561), (221, 45534), (255, 45408), (257, 45402), (260, 45375), (272, 45330), (277, 45315), (279, 45309), (292, 45255), (297, 45246), (346, 45018), (355, 44982),

Gene: FriarPreacher_51 Start: 47079, Stop: 45283, Start Num: 39

Candidate Starts for FriarPreacher_51:

(Start: 39 @47079 has 104 MA's), (Start: 64 @46986 has 144 MA's), (Start: 74 @46962 has 11 MA's), (Start: 79 @46905 has 1 MA's), (Start: 81 @46896 has 2 MA's), (96, 46806), (100, 46773), (110, 46716), (112, 46704), (114, 46680), (117, 46668), (118, 46659), (128, 46599), (137, 46509), (141, 46464), (148, 46404), (163, 46302), (166, 46281), (188, 46149), (197, 46080), (199, 46074), (201, 46047), (203, 46032), (208, 45990), (213, 45942), (216, 45912), (221, 45885), (255, 45759), (257, 45753), (260, 45726), (271, 45684), (272, 45681), (277, 45666), (279, 45660), (292, 45606), (297, 45597), (346, 45369), (355, 45333),

Gene: Fringe_53 Start: 47071, Stop: 45368, Start Num: 64

Candidate Starts for Fringe_53:

(Start: 39 @47164 has 104 MA's), (Start: 64 @47071 has 144 MA's), (Start: 74 @47047 has 11 MA's), (Start: 79 @46990 has 1 MA's), (Start: 81 @46981 has 2 MA's), (96, 46891), (100, 46858), (110, 46801), (112, 46789), (114, 46765), (117, 46753), (118, 46744), (128, 46684), (137, 46594), (141, 46549), (148, 46489), (163, 46387), (166, 46366), (188, 46234), (197, 46165), (199, 46159), (201, 46132), (203, 46117), (208, 46075), (213, 46027), (216, 45997), (221, 45970), (255, 45844), (257, 45838), (260, 45811), (271, 45769), (272, 45766), (277, 45751), (279, 45745), (292, 45691), (297, 45682), (346, 45454), (355, 45418),

Gene: FugateOSU_51 Start: 46742, Stop: 44946, Start Num: 39

Candidate Starts for FugateOSU_51:

(Start: 39 @46742 has 104 MA's), (Start: 64 @46649 has 144 MA's), (Start: 74 @46625 has 11 MA's), (Start: 79 @46568 has 1 MA's), (Start: 81 @46559 has 2 MA's), (96, 46469), (100, 46436), (110, 46379), (112, 46367), (114, 46343), (117, 46331), (118, 46322), (128, 46262), (137, 46172), (141, 46127), (148, 46067), (157, 46013), (163, 45965), (166, 45944), (188, 45812), (197, 45743), (199, 45737), (201, 45710), (203, 45695), (208, 45653), (213, 45605), (216, 45575), (221, 45548), (255, 45422), (257, 45416), (260, 45389), (272, 45344), (277, 45329), (279, 45323), (292, 45269), (297, 45260), (346, 45032), (355, 44996),

Gene: Funsized_55 Start: 50181, Stop: 48472, Start Num: 64

Candidate Starts for Funsized_55:

(Start: 42 @50262 has 1 MA's), (44, 50253), (Start: 64 @50181 has 144 MA's), (84, 50082), (90, 50025), (Start: 95 @50004 has 1 MA's), (100, 49968), (110, 49914), (113, 49881), (114, 49878), (124, 49815), (128, 49797), (135, 49728), (137, 49707), (138, 49686), (146, 49620), (157, 49554), (159, 49545), (162, 49509), (163, 49506), (166, 49485), (167, 49482), (175, 49425), (186, 49365), (188, 49353), (197, 49284), (199, 49278), (201, 49251), (202, 49239), (203, 49236), (208, 49194), (210, 49179), (213, 49146), (216, 49116), (226, 49065), (250, 48984), (255, 48963), (265, 48903), (271, 48885), (277, 48867), (297, 48777), (322, 48672), (325, 48663), (338, 48591), (346, 48549), (358, 48507),

Gene: Gadjet_53 Start: 47587, Stop: 45788, Start Num: 39

Candidate Starts for Gadget_53:

(7, 47935), (17, 47773), (19, 47752), (24, 47677), (Start: 39 @47587 has 104 MA's), (45, 47563), (Start: 48 @47557 has 3 MA's), (49, 47554), (Start: 59 @47485 has 33 MA's), (Start: 95 @47287 has 1 MA's), (100, 47251), (110, 47194), (118, 47137), (124, 47095), (126, 47089), (131, 47032), (136, 47005), (137, 46987), (148, 46882), (151, 46867), (161, 46792), (163, 46780), (166, 46759), (173, 46714), (183, 46651), (194, 46567), (198, 46552), (199, 46549), (200, 46546), (201, 46522), (204, 46504), (208, 46465), (213, 46417), (216, 46387), (220, 46363), (227, 46321), (253, 46243), (259, 46216), (268, 46165), (277, 46141), (307, 46054), (319, 46012), (338, 45907), (341, 45892), (346, 45865), (349, 45850), (353, 45832),

Gene: Gareth_51 Start: 46736, Stop: 44940, Start Num: 39

Candidate Starts for Gareth_51:

(Start: 39 @46736 has 104 MA's), (Start: 64 @46643 has 144 MA's), (Start: 74 @46619 has 11 MA's), (Start: 79 @46562 has 1 MA's), (Start: 81 @46553 has 2 MA's), (96, 46463), (100, 46430), (110, 46373), (112, 46361), (114, 46337), (117, 46325), (118, 46316), (128, 46256), (137, 46166), (141, 46121), (148, 46061), (157, 46007), (163, 45959), (166, 45938), (188, 45806), (197, 45737), (199, 45731), (201, 45704), (203, 45689), (208, 45647), (213, 45599), (216, 45569), (221, 45542), (255, 45416), (257, 45410), (260, 45383), (272, 45338), (277, 45323), (279, 45317), (292, 45263), (297, 45254), (346, 45026), (355, 44990),

Gene: GeneCoco_52 Start: 47051, Stop: 45255, Start Num: 39

Candidate Starts for GeneCoco_52:

(Start: 39 @47051 has 104 MA's), (Start: 64 @46958 has 144 MA's), (Start: 74 @46934 has 11 MA's), (Start: 79 @46877 has 1 MA's), (Start: 81 @46868 has 2 MA's), (96, 46778), (100, 46745), (110, 46688), (112, 46676), (114, 46652), (117, 46640), (118, 46631), (128, 46571), (137, 46481), (141, 46436), (148, 46376), (157, 46322), (163, 46274), (166, 46253), (188, 46121), (197, 46052), (199, 46046), (201, 46019), (203, 46004), (208, 45962), (213, 45914), (216, 45884), (221, 45857), (255, 45731), (257, 45725), (260, 45698), (272, 45653), (277, 45638), (279, 45632), (292, 45578), (297, 45569), (346, 45341), (355, 45305),

Gene: Gengar_64 Start: 45778, Stop: 47487, Start Num: 66

Candidate Starts for Gengar_64:

(Start: 66 @45778 has 22 MA's), (84, 45871), (88, 45913), (Start: 95 @45949 has 1 MA's), (96, 45952), (99, 45976), (100, 45985), (107, 46024), (110, 46042), (118, 46099), (121, 46126), (122, 46129), (130, 46192), (137, 46252), (140, 46282), (141, 46291), (148, 46351), (151, 46366), (152, 46369), (158, 46411), (159, 46414), (162, 46450), (163, 46453), (171, 46519), (172, 46522), (173, 46525), (175, 46540), (176, 46555), (179, 46570), (186, 46600), (188, 46612), (201, 46714), (202, 46726), (203, 46729), (204, 46732), (206, 46753), (208, 46771), (212, 46816), (213, 46819), (219, 46858), (222, 46879), (254, 47008), (265, 47077), (266, 47080), (276, 47113), (277, 47116), (278, 47119), (291, 47182), (294, 47191), (297, 47197), (302, 47221), (312, 47254), (327, 47317), (333, 47338), (335, 47353), (337, 47380), (338, 47389), (341, 47404),

Gene: Gervas_53 Start: 47597, Stop: 45900, Start Num: 59

Candidate Starts for Gervas_53:

(Start: 59 @47597 has 33 MA's), (Start: 95 @47399 has 1 MA's), (100, 47363), (110, 47306), (118, 47249), (124, 47207), (126, 47201), (131, 47144), (136, 47117), (137, 47099), (148, 46994), (161, 46904), (163, 46892), (166, 46871), (173, 46826), (183, 46763), (194, 46679), (198, 46664), (199, 46661), (200, 46658), (201, 46634), (204, 46616), (208, 46577), (213, 46529), (216, 46499), (220, 46475), (227, 46433), (253, 46355), (259, 46328), (268, 46277), (277, 46253), (292, 46205), (307, 46166), (319, 46124), (338, 46019), (346, 45977), (349, 45962),

Gene: Giraffe_52 Start: 46760, Stop: 44964, Start Num: 39

Candidate Starts for Giraffe_52:

(Start: 39 @46760 has 104 MA's), (Start: 64 @46667 has 144 MA's), (Start: 74 @46643 has 11 MA's), (Start: 79 @46586 has 1 MA's), (Start: 81 @46577 has 2 MA's), (96, 46487), (100, 46454), (110, 46397), (112, 46385), (114, 46361), (117, 46349), (118, 46340), (128, 46280), (137, 46190), (141, 46145), (148, 46085), (157, 46031), (163, 45983), (166, 45962), (188, 45830), (197, 45761), (199, 45755), (201, 45728), (203, 45713), (208, 45671), (213, 45623), (216, 45593), (221, 45566), (255, 45440), (257, 45434), (260, 45407), (272, 45362), (277, 45347), (279, 45341), (292, 45287), (297, 45278), (346, 45050), (355, 45014),

Gene: Glass_51 Start: 46685, Stop: 44970, Start Num: 64

Candidate Starts for Glass_51:

(Start: 64 @46685 has 144 MA's), (94, 46502), (Start: 95 @46499 has 1 MA's), (100, 46463), (101, 46451), (103, 46442), (110, 46406), (111, 46403), (114, 46370), (124, 46307), (137, 46199), (141, 46160), (153, 46079), (157, 46046), (159, 46037), (163, 45998), (166, 45977), (167, 45974), (173, 45932), (175, 45917), (176, 45902), (183, 45872), (188, 45845), (191, 45821), (192, 45797), (198, 45773), (199, 45770), (201, 45743), (202, 45731), (204, 45725), (208, 45686), (213, 45638), (216, 45608), (226, 45557), (229, 45530), (239, 45482), (243, 45470), (249, 45443), (250, 45440), (254, 45425), (265, 45359), (277, 45326), (301, 45248), (312, 45218), (313, 45215), (316, 45203), (324, 45164), (346, 45044), (362, 44978),

Gene: GlenHope_53 Start: 47220, Stop: 45451, Start Num: 48

Candidate Starts for GlenHope_53:

(7, 47598), (17, 47436), (19, 47415), (24, 47340), (Start: 39 @47250 has 104 MA's), (45, 47226), (Start: 48 @47220 has 3 MA's), (49, 47217), (Start: 59 @47148 has 33 MA's), (Start: 95 @46950 has 1 MA's), (100, 46914), (110, 46857), (118, 46800), (124, 46758), (126, 46752), (131, 46695), (136, 46668), (137, 46650), (148, 46545), (161, 46455), (163, 46443), (166, 46422), (173, 46377), (183, 46314), (194, 46230), (198, 46215), (199, 46212), (200, 46209), (201, 46185), (204, 46167), (208, 46128), (213, 46080), (216, 46050), (220, 46026), (227, 45984), (253, 45906), (259, 45879), (268, 45828), (277, 45804), (292, 45756), (307, 45717), (319, 45675), (338, 45570), (346, 45528), (349, 45513),

Gene: Godines_51 Start: 46637, Stop: 44922, Start Num: 64

Candidate Starts for Godines_51:

(Start: 64 @46637 has 144 MA's), (70, 46625), (88, 46487), (94, 46454), (Start: 95 @46451 has 1 MA's), (100, 46415), (101, 46403), (103, 46394), (110, 46358), (111, 46355), (114, 46322), (124, 46259), (137, 46151), (141, 46112), (153, 46031), (157, 45998), (159, 45989), (163, 45950), (166, 45929), (167, 45926), (173, 45884), (175, 45869), (176, 45854), (183, 45824), (188, 45797), (191, 45773), (192, 45749), (198, 45725), (199, 45722), (201, 45695), (202, 45683), (204, 45677), (208, 45638), (213, 45590), (216, 45560), (226, 45509), (229, 45482), (239, 45434), (243, 45422), (249, 45395), (250, 45392), (254, 45377), (265, 45311), (277, 45278), (301, 45200), (312, 45170), (313, 45167), (316, 45155), (324, 45116), (338, 45038), (346, 44996), (362, 44930),

Gene: Gophee_52 Start: 46917, Stop: 45238, Start Num: 74

Candidate Starts for Gophee_52:

(Start: 39 @47034 has 104 MA's), (Start: 64 @46941 has 144 MA's), (Start: 74 @46917 has 11 MA's), (Start: 79 @46860 has 1 MA's), (Start: 81 @46851 has 2 MA's), (96, 46761), (100, 46728), (110, 46671), (112, 46659), (114, 46635), (117, 46623), (118, 46614), (128, 46554), (137, 46464), (141, 46419), (148, 46359), (157, 46305), (163, 46257), (166, 46236), (188, 46104), (197, 46035), (199, 46029), (201, 46002), (203, 45987), (208, 45945), (213, 45897), (216, 45867), (221, 45840), (255, 45714), (257, 45708), (260, 45681), (271, 45639), (272, 45636), (277, 45621), (279, 45615), (292, 45561), (297, 45552), (346, 45324), (355, 45288),

Gene: Grand2040_51 Start: 46754, Stop: 44958, Start Num: 39

Candidate Starts for Grand2040_51:

(Start: 39 @46754 has 104 MA's), (Start: 64 @46661 has 144 MA's), (Start: 74 @46637 has 11 MA's), (Start: 79 @46580 has 1 MA's), (Start: 81 @46571 has 2 MA's), (96, 46481), (100, 46448), (110, 46391), (112, 46379), (114, 46355), (117, 46343), (118, 46334), (128, 46274), (137, 46184), (141, 46139), (148, 46079), (157, 46025), (163, 45977), (166, 45956), (188, 45824), (197, 45755), (199, 45749), (201, 45722), (203, 45707), (208, 45665), (213, 45617), (216, 45587), (221, 45560), (255, 45434), (257, 45428), (260, 45401), (272, 45356), (277, 45341), (279, 45335), (292, 45281), (297, 45272), (346, 45044), (355, 45008),

Gene: Guillsminger_65 Start: 45720, Stop: 47429, Start Num: 66

Candidate Starts for Guillsminger_65:

(Start: 66 @45720 has 22 MA's), (84, 45813), (88, 45855), (Start: 95 @45891 has 1 MA's), (96, 45894), (99, 45918), (100, 45927), (107, 45966), (110, 45984), (118, 46041), (121, 46068), (122, 46071), (130, 46134), (137, 46194), (140, 46224), (141, 46233), (148, 46293), (151, 46308), (152, 46311), (158, 46353), (159, 46356), (162, 46392), (163, 46395), (171, 46461), (172, 46464), (173, 46467), (175, 46482), (176, 46497), (179, 46512), (186, 46542), (188, 46554), (201, 46656), (202, 46668), (203, 46671), (204, 46674), (206, 46695), (208, 46713), (212, 46758), (213, 46761), (219, 46800), (222, 46821), (254, 46950), (265, 47019), (266, 47022), (276, 47055), (277, 47058), (278, 47061), (291, 47124), (294, 47133), (297, 47139), (302, 47163), (312, 47196), (327, 47259), (333, 47280), (335, 47295), (337, 47322), (338, 47331), (341, 47346),

Gene: Gustav_35 Start: 27998, Stop: 26355, Start Num: 69

Candidate Starts for Gustav_35:

(26, 28190), (29, 28175), (30, 28163), (32, 28160), (Start: 38 @28133 has 1 MA's), (Start: 69 @27998 has 7 MA's), (76, 27956), (80, 27920), (84, 27902), (89, 27854), (96, 27821), (100, 27788), (103, 27767), (118, 27680), (120, 27662), (121, 27653), (123, 27647), (124, 27638), (127, 27629), (132, 27554), (137, 27527), (143, 27482), (153, 27413), (155, 27407), (159, 27371), (163, 27332), (165, 27320), (167, 27308), (171, 27272), (173, 27266), (175, 27251), (184, 27197), (195, 27119), (203, 27062), (204, 27059), (208, 27020), (212, 26975), (216, 26942), (218, 26933), (230, 26873), (231, 26870), (234, 26855), (245, 26834), (259, 26771), (262, 26747), (277, 26699), (346, 26420),

Gene: Gwilliam_53 Start: 47040, Stop: 45244, Start Num: 39

Candidate Starts for Gwilliam_53:

(Start: 39 @47040 has 104 MA's), (Start: 64 @46947 has 144 MA's), (Start: 74 @46923 has 11 MA's), (Start: 79 @46866 has 1 MA's), (Start: 81 @46857 has 2 MA's), (96, 46767), (100, 46734), (110, 46677), (112, 46665), (114, 46641), (117, 46629), (118, 46620), (128, 46560), (137, 46470), (141, 46425), (148, 46365), (157, 46311), (163, 46263), (166, 46242), (188, 46110), (197, 46041), (199, 46035), (201, 46008), (203, 45993), (208, 45951), (213, 45903), (216, 45873), (221, 45846), (255, 45720), (257, 45714), (260, 45687), (272, 45642), (277, 45627), (279, 45621), (292, 45567), (297, 45558), (346, 45330), (355, 45294),

Gene: Gyarad_0052 Start: 46961, Stop: 45258, Start Num: 63

Candidate Starts for Gyarad_0052:

(13, 47294), (15, 47267), (Start: 63 @46961 has 65 MA's), (Start: 74 @46937 has 11 MA's), (Start: 79 @46880 has 1 MA's), (Start: 81 @46871 has 2 MA's), (96, 46781), (100, 46748), (110, 46691), (112, 46679), (114, 46655), (117, 46643), (118, 46634), (128, 46574), (137, 46484), (141, 46439), (163, 46277), (166, 46256), (188, 46124), (197, 46055), (199, 46049), (201, 46022), (203, 46007), (208, 45965), (213, 45917), (216, 45887), (221, 45860), (255, 45734), (257, 45728), (260, 45701), (272, 45656), (277, 45641), (279, 45635), (292, 45581), (297, 45572), (346, 45344), (355, 45308),

Gene: HSavage_52 Start: 46953, Stop: 45250, Start Num: 63

Candidate Starts for HSavage_52:

(Start: 63 @46953 has 65 MA's), (Start: 74 @46929 has 11 MA's), (Start: 79 @46872 has 1 MA's), (Start: 81 @46863 has 2 MA's), (96, 46773), (100, 46740), (110, 46683), (112, 46671), (114, 46647),

(117, 46635), (118, 46626), (128, 46566), (137, 46476), (141, 46431), (163, 46269), (166, 46248), (188, 46116), (197, 46047), (199, 46041), (201, 46014), (203, 45999), (208, 45957), (213, 45909), (216, 45879), (221, 45852), (255, 45726), (257, 45720), (260, 45693), (272, 45648), (277, 45633), (279, 45627), (292, 45573), (297, 45564), (346, 45336), (355, 45300),

Gene: Haimas_52 Start: 46947, Stop: 45244, Start Num: 63

Candidate Starts for Haimas_52:

(13, 47280), (15, 47253), (Start: 63 @46947 has 65 MA's), (Start: 74 @46923 has 11 MA's), (Start: 79 @46866 has 1 MA's), (Start: 81 @46857 has 2 MA's), (96, 46767), (100, 46734), (110, 46677), (112, 46665), (114, 46641), (117, 46629), (118, 46620), (128, 46560), (137, 46470), (141, 46425), (148, 46365), (163, 46263), (166, 46242), (188, 46110), (197, 46041), (199, 46035), (201, 46008), (203, 45993), (208, 45951), (213, 45903), (216, 45873), (221, 45846), (255, 45720), (257, 45714), (260, 45687), (272, 45642), (277, 45627), (279, 45621), (292, 45567), (297, 45558), (346, 45330), (355, 45294),

Gene: Haleema_51 Start: 46661, Stop: 44958, Start Num: 64

Candidate Starts for Haleema_51:

(Start: 64 @46661 has 144 MA's), (Start: 74 @46637 has 11 MA's), (Start: 79 @46580 has 1 MA's), (Start: 81 @46571 has 2 MA's), (96, 46481), (100, 46448), (110, 46391), (112, 46379), (114, 46355), (117, 46343), (118, 46334), (128, 46274), (137, 46184), (141, 46139), (148, 46079), (157, 46025), (163, 45977), (166, 45956), (188, 45824), (197, 45755), (199, 45749), (201, 45722), (203, 45707), (208, 45665), (213, 45617), (216, 45587), (221, 45560), (255, 45434), (257, 45428), (260, 45401), (271, 45359), (272, 45356), (277, 45341), (279, 45335), (292, 45281), (297, 45272), (346, 45044), (355, 45008),

Gene: Halfpint_51 Start: 46973, Stop: 45276, Start Num: 59

Candidate Starts for Halfpint_51:

(Start: 59 @46973 has 33 MA's), (Start: 95 @46775 has 1 MA's), (100, 46739), (110, 46682), (118, 46625), (124, 46583), (126, 46577), (131, 46520), (136, 46493), (137, 46475), (148, 46370), (161, 46280), (163, 46268), (166, 46247), (173, 46202), (183, 46139), (194, 46055), (198, 46040), (199, 46037), (200, 46034), (201, 46010), (204, 45992), (208, 45953), (213, 45905), (216, 45875), (220, 45851), (227, 45809), (253, 45731), (259, 45704), (268, 45653), (277, 45629), (292, 45581), (307, 45542), (319, 45500), (338, 45395), (346, 45353), (349, 45338),

Gene: Hamish_52 Start: 46940, Stop: 45237, Start Num: 63

Candidate Starts for Hamish_52:

(13, 47273), (15, 47246), (Start: 63 @46940 has 65 MA's), (Start: 74 @46916 has 11 MA's), (Start: 79 @46859 has 1 MA's), (Start: 81 @46850 has 2 MA's), (96, 46760), (100, 46727), (110, 46670), (112, 46658), (114, 46634), (117, 46622), (118, 46613), (128, 46553), (137, 46463), (141, 46418), (148, 46358), (163, 46256), (166, 46235), (188, 46103), (197, 46034), (199, 46028), (201, 46001), (203, 45986), (208, 45944), (213, 45896), (216, 45866), (221, 45839), (255, 45713), (257, 45707), (260, 45680), (272, 45635), (277, 45620), (279, 45614), (292, 45560), (297, 45551), (346, 45323), (355, 45287),

Gene: Hangman_47 Start: 47517, Stop: 45808, Start Num: 64

Candidate Starts for Hangman_47:

(Start: 64 @47517 has 144 MA's), (94, 47334), (100, 47295), (103, 47274), (114, 47205), (128, 47124), (135, 47055), (137, 47034), (148, 46935), (153, 46914), (157, 46881), (159, 46872), (162, 46836), (163, 46833), (167, 46809), (184, 46698), (186, 46692), (188, 46680), (197, 46611), (199, 46605), (201, 46578), (202, 46566), (203, 46563), (208, 46521), (213, 46473), (216, 46443), (226, 46392), (250, 46311), (254, 46296), (255, 46290), (256, 46287), (261, 46254), (262, 46248), (264, 46239), (271, 46212), (276, 46197), (277, 46194), (281, 46185), (285, 46167), (289, 46140), (297, 46119), (322, 46008), (346, 45885), (356, 45846),

Gene: Hartsy_52 Start: 47083, Stop: 45287, Start Num: 39

Candidate Starts for Hartsy_52:

(Start: 39 @47083 has 104 MA's), (Start: 64 @46990 has 144 MA's), (Start: 74 @46966 has 11 MA's), (Start: 79 @46909 has 1 MA's), (Start: 81 @46900 has 2 MA's), (96, 46810), (100, 46777), (110, 46720), (112, 46708), (114, 46684), (117, 46672), (118, 46663), (128, 46603), (137, 46513), (141, 46468), (148, 46408), (157, 46354), (163, 46306), (166, 46285), (188, 46153), (197, 46084), (199, 46078), (201, 46051), (203, 46036), (208, 45994), (213, 45946), (216, 45916), (221, 45889), (255, 45763), (257, 45757), (260, 45730), (272, 45685), (277, 45670), (279, 45664), (292, 45610), (297, 45601), (346, 45373), (355, 45337),

Gene: Harvey_52 Start: 46977, Stop: 45274, Start Num: 63

Candidate Starts for Harvey_52:

(13, 47310), (15, 47283), (Start: 63 @46977 has 65 MA's), (Start: 74 @46953 has 11 MA's), (Start: 79 @46896 has 1 MA's), (Start: 81 @46887 has 2 MA's), (96, 46797), (100, 46764), (110, 46707), (112, 46695), (114, 46671), (117, 46659), (118, 46650), (128, 46590), (137, 46500), (141, 46455), (148, 46395), (163, 46293), (166, 46272), (188, 46140), (197, 46071), (199, 46065), (201, 46038), (203, 46023), (208, 45981), (213, 45933), (216, 45903), (221, 45876), (255, 45750), (257, 45744), (260, 45717), (271, 45675), (272, 45672), (277, 45657), (279, 45651), (292, 45597), (297, 45588), (346, 45360), (355, 45324),

Gene: HarveySr_51 Start: 46825, Stop: 45128, Start Num: 59

Candidate Starts for HarveySr_51:

(Start: 59 @46825 has 33 MA's), (Start: 95 @46627 has 1 MA's), (100, 46591), (110, 46534), (118, 46477), (124, 46435), (131, 46372), (136, 46345), (137, 46327), (148, 46222), (161, 46132), (163, 46120), (166, 46099), (173, 46054), (183, 45991), (194, 45907), (198, 45892), (199, 45889), (200, 45886), (201, 45862), (204, 45844), (208, 45805), (213, 45757), (216, 45727), (220, 45703), (227, 45661), (253, 45583), (259, 45556), (265, 45514), (268, 45505), (277, 45481), (307, 45394), (319, 45352), (338, 45247), (346, 45205), (349, 45190), (353, 45172),

Gene: Hashim76_56 Start: 47369, Stop: 45522, Start Num: 42

Candidate Starts for Hashim76_56:

(Start: 42 @47369 has 1 MA's), (Start: 68 @47282 has 10 MA's), (96, 47102), (100, 47069), (110, 47012), (135, 46826), (137, 46805), (141, 46766), (148, 46706), (149, 46703), (153, 46685), (163, 46604), (167, 46580), (186, 46463), (199, 46376), (201, 46349), (202, 46337), (203, 46334), (208, 46292), (213, 46244), (216, 46214), (221, 46187), (226, 46163), (251, 46031), (255, 46016), (299, 45833), (310, 45806), (311, 45797), (316, 45779), (325, 45737), (337, 45674), (346, 45623), (357, 45581),

Gene: Heath_46 Start: 47028, Stop: 45316, Start Num: 64

Candidate Starts for Heath_46:

(Start: 64 @47028 has 144 MA's), (97, 46836), (100, 46806), (103, 46785), (110, 46749), (114, 46713), (116, 46704), (135, 46563), (137, 46542), (138, 46521), (148, 46443), (153, 46422), (157, 46389), (159, 46380), (162, 46344), (163, 46341), (167, 46317), (184, 46206), (186, 46200), (188, 46188), (197, 46119), (199, 46113), (201, 46086), (202, 46074), (203, 46071), (208, 46029), (213, 45981), (216, 45951), (226, 45900), (250, 45819), (254, 45804), (255, 45798), (256, 45795), (261, 45762), (262, 45756), (264, 45747), (271, 45720), (276, 45705), (277, 45702), (281, 45693), (285, 45675), (289, 45648), (297, 45627), (322, 45516), (346, 45393), (356, 45354),

Gene: Heathcliff_52 Start: 47119, Stop: 45422, Start Num: 59

Candidate Starts for Heathcliff_52:

(Start: 59 @47119 has 33 MA's), (Start: 95 @46921 has 1 MA's), (100, 46885), (110, 46828), (118, 46771), (124, 46729), (126, 46723), (131, 46666), (136, 46639), (137, 46621), (148, 46516), (161,

46426), (163, 46414), (166, 46393), (173, 46348), (183, 46285), (194, 46201), (198, 46186), (199, 46183), (200, 46180), (201, 46156), (204, 46138), (208, 46099), (213, 46051), (216, 46021), (220, 45997), (227, 45955), (253, 45877), (259, 45850), (268, 45799), (277, 45775), (292, 45727), (307, 45688), (319, 45646), (338, 45541), (346, 45499), (349, 45484),

Gene: Hedgerow_51 Start: 46694, Stop: 44979, Start Num: 64

Candidate Starts for Hedgerow_51:

(10, 47123), (12, 47087), (14, 47015), (16, 47000), (20, 46949), (Start: 64 @46694 has 144 MA's), (70, 46682), (94, 46511), (Start: 95 @46508 has 1 MA's), (100, 46472), (101, 46460), (103, 46451), (110, 46415), (111, 46412), (114, 46379), (124, 46316), (137, 46208), (141, 46169), (153, 46088), (157, 46055), (159, 46046), (163, 46007), (166, 45986), (167, 45983), (173, 45941), (175, 45926), (176, 45911), (183, 45881), (188, 45854), (192, 45806), (198, 45782), (199, 45779), (201, 45752), (202, 45740), (204, 45734), (208, 45695), (213, 45647), (216, 45617), (217, 45611), (226, 45566), (239, 45491), (243, 45479), (249, 45452), (250, 45449), (254, 45434), (265, 45368), (277, 45335), (301, 45257), (312, 45227), (313, 45224), (316, 45212), (324, 45173), (338, 45095), (346, 45053), (362, 44987),

Gene: Heftyboy_65 Start: 46099, Stop: 47808, Start Num: 66

Candidate Starts for Heftyboy_65:

(Start: 66 @46099 has 22 MA's), (84, 46192), (Start: 95 @46270 has 1 MA's), (96, 46273), (99, 46297), (100, 46306), (107, 46345), (110, 46363), (118, 46420), (121, 46447), (122, 46450), (130, 46513), (137, 46573), (140, 46603), (141, 46612), (151, 46687), (152, 46690), (158, 46732), (159, 46735), (162, 46771), (163, 46774), (171, 46840), (172, 46843), (173, 46846), (175, 46861), (176, 46876), (179, 46891), (186, 46921), (188, 46933), (201, 47035), (202, 47047), (203, 47050), (204, 47053), (206, 47074), (208, 47092), (212, 47137), (213, 47140), (219, 47179), (222, 47200), (254, 47329), (265, 47398), (266, 47401), (276, 47434), (277, 47437), (278, 47440), (291, 47503), (294, 47512), (297, 47518), (302, 47542), (312, 47575), (327, 47638), (333, 47659), (335, 47674), (337, 47701), (338, 47710), (341, 47725),

Gene: Held_52 Start: 46666, Stop: 44963, Start Num: 64

Candidate Starts for Held_52:

(Start: 64 @46666 has 144 MA's), (Start: 74 @46642 has 11 MA's), (Start: 79 @46585 has 1 MA's), (Start: 81 @46576 has 2 MA's), (96, 46486), (100, 46453), (110, 46396), (112, 46384), (114, 46360), (117, 46348), (118, 46339), (128, 46279), (137, 46189), (141, 46144), (148, 46084), (157, 46030), (163, 45982), (166, 45961), (188, 45829), (197, 45760), (199, 45754), (201, 45727), (203, 45712), (208, 45670), (213, 45622), (216, 45592), (221, 45565), (255, 45439), (257, 45433), (260, 45406), (271, 45364), (272, 45361), (277, 45346), (279, 45340), (292, 45286), (297, 45277), (346, 45049), (355, 45013),

Gene: HenryJackson_51 Start: 46754, Stop: 44958, Start Num: 39

Candidate Starts for HenryJackson_51:

(Start: 39 @46754 has 104 MA's), (Start: 64 @46661 has 144 MA's), (Start: 74 @46637 has 11 MA's), (Start: 79 @46580 has 1 MA's), (Start: 81 @46571 has 2 MA's), (96, 46481), (100, 46448), (110, 46391), (112, 46379), (114, 46355), (117, 46343), (118, 46334), (128, 46274), (137, 46184), (141, 46139), (148, 46079), (157, 46025), (163, 45977), (166, 45956), (188, 45824), (197, 45755), (199, 45749), (201, 45722), (203, 45707), (208, 45665), (213, 45617), (216, 45587), (221, 45560), (255, 45434), (257, 45428), (260, 45401), (272, 45356), (277, 45341), (279, 45335), (292, 45281), (297, 45272), (346, 45044), (355, 45008),

Gene: Hertubise_52 Start: 46961, Stop: 45258, Start Num: 63

Candidate Starts for Hertubise_52:

(Start: 63 @46961 has 65 MA's), (Start: 74 @46937 has 11 MA's), (Start: 79 @46880 has 1 MA's), (Start: 81 @46871 has 2 MA's), (96, 46781), (100, 46748), (110, 46691), (112, 46679), (114, 46655),

(117, 46643), (118, 46634), (128, 46574), (137, 46484), (141, 46439), (148, 46379), (163, 46277), (166, 46256), (188, 46124), (197, 46055), (199, 46049), (201, 46022), (203, 46007), (208, 45965), (213, 45917), (216, 45887), (221, 45860), (255, 45734), (257, 45728), (260, 45701), (271, 45659), (272, 45656), (277, 45641), (279, 45635), (292, 45581), (297, 45572), (346, 45344), (355, 45308),

Gene: Hetaeria_52 Start: 46978, Stop: 45275, Start Num: 63

Candidate Starts for Hetaeria_52:

(13, 47311), (15, 47284), (Start: 63 @46978 has 65 MA's), (Start: 74 @46954 has 11 MA's), (Start: 79 @46897 has 1 MA's), (Start: 81 @46888 has 2 MA's), (96, 46798), (100, 46765), (110, 46708), (112, 46696), (114, 46672), (117, 46660), (118, 46651), (128, 46591), (137, 46501), (141, 46456), (148, 46396), (163, 46294), (166, 46273), (188, 46141), (197, 46072), (199, 46066), (201, 46039), (203, 46024), (208, 45982), (213, 45934), (216, 45904), (221, 45877), (255, 45751), (257, 45745), (260, 45718), (271, 45676), (272, 45673), (277, 45658), (279, 45652), (292, 45598), (297, 45589), (346, 45361), (355, 45325),

Gene: HighStump_52 Start: 46881, Stop: 45085, Start Num: 39

Candidate Starts for HighStump_52:

(Start: 39 @46881 has 104 MA's), (Start: 64 @46788 has 144 MA's), (Start: 74 @46764 has 11 MA's), (Start: 79 @46707 has 1 MA's), (Start: 81 @46698 has 2 MA's), (96, 46608), (100, 46575), (110, 46518), (112, 46506), (114, 46482), (117, 46470), (118, 46461), (128, 46401), (137, 46311), (141, 46266), (148, 46206), (157, 46152), (163, 46104), (166, 46083), (188, 45951), (197, 45882), (199, 45876), (201, 45849), (203, 45834), (208, 45792), (213, 45744), (216, 45714), (221, 45687), (255, 45561), (257, 45555), (260, 45528), (272, 45483), (277, 45468), (279, 45462), (292, 45408), (297, 45399), (346, 45171), (355, 45135),

Gene: Hocus_51 Start: 46740, Stop: 44944, Start Num: 39

Candidate Starts for Hocus_51:

(Start: 39 @46740 has 104 MA's), (Start: 64 @46647 has 144 MA's), (Start: 74 @46623 has 11 MA's), (Start: 79 @46566 has 1 MA's), (Start: 81 @46557 has 2 MA's), (96, 46467), (100, 46434), (110, 46377), (112, 46365), (114, 46341), (117, 46329), (118, 46320), (128, 46260), (137, 46170), (141, 46125), (148, 46065), (157, 46011), (163, 45963), (166, 45942), (188, 45810), (197, 45741), (199, 45735), (201, 45708), (203, 45693), (208, 45651), (213, 45603), (216, 45573), (221, 45546), (255, 45420), (257, 45414), (260, 45387), (272, 45342), (277, 45327), (279, 45321), (292, 45267), (297, 45258), (346, 45030), (355, 44994),

Gene: Holeinone_51 Start: 46545, Stop: 44830, Start Num: 64

Candidate Starts for Holeinone_51:

(10, 46974), (12, 46938), (14, 46866), (20, 46800), (Start: 64 @46545 has 144 MA's), (94, 46362), (Start: 95 @46359 has 1 MA's), (100, 46323), (101, 46311), (103, 46302), (110, 46266), (111, 46263), (114, 46230), (124, 46167), (137, 46059), (141, 46020), (153, 45939), (157, 45906), (159, 45897), (163, 45858), (166, 45837), (167, 45834), (173, 45792), (175, 45777), (176, 45762), (183, 45732), (188, 45705), (192, 45657), (198, 45633), (199, 45630), (201, 45603), (202, 45591), (204, 45585), (208, 45546), (213, 45498), (216, 45468), (217, 45462), (226, 45417), (239, 45342), (243, 45330), (249, 45303), (250, 45300), (254, 45285), (265, 45219), (277, 45186), (301, 45108), (312, 45078), (313, 45075), (316, 45063), (324, 45024), (338, 44946), (346, 44904), (362, 44838),

Gene: Horchata_52 Start: 46953, Stop: 45250, Start Num: 63

Candidate Starts for Horchata_52:

(Start: 63 @46953 has 65 MA's), (Start: 74 @46929 has 11 MA's), (Start: 79 @46872 has 1 MA's), (Start: 81 @46863 has 2 MA's), (96, 46773), (100, 46740), (110, 46683), (112, 46671), (114, 46647), (117, 46635), (118, 46626), (128, 46566), (137, 46476), (141, 46431), (148, 46371), (157, 46317), (163, 46269), (166, 46248), (188, 46116), (197, 46047), (199, 46041), (201, 46014), (203, 45999), (208, 45957), (213, 45909), (216, 45879), (221, 45852), (255, 45726), (257, 45720), (260, 45693),

(272, 45648), (277, 45633), (279, 45627), (292, 45573), (297, 45564), (346, 45336), (355, 45300),

Gene: Hosp_044 Start: 43731, Stop: 41992, Start Num: 64

Candidate Starts for Hosp_044:

(43, 43812), (Start: 64 @43731 has 144 MA's), (98, 43530), (100, 43518), (113, 43431), (114, 43428), (118, 43407), (128, 43347), (135, 43278), (137, 43257), (138, 43236), (141, 43218), (143, 43206), (146, 43170), (153, 43137), (157, 43104), (159, 43095), (162, 43059), (163, 43056), (166, 43035), (186, 42915), (188, 42903), (196, 42840), (199, 42828), (201, 42801), (202, 42789), (208, 42744), (209, 42741), (213, 42696), (216, 42666), (226, 42615), (232, 42567), (236, 42537), (262, 42423), (265, 42405), (271, 42387), (276, 42375), (277, 42372), (279, 42366), (284, 42348), (285, 42345), (289, 42318), (303, 42273), (306, 42264), (316, 42222), (346, 42066),

Gene: Hydro_47 Start: 47456, Stop: 45744, Start Num: 64

Candidate Starts for Hydro_47:

(Start: 64 @47456 has 144 MA's), (94, 47273), (100, 47234), (103, 47213), (114, 47144), (128, 47063), (135, 46994), (137, 46973), (148, 46874), (153, 46853), (157, 46820), (159, 46811), (162, 46775), (163, 46772), (167, 46748), (184, 46637), (186, 46631), (188, 46619), (197, 46550), (199, 46544), (201, 46517), (202, 46505), (203, 46502), (208, 46460), (213, 46412), (216, 46382), (226, 46331), (239, 46283), (250, 46247), (254, 46232), (255, 46226), (256, 46223), (261, 46190), (262, 46184), (264, 46175), (271, 46148), (276, 46133), (277, 46130), (281, 46121), (285, 46103), (289, 46076), (297, 46055), (322, 45944), (346, 45821), (356, 45782),

Gene: ImtiyazSitla_52 Start: 46729, Stop: 44933, Start Num: 39

Candidate Starts for ImtiyazSitla_52:

(Start: 39 @46729 has 104 MA's), (Start: 64 @46636 has 144 MA's), (Start: 74 @46612 has 11 MA's), (Start: 79 @46555 has 1 MA's), (Start: 81 @46546 has 2 MA's), (96, 46456), (100, 46423), (110, 46366), (112, 46354), (114, 46330), (117, 46318), (118, 46309), (128, 46249), (137, 46159), (141, 46114), (148, 46054), (157, 46000), (163, 45952), (166, 45931), (188, 45799), (197, 45730), (199, 45724), (201, 45697), (203, 45682), (208, 45640), (213, 45592), (216, 45562), (221, 45535), (255, 45409), (257, 45403), (260, 45376), (272, 45331), (277, 45316), (279, 45310), (292, 45256), (297, 45247), (346, 45019), (355, 44983),

Gene: Imvubu_47 Start: 45228, Stop: 43504, Start Num: 64

Candidate Starts for Imvubu_47:

(58, 45246), (Start: 64 @45228 has 144 MA's), (83, 45126), (94, 45048), (Start: 95 @45045 has 1 MA's), (100, 45009), (106, 44976), (110, 44955), (114, 44919), (135, 44769), (137, 44748), (148, 44649), (153, 44628), (155, 44622), (157, 44595), (163, 44547), (167, 44523), (175, 44466), (184, 44412), (186, 44406), (188, 44394), (199, 44319), (201, 44292), (202, 44280), (203, 44277), (208, 44235), (209, 44232), (213, 44187), (216, 44157), (226, 44106), (237, 44064), (243, 44046), (249, 44019), (250, 44016), (255, 43995), (265, 43935), (271, 43917), (277, 43899), (316, 43737), (322, 43704), (325, 43695), (346, 43581),

Gene: Inchworm_53 Start: 47167, Stop: 45371, Start Num: 39

Candidate Starts for Inchworm_53:

(Start: 39 @47167 has 104 MA's), (Start: 64 @47074 has 144 MA's), (Start: 74 @47050 has 11 MA's), (Start: 79 @46993 has 1 MA's), (Start: 81 @46984 has 2 MA's), (96, 46894), (100, 46861), (110, 46804), (112, 46792), (114, 46768), (117, 46756), (118, 46747), (128, 46687), (137, 46597), (141, 46552), (148, 46492), (157, 46438), (163, 46390), (166, 46369), (188, 46237), (197, 46168), (199, 46162), (201, 46135), (203, 46120), (208, 46078), (213, 46030), (216, 46000), (221, 45973), (255, 45847), (257, 45841), (260, 45814), (272, 45769), (277, 45754), (279, 45748), (292, 45694), (297, 45685), (346, 45457), (355, 45421),

Gene: Indlovu_51 Start: 47709, Stop: 46000, Start Num: 62

Candidate Starts for Indlovu_51:

(Start: 62 @47709 has 10 MA's), (84, 47604), (Start: 95 @47526 has 1 MA's), (100, 47490), (107, 47451), (110, 47433), (114, 47397), (117, 47385), (135, 47247), (137, 47226), (138, 47205), (144, 47157), (157, 47073), (162, 47028), (163, 47025), (166, 47004), (167, 47001), (186, 46884), (196, 46809), (199, 46797), (201, 46770), (202, 46758), (203, 46755), (208, 46713), (213, 46665), (216, 46635), (222, 46599), (251, 46509), (254, 46500), (255, 46494), (256, 46491), (265, 46434), (271, 46416), (277, 46398), (287, 46341), (325, 46191), (346, 46077), (359, 46026),

Gene: Inverness_52 Start: 46962, Stop: 45259, Start Num: 63

Candidate Starts for Inverness_52:

(Start: 63 @46962 has 65 MA's), (Start: 74 @46938 has 11 MA's), (Start: 79 @46881 has 1 MA's), (Start: 81 @46872 has 2 MA's), (96, 46782), (100, 46749), (110, 46692), (112, 46680), (114, 46656), (117, 46644), (118, 46635), (128, 46575), (137, 46485), (141, 46440), (148, 46380), (157, 46326), (163, 46278), (166, 46257), (188, 46125), (197, 46056), (199, 46050), (201, 46023), (203, 46008), (208, 45966), (213, 45918), (216, 45888), (221, 45861), (255, 45735), (257, 45729), (260, 45702), (271, 45660), (272, 45657), (277, 45642), (279, 45636), (292, 45582), (297, 45573), (346, 45345), (355, 45309),

Gene: InvictusManeo_62 Start: 44067, Stop: 45779, Start Num: 66

Candidate Starts for InvictusManeo_62:

(Start: 66 @44067 has 22 MA's), (84, 44160), (88, 44202), (Start: 95 @44238 has 1 MA's), (96, 44241), (99, 44265), (100, 44274), (107, 44313), (110, 44331), (118, 44388), (121, 44415), (122, 44418), (130, 44481), (137, 44541), (140, 44571), (141, 44580), (151, 44655), (152, 44658), (159, 44703), (161, 44730), (162, 44739), (163, 44742), (171, 44808), (172, 44811), (173, 44814), (175, 44829), (176, 44844), (186, 44889), (188, 44901), (200, 44979), (201, 45003), (202, 45015), (203, 45018), (204, 45021), (206, 45042), (208, 45060), (213, 45108), (219, 45147), (222, 45168), (243, 45252), (254, 45294), (259, 45318), (265, 45363), (266, 45366), (276, 45399), (283, 45423), (294, 45477), (297, 45483), (302, 45507), (333, 45624), (337, 45666), (341, 45690),

Gene: Iridoclysis_52 Start: 47026, Stop: 45230, Start Num: 39

Candidate Starts for Iridoclysis_52:

(Start: 39 @47026 has 104 MA's), (Start: 64 @46933 has 144 MA's), (Start: 74 @46909 has 11 MA's), (Start: 79 @46852 has 1 MA's), (Start: 81 @46843 has 2 MA's), (96, 46753), (100, 46720), (110, 46663), (112, 46651), (114, 46627), (117, 46615), (118, 46606), (128, 46546), (137, 46456), (141, 46411), (148, 46351), (157, 46297), (163, 46249), (166, 46228), (188, 46096), (197, 46027), (199, 46021), (201, 45994), (203, 45979), (208, 45937), (213, 45889), (216, 45859), (221, 45832), (255, 45706), (257, 45700), (260, 45673), (272, 45628), (277, 45613), (279, 45607), (292, 45553), (297, 45544), (346, 45316), (355, 45280),

Gene: IsaacEli_53 Start: 47185, Stop: 45389, Start Num: 39

Candidate Starts for IsaacEli_53:

(Start: 39 @47185 has 104 MA's), (Start: 64 @47092 has 144 MA's), (Start: 74 @47068 has 11 MA's), (Start: 79 @47011 has 1 MA's), (Start: 81 @47002 has 2 MA's), (96, 46912), (100, 46879), (110, 46822), (112, 46810), (114, 46786), (117, 46774), (118, 46765), (128, 46705), (137, 46615), (141, 46570), (148, 46510), (163, 46408), (166, 46387), (188, 46255), (197, 46186), (199, 46180), (201, 46153), (203, 46138), (208, 46096), (213, 46048), (216, 46018), (221, 45991), (255, 45865), (257, 45859), (260, 45832), (272, 45787), (277, 45772), (279, 45766), (292, 45712), (297, 45703), (346, 45475), (355, 45439),

Gene: ItsyBitsy1_51 Start: 46562, Stop: 44847, Start Num: 64

Candidate Starts for ItsyBitsy1_51:

(Start: 64 @46562 has 144 MA's), (94, 46379), (Start: 95 @46376 has 1 MA's), (100, 46340), (101, 46328), (103, 46319), (110, 46283), (111, 46280), (114, 46247), (118, 46226), (124, 46184), (137,

46076), (141, 46037), (153, 45956), (157, 45923), (159, 45914), (163, 45875), (166, 45854), (167, 45851), (173, 45809), (175, 45794), (176, 45779), (183, 45749), (188, 45722), (192, 45674), (198, 45650), (199, 45647), (201, 45620), (202, 45608), (204, 45602), (208, 45563), (213, 45515), (216, 45485), (217, 45479), (226, 45434), (239, 45359), (243, 45347), (249, 45320), (250, 45317), (254, 45302), (265, 45236), (277, 45203), (301, 45125), (312, 45095), (313, 45092), (316, 45080), (324, 45041), (346, 44921), (362, 44855),

Gene: JAMaL_47 Start: 47593, Stop: 45878, Start Num: 64

Candidate Starts for JAMaL_47:

(Start: 64 @47593 has 144 MA's), (97, 47401), (100, 47371), (103, 47350), (110, 47314), (114, 47278), (116, 47269), (118, 47257), (135, 47128), (137, 47107), (138, 47086), (148, 47008), (153, 46987), (157, 46954), (159, 46945), (162, 46909), (163, 46906), (167, 46882), (186, 46765), (188, 46753), (191, 46729), (197, 46684), (199, 46678), (201, 46651), (202, 46639), (203, 46636), (208, 46594), (213, 46546), (216, 46516), (226, 46465), (239, 46417), (250, 46381), (255, 46360), (256, 46357), (262, 46318), (271, 46282), (276, 46267), (277, 46264), (281, 46255), (285, 46237), (289, 46210), (297, 46189), (322, 46078), (332, 46045), (346, 45955), (356, 45916),

Gene: JDog_52 Start: 46667, Stop: 44964, Start Num: 64

Candidate Starts for JDog_52:

(Start: 39 @46760 has 104 MA's), (Start: 64 @46667 has 144 MA's), (Start: 74 @46643 has 11 MA's), (Start: 79 @46586 has 1 MA's), (Start: 81 @46577 has 2 MA's), (96, 46487), (100, 46454), (110, 46397), (112, 46385), (114, 46361), (117, 46349), (118, 46340), (128, 46280), (137, 46190), (141, 46145), (148, 46085), (157, 46031), (163, 45983), (166, 45962), (188, 45830), (197, 45761), (199, 45755), (201, 45728), (203, 45713), (208, 45671), (213, 45623), (216, 45593), (221, 45566), (255, 45440), (257, 45434), (260, 45407), (272, 45362), (277, 45347), (279, 45341), (292, 45287), (297, 45278), (346, 45050), (355, 45014),

Gene: JacAttac_53 Start: 47167, Stop: 45371, Start Num: 39

Candidate Starts for JacAttac_53:

(Start: 39 @47167 has 104 MA's), (Start: 64 @47074 has 144 MA's), (Start: 74 @47050 has 11 MA's), (Start: 79 @46993 has 1 MA's), (Start: 81 @46984 has 2 MA's), (96, 46894), (100, 46861), (110, 46804), (112, 46792), (114, 46768), (117, 46756), (118, 46747), (128, 46687), (137, 46597), (141, 46552), (148, 46492), (157, 46438), (163, 46390), (166, 46369), (188, 46237), (197, 46168), (199, 46162), (201, 46135), (203, 46120), (208, 46078), (213, 46030), (216, 46000), (221, 45973), (255, 45847), (257, 45841), (260, 45814), (271, 45772), (272, 45769), (277, 45754), (279, 45748), (292, 45694), (297, 45685), (346, 45457), (355, 45421),

Gene: Jackstina_48 Start: 47078, Stop: 45381, Start Num: 59

Candidate Starts for Jackstina_48:

(Start: 59 @47078 has 33 MA's), (Start: 95 @46880 has 1 MA's), (100, 46844), (110, 46787), (118, 46730), (124, 46688), (126, 46682), (131, 46625), (136, 46598), (137, 46580), (148, 46475), (161, 46385), (163, 46373), (166, 46352), (173, 46307), (183, 46244), (194, 46160), (198, 46145), (199, 46142), (200, 46139), (201, 46115), (204, 46097), (208, 46058), (213, 46010), (216, 45980), (220, 45956), (227, 45914), (253, 45836), (259, 45809), (268, 45758), (277, 45734), (292, 45686), (307, 45647), (319, 45605), (338, 45500), (346, 45458), (349, 45443),

Gene: JaguarMi_49 Start: 48522, Stop: 46810, Start Num: 64

Candidate Starts for JaguarMi_49:

(Start: 64 @48522 has 144 MA's), (94, 48339), (100, 48300), (103, 48279), (114, 48210), (135, 48060), (137, 48039), (148, 47940), (153, 47919), (157, 47886), (159, 47877), (163, 47838), (166, 47817), (167, 47814), (170, 47799), (184, 47703), (186, 47697), (188, 47685), (197, 47616), (199, 47610), (201, 47583), (202, 47571), (203, 47568), (208, 47526), (213, 47478), (216, 47448), (226, 47397), (250, 47313), (254, 47298), (255, 47292), (261, 47256), (262, 47250), (271, 47214), (276,

47199), (277, 47196), (281, 47187), (285, 47169), (289, 47142), (297, 47121), (322, 47010), (332, 46977), (346, 46887), (356, 46848),

Gene: JakeO_51 Start: 46666, Stop: 44963, Start Num: 64

Candidate Starts for JakeO_51:

(Start: 39 @46759 has 104 MA's), (Start: 64 @46666 has 144 MA's), (Start: 74 @46642 has 11 MA's), (Start: 79 @46585 has 1 MA's), (Start: 81 @46576 has 2 MA's), (96, 46486), (100, 46453), (110, 46396), (112, 46384), (114, 46360), (117, 46348), (118, 46339), (128, 46279), (137, 46189), (141, 46144), (148, 46084), (157, 46030), (163, 45982), (166, 45961), (188, 45829), (197, 45760), (199, 45754), (201, 45727), (203, 45712), (208, 45670), (213, 45622), (216, 45592), (221, 45565), (255, 45439), (257, 45433), (260, 45406), (272, 45361), (277, 45346), (279, 45340), (292, 45286), (297, 45277), (346, 45049), (355, 45013),

Gene: JangoPhett_52 Start: 47037, Stop: 45241, Start Num: 39

Candidate Starts for JangoPhett_52:

(Start: 39 @47037 has 104 MA's), (Start: 64 @46944 has 144 MA's), (Start: 74 @46920 has 11 MA's), (Start: 79 @46863 has 1 MA's), (Start: 81 @46854 has 2 MA's), (96, 46764), (100, 46731), (110, 46674), (112, 46662), (114, 46638), (117, 46626), (118, 46617), (128, 46557), (137, 46467), (141, 46422), (148, 46362), (157, 46308), (163, 46260), (166, 46239), (188, 46107), (197, 46038), (199, 46032), (201, 46005), (203, 45990), (208, 45948), (213, 45900), (216, 45870), (221, 45843), (255, 45717), (257, 45711), (260, 45684), (272, 45639), (277, 45624), (279, 45618), (292, 45564), (297, 45555), (346, 45327), (355, 45291),

Gene: Jillium_51 Start: 46663, Stop: 44960, Start Num: 64

Candidate Starts for Jillium_51:

(Start: 39 @46756 has 104 MA's), (Start: 64 @46663 has 144 MA's), (Start: 74 @46639 has 11 MA's), (Start: 79 @46582 has 1 MA's), (Start: 81 @46573 has 2 MA's), (96, 46483), (100, 46450), (110, 46393), (112, 46381), (114, 46357), (117, 46345), (118, 46336), (128, 46276), (137, 46186), (141, 46141), (148, 46081), (163, 45979), (166, 45958), (188, 45826), (197, 45757), (199, 45751), (201, 45724), (203, 45709), (208, 45667), (213, 45619), (216, 45589), (221, 45562), (255, 45436), (257, 45430), (260, 45403), (271, 45361), (272, 45358), (277, 45343), (279, 45337), (292, 45283), (297, 45274), (346, 45046), (355, 45010),

Gene: Jiminy_51 Start: 46501, Stop: 44798, Start Num: 64

Candidate Starts for Jiminy_51:

(Start: 39 @46594 has 104 MA's), (Start: 64 @46501 has 144 MA's), (Start: 74 @46477 has 11 MA's), (Start: 79 @46420 has 1 MA's), (Start: 81 @46411 has 2 MA's), (96, 46321), (100, 46288), (110, 46231), (112, 46219), (114, 46195), (117, 46183), (118, 46174), (128, 46114), (137, 46024), (141, 45979), (148, 45919), (157, 45865), (163, 45817), (166, 45796), (188, 45664), (197, 45595), (199, 45589), (201, 45562), (203, 45547), (208, 45505), (213, 45457), (216, 45427), (221, 45400), (255, 45274), (257, 45268), (260, 45241), (272, 45196), (277, 45181), (279, 45175), (292, 45121), (297, 45112), (346, 44884), (355, 44848),

Gene: Jiraiya_54 Start: 46630, Stop: 44951, Start Num: 74

Candidate Starts for Jiraiya_54:

(Start: 39 @46747 has 104 MA's), (Start: 64 @46654 has 144 MA's), (Start: 74 @46630 has 11 MA's), (Start: 79 @46573 has 1 MA's), (Start: 81 @46564 has 2 MA's), (96, 46474), (100, 46441), (110, 46384), (112, 46372), (114, 46348), (117, 46336), (118, 46327), (128, 46267), (137, 46177), (141, 46132), (148, 46072), (157, 46018), (163, 45970), (166, 45949), (188, 45817), (197, 45748), (199, 45742), (201, 45715), (203, 45700), (208, 45658), (213, 45610), (216, 45580), (221, 45553), (255, 45427), (257, 45421), (260, 45394), (272, 45349), (277, 45334), (279, 45328), (292, 45274), (297, 45265), (346, 45037), (355, 45001),

Gene: Jolie1_046 Start: 45511, Stop: 43766, Start Num: 64

Candidate Starts for Jolie1_046:

(41, 45613), (Start: 64 @45511 has 144 MA's), (100, 45292), (113, 45205), (114, 45202), (118, 45181), (135, 45052), (137, 45031), (138, 45010), (141, 44992), (143, 44980), (146, 44944), (153, 44911), (157, 44878), (159, 44869), (162, 44833), (163, 44830), (166, 44809), (186, 44689), (188, 44677), (191, 44653), (196, 44614), (199, 44602), (201, 44575), (202, 44563), (208, 44518), (209, 44515), (213, 44470), (216, 44440), (226, 44389), (232, 44341), (250, 44260), (256, 44236), (262, 44197), (265, 44179), (271, 44161), (276, 44149), (284, 44122), (285, 44119), (289, 44092), (303, 44047), (306, 44038), (316, 43996), (346, 43840),

Gene: KLucky39_52 Start: 46960, Stop: 45257, Start Num: 63

Candidate Starts for KLucky39_52:

(13, 47293), (15, 47266), (Start: 63 @46960 has 65 MA's), (Start: 74 @46936 has 11 MA's), (Start: 79 @46879 has 1 MA's), (Start: 81 @46870 has 2 MA's), (96, 46780), (100, 46747), (110, 46690), (112, 46678), (114, 46654), (117, 46642), (118, 46633), (128, 46573), (137, 46483), (141, 46438), (163, 46276), (166, 46255), (188, 46123), (197, 46054), (199, 46048), (201, 46021), (203, 46006), (208, 45964), (213, 45916), (216, 45886), (221, 45859), (255, 45733), (257, 45727), (260, 45700), (272, 45655), (277, 45640), (279, 45634), (292, 45580), (297, 45571), (346, 45343), (355, 45307),

Gene: Kahve_51 Start: 46751, Stop: 44955, Start Num: 39

Candidate Starts for Kahve_51:

(Start: 39 @46751 has 104 MA's), (Start: 64 @46658 has 144 MA's), (Start: 74 @46634 has 11 MA's), (Start: 79 @46577 has 1 MA's), (Start: 81 @46568 has 2 MA's), (96, 46478), (100, 46445), (110, 46388), (112, 46376), (114, 46352), (117, 46340), (118, 46331), (128, 46271), (137, 46181), (141, 46136), (148, 46076), (157, 46022), (163, 45974), (166, 45953), (188, 45821), (197, 45752), (199, 45746), (201, 45719), (203, 45704), (208, 45662), (213, 45614), (216, 45584), (221, 45557), (255, 45431), (257, 45425), (260, 45398), (272, 45353), (277, 45338), (279, 45332), (292, 45278), (297, 45269), (346, 45041), (355, 45005),

Gene: Kailash_52 Start: 47113, Stop: 45317, Start Num: 39

Candidate Starts for Kailash_52:

(Start: 39 @47113 has 104 MA's), (Start: 64 @47020 has 144 MA's), (Start: 74 @46996 has 11 MA's), (Start: 79 @46939 has 1 MA's), (Start: 81 @46930 has 2 MA's), (96, 46840), (100, 46807), (110, 46750), (112, 46738), (114, 46714), (117, 46702), (118, 46693), (128, 46633), (137, 46543), (141, 46498), (148, 46438), (157, 46384), (163, 46336), (166, 46315), (188, 46183), (197, 46114), (199, 46108), (201, 46081), (203, 46066), (208, 46024), (213, 45976), (216, 45946), (221, 45919), (255, 45793), (257, 45787), (260, 45760), (272, 45715), (277, 45700), (279, 45694), (292, 45640), (297, 45631), (346, 45403), (355, 45367),

Gene: Kaleb_51 Start: 46709, Stop: 44994, Start Num: 64

Candidate Starts for Kaleb_51:

(10, 47138), (12, 47102), (14, 47030), (16, 47015), (20, 46964), (Start: 64 @46709 has 144 MA's), (70, 46697), (94, 46526), (Start: 95 @46523 has 1 MA's), (100, 46487), (101, 46475), (103, 46466), (110, 46430), (111, 46427), (114, 46394), (124, 46331), (137, 46223), (141, 46184), (153, 46103), (157, 46070), (159, 46061), (163, 46022), (166, 46001), (167, 45998), (173, 45956), (175, 45941), (176, 45926), (183, 45896), (188, 45869), (192, 45821), (198, 45797), (199, 45794), (201, 45767), (202, 45755), (204, 45749), (208, 45710), (213, 45662), (216, 45632), (217, 45626), (226, 45581), (239, 45506), (243, 45494), (249, 45467), (250, 45464), (254, 45449), (265, 45383), (277, 45350), (301, 45272), (312, 45242), (313, 45239), (316, 45227), (324, 45188), (338, 45110), (339, 45107), (346, 45068), (362, 45002),

Gene: Kamiyu_52 Start: 47228, Stop: 45429, Start Num: 39

Candidate Starts for Kamiyu_52:

(17, 47414), (19, 47393), (24, 47318), (Start: 39 @47228 has 104 MA's), (45, 47204), (Start: 48 @47198 has 3 MA's), (49, 47195), (Start: 59 @47126 has 33 MA's), (Start: 95 @46928 has 1 MA's), (100, 46892), (110, 46835), (118, 46778), (124, 46736), (126, 46730), (131, 46673), (136, 46646), (137, 46628), (148, 46523), (161, 46433), (163, 46421), (166, 46400), (173, 46355), (183, 46292), (194, 46208), (198, 46193), (199, 46190), (200, 46187), (201, 46163), (204, 46145), (208, 46106), (213, 46058), (216, 46028), (220, 46004), (227, 45962), (253, 45884), (259, 45857), (268, 45806), (277, 45782), (307, 45695), (319, 45653), (338, 45548), (341, 45533), (346, 45506), (349, 45491),

Gene: Katniss_53 Start: 47077, Stop: 45398, Start Num: 74

Candidate Starts for Katniss_53:

(Start: 39 @47194 has 104 MA's), (Start: 64 @47101 has 144 MA's), (Start: 74 @47077 has 11 MA's), (Start: 79 @47020 has 1 MA's), (Start: 81 @47011 has 2 MA's), (96, 46921), (100, 46888), (110, 46831), (112, 46819), (114, 46795), (117, 46783), (118, 46774), (128, 46714), (137, 46624), (141, 46579), (148, 46519), (163, 46417), (166, 46396), (188, 46264), (197, 46195), (199, 46189), (201, 46162), (203, 46147), (208, 46105), (213, 46057), (216, 46027), (221, 46000), (255, 45874), (257, 45868), (260, 45841), (271, 45799), (272, 45796), (277, 45781), (279, 45775), (292, 45721), (297, 45712), (346, 45484), (355, 45448),

Gene: KayaCho_45 Start: 45298, Stop: 43550, Start Num: 64

Candidate Starts for KayaCho_45:

(Start: 64 @45298 has 144 MA's), (83, 45196), (87, 45163), (100, 45079), (114, 44986), (118, 44965), (135, 44836), (137, 44815), (138, 44794), (146, 44728), (153, 44695), (159, 44653), (162, 44617), (163, 44614), (166, 44593), (175, 44533), (186, 44473), (188, 44461), (191, 44437), (196, 44398), (199, 44386), (201, 44359), (202, 44347), (208, 44302), (209, 44299), (213, 44254), (216, 44224), (226, 44173), (232, 44125), (256, 44020), (262, 43981), (265, 43963), (271, 43945), (276, 43933), (277, 43930), (285, 43903), (289, 43876), (303, 43831), (306, 43822), (325, 43738), (346, 43624),

Gene: Keitherie_52 Start: 47001, Stop: 45298, Start Num: 64

Candidate Starts for Keitherie_52:

(Start: 39 @47094 has 104 MA's), (Start: 64 @47001 has 144 MA's), (Start: 74 @46977 has 11 MA's), (Start: 79 @46920 has 1 MA's), (Start: 81 @46911 has 2 MA's), (96, 46821), (100, 46788), (110, 46731), (112, 46719), (114, 46695), (117, 46683), (118, 46674), (128, 46614), (137, 46524), (141, 46479), (148, 46419), (157, 46365), (163, 46317), (166, 46296), (188, 46164), (197, 46095), (199, 46089), (201, 46062), (203, 46047), (208, 46005), (213, 45957), (216, 45927), (221, 45900), (255, 45774), (257, 45768), (260, 45741), (272, 45696), (277, 45681), (279, 45675), (292, 45621), (297, 45612), (346, 45384), (355, 45348),

Gene: Kheth_51 Start: 46598, Stop: 44883, Start Num: 64

Candidate Starts for Kheth_51:

(10, 47027), (12, 46991), (14, 46919), (20, 46853), (Start: 64 @46598 has 144 MA's), (70, 46586), (94, 46415), (Start: 95 @46412 has 1 MA's), (100, 46376), (101, 46364), (103, 46355), (110, 46319), (111, 46316), (114, 46283), (124, 46220), (137, 46112), (141, 46073), (153, 45992), (157, 45959), (159, 45950), (163, 45911), (166, 45890), (167, 45887), (173, 45845), (175, 45830), (176, 45815), (183, 45785), (188, 45758), (192, 45710), (198, 45686), (199, 45683), (201, 45656), (202, 45644), (204, 45638), (208, 45599), (213, 45551), (216, 45521), (217, 45515), (226, 45470), (239, 45395), (243, 45383), (249, 45356), (250, 45353), (254, 45338), (265, 45272), (277, 45239), (301, 45161), (312, 45131), (313, 45128), (316, 45116), (324, 45077), (338, 44999), (346, 44957), (362, 44891),

Gene: Kikipoo_53 Start: 47185, Stop: 45389, Start Num: 39

Candidate Starts for Kikipoo_53:

(Start: 39 @47185 has 104 MA's), (Start: 64 @47092 has 144 MA's), (Start: 74 @47068 has 11 MA's), (Start: 79 @47011 has 1 MA's), (Start: 81 @47002 has 2 MA's), (96, 46912), (100, 46879), (110, 46822), (112, 46810), (114, 46786), (117, 46774), (118, 46765), (128, 46705), (137, 46615), (141,

46570), (148, 46510), (163, 46408), (166, 46387), (188, 46255), (197, 46186), (199, 46180), (201, 46153), (203, 46138), (208, 46096), (213, 46048), (216, 46018), (221, 45991), (255, 45865), (257, 45859), (260, 45832), (272, 45787), (277, 45772), (279, 45766), (292, 45712), (297, 45703), (346, 45475), (355, 45439),

Gene: Kimbrough_52 Start: 46665, Stop: 44962, Start Num: 64

Candidate Starts for Kimbrough_52:

(23, 46848), (25, 46842), (Start: 64 @46665 has 144 MA's), (Start: 74 @46641 has 11 MA's), (Start: 79 @46584 has 1 MA's), (Start: 81 @46575 has 2 MA's), (96, 46485), (100, 46452), (110, 46395), (112, 46383), (114, 46359), (117, 46347), (118, 46338), (128, 46278), (137, 46188), (141, 46143), (148, 46083), (157, 46029), (163, 45981), (166, 45960), (188, 45828), (197, 45759), (199, 45753), (201, 45726), (203, 45711), (208, 45669), (213, 45621), (216, 45591), (221, 45564), (255, 45438), (257, 45432), (260, 45405), (272, 45360), (277, 45345), (279, 45339), (292, 45285), (297, 45276), (346, 45048), (355, 45012),

Gene: KingTut_43 Start: 42421, Stop: 40625, Start Num: 39

Candidate Starts for KingTut_43:

(Start: 39 @42421 has 104 MA's), (Start: 64 @42328 has 144 MA's), (Start: 74 @42304 has 11 MA's), (Start: 79 @42247 has 1 MA's), (Start: 81 @42238 has 2 MA's), (96, 42148), (100, 42115), (110, 42058), (112, 42046), (114, 42022), (117, 42010), (118, 42001), (128, 41941), (137, 41851), (141, 41806), (148, 41746), (157, 41692), (163, 41644), (166, 41623), (188, 41491), (197, 41422), (199, 41416), (201, 41389), (203, 41374), (208, 41332), (213, 41284), (216, 41254), (221, 41227), (255, 41101), (257, 41095), (260, 41068), (272, 41023), (277, 41008), (279, 41002), (292, 40948), (297, 40939), (346, 40711), (355, 40675),

Gene: KingVeVeVe_52 Start: 46936, Stop: 45233, Start Num: 63

Candidate Starts for KingVeVeVe_52:

(Start: 63 @46936 has 65 MA's), (Start: 74 @46912 has 11 MA's), (Start: 79 @46855 has 1 MA's), (Start: 81 @46846 has 2 MA's), (96, 46756), (100, 46723), (110, 46666), (112, 46654), (114, 46630), (117, 46618), (118, 46609), (128, 46549), (137, 46459), (141, 46414), (148, 46354), (163, 46252), (166, 46231), (188, 46099), (197, 46030), (199, 46024), (201, 45997), (203, 45982), (208, 45940), (213, 45892), (216, 45862), (221, 45835), (255, 45709), (257, 45703), (260, 45676), (272, 45631), (277, 45616), (279, 45610), (292, 45556), (297, 45547), (346, 45319), (355, 45283),

Gene: KlimbOn_52 Start: 46954, Stop: 45251, Start Num: 63

Candidate Starts for KlimbOn_52:

(Start: 63 @46954 has 65 MA's), (Start: 74 @46930 has 11 MA's), (Start: 79 @46873 has 1 MA's), (Start: 81 @46864 has 2 MA's), (96, 46774), (100, 46741), (110, 46684), (112, 46672), (114, 46648), (117, 46636), (118, 46627), (128, 46567), (137, 46477), (141, 46432), (148, 46372), (157, 46318), (163, 46270), (166, 46249), (188, 46117), (197, 46048), (199, 46042), (201, 46015), (203, 46000), (208, 45958), (213, 45910), (216, 45880), (221, 45853), (255, 45727), (257, 45721), (260, 45694), (271, 45652), (272, 45649), (277, 45634), (279, 45628), (292, 45574), (297, 45565), (346, 45337), (355, 45301),

Gene: Kloppinator_53 Start: 47367, Stop: 45664, Start Num: 63

Candidate Starts for Kloppinator_53:

(Start: 63 @47367 has 65 MA's), (Start: 74 @47343 has 11 MA's), (Start: 79 @47286 has 1 MA's), (Start: 81 @47277 has 2 MA's), (96, 47187), (100, 47154), (110, 47097), (112, 47085), (114, 47061), (117, 47049), (118, 47040), (128, 46980), (137, 46890), (141, 46845), (148, 46785), (157, 46731), (163, 46683), (166, 46662), (188, 46530), (197, 46461), (199, 46455), (201, 46428), (203, 46413), (208, 46371), (213, 46323), (216, 46293), (221, 46266), (255, 46140), (257, 46134), (260, 46107), (271, 46065), (272, 46062), (277, 46047), (279, 46041), (292, 45987), (297, 45978), (346, 45750), (355, 45714),

Gene: Knocker_54 Start: 49679, Stop: 47895, Start Num: 46

Candidate Starts for Knocker_54:

(Start: 46 @49679 has 1 MA's), (Start: 64 @49610 has 144 MA's), (84, 49505), (91, 49445), (100, 49391), (106, 49358), (110, 49337), (114, 49301), (117, 49289), (118, 49280), (121, 49253), (131, 49175), (135, 49151), (137, 49130), (146, 49043), (157, 48977), (159, 48968), (161, 48941), (162, 48932), (163, 48929), (167, 48905), (170, 48890), (173, 48863), (186, 48788), (188, 48776), (197, 48707), (199, 48701), (201, 48674), (202, 48662), (208, 48617), (210, 48602), (216, 48539), (218, 48530), (226, 48488), (227, 48473), (228, 48467), (237, 48455), (242, 48440), (249, 48410), (250, 48407), (254, 48392), (255, 48386), (256, 48383), (262, 48344), (265, 48326), (271, 48308), (277, 48290), (301, 48179), (322, 48095), (325, 48086), (330, 48068), (346, 47972), (358, 47930), (361, 47909),

Gene: Kratio_62 Start: 43803, Stop: 45518, Start Num: 66

Candidate Starts for Kratio_62:

(Start: 66 @43803 has 22 MA's), (84, 43896), (88, 43938), (Start: 95 @43974 has 1 MA's), (96, 43977), (99, 44001), (100, 44010), (107, 44049), (110, 44067), (118, 44124), (121, 44151), (122, 44154), (130, 44217), (137, 44277), (140, 44307), (141, 44316), (151, 44391), (152, 44394), (161, 44466), (162, 44475), (163, 44478), (171, 44544), (172, 44547), (173, 44550), (175, 44565), (176, 44580), (179, 44595), (186, 44625), (188, 44637), (201, 44739), (202, 44751), (203, 44754), (204, 44757), (206, 44778), (208, 44796), (213, 44844), (218, 44877), (222, 44904), (254, 45033), (259, 45057), (265, 45102), (266, 45105), (276, 45138), (283, 45162), (294, 45216), (297, 45222), (302, 45246), (333, 45363), (337, 45405), (341, 45429),

Gene: Kronus_52 Start: 48200, Stop: 46503, Start Num: 59

Candidate Starts for Kronus_52:

(Start: 59 @48200 has 33 MA's), (Start: 95 @48002 has 1 MA's), (100, 47966), (110, 47909), (118, 47852), (124, 47810), (126, 47804), (131, 47747), (136, 47720), (137, 47702), (148, 47597), (161, 47507), (163, 47495), (166, 47474), (173, 47429), (183, 47366), (194, 47282), (198, 47267), (199, 47264), (200, 47261), (201, 47237), (204, 47219), (208, 47180), (213, 47132), (216, 47102), (220, 47078), (227, 47036), (253, 46958), (259, 46931), (268, 46880), (277, 46856), (307, 46769), (319, 46727), (338, 46622), (346, 46580), (349, 46565),

Gene: Kwadwo_51 Start: 46640, Stop: 44937, Start Num: 64

Candidate Starts for Kwadwo_51:

(Start: 64 @46640 has 144 MA's), (Start: 74 @46616 has 11 MA's), (Start: 79 @46559 has 1 MA's), (Start: 81 @46550 has 2 MA's), (96, 46460), (100, 46427), (110, 46370), (112, 46358), (114, 46334), (117, 46322), (118, 46313), (128, 46253), (137, 46163), (141, 46118), (148, 46058), (157, 46004), (163, 45956), (166, 45935), (188, 45803), (197, 45734), (199, 45728), (201, 45701), (203, 45686), (208, 45644), (213, 45596), (216, 45566), (221, 45539), (255, 45413), (257, 45407), (260, 45380), (271, 45338), (272, 45335), (277, 45320), (279, 45314), (292, 45260), (297, 45251), (346, 45023), (355, 44987),

Gene: Kwksand96_51 Start: 46608, Stop: 44812, Start Num: 39

Candidate Starts for Kwksand96_51:

(Start: 39 @46608 has 104 MA's), (Start: 64 @46515 has 144 MA's), (Start: 74 @46491 has 11 MA's), (Start: 79 @46434 has 1 MA's), (Start: 81 @46425 has 2 MA's), (96, 46335), (100, 46302), (110, 46245), (112, 46233), (114, 46209), (117, 46197), (118, 46188), (128, 46128), (137, 46038), (141, 45993), (148, 45933), (157, 45879), (163, 45831), (166, 45810), (188, 45678), (197, 45609), (199, 45603), (201, 45576), (203, 45561), (208, 45519), (213, 45471), (216, 45441), (221, 45414), (255, 45288), (257, 45282), (260, 45255), (272, 45210), (277, 45195), (279, 45189), (292, 45135), (297, 45126), (346, 44898), (355, 44862),

Gene: Labeouficaum_51 Start: 46603, Stop: 44807, Start Num: 39

Candidate Starts for Labeouficaum_51:

(Start: 39 @46603 has 104 MA's), (Start: 64 @46510 has 144 MA's), (Start: 74 @46486 has 11 MA's), (Start: 79 @46429 has 1 MA's), (Start: 81 @46420 has 2 MA's), (96, 46330), (100, 46297), (110, 46240), (112, 46228), (114, 46204), (117, 46192), (118, 46183), (128, 46123), (137, 46033), (141, 45988), (148, 45928), (157, 45874), (163, 45826), (166, 45805), (188, 45673), (197, 45604), (199, 45598), (201, 45571), (203, 45556), (208, 45514), (213, 45466), (216, 45436), (221, 45409), (255, 45283), (257, 45277), (260, 45250), (272, 45205), (277, 45190), (279, 45184), (292, 45130), (297, 45121), (346, 44893), (355, 44857),

Gene: Lars_51 Start: 46669, Stop: 44954, Start Num: 64

Candidate Starts for Lars_51:

(Start: 64 @46669 has 144 MA's), (94, 46486), (Start: 95 @46483 has 1 MA's), (100, 46447), (101, 46435), (103, 46426), (110, 46390), (111, 46387), (114, 46354), (124, 46291), (137, 46183), (141, 46144), (153, 46063), (157, 46030), (159, 46021), (163, 45982), (166, 45961), (167, 45958), (173, 45916), (175, 45901), (176, 45886), (183, 45856), (188, 45829), (191, 45805), (192, 45781), (198, 45757), (199, 45754), (201, 45727), (202, 45715), (204, 45709), (208, 45670), (213, 45622), (216, 45592), (226, 45541), (229, 45514), (239, 45466), (243, 45454), (249, 45427), (250, 45424), (254, 45409), (265, 45343), (277, 45310), (301, 45232), (312, 45202), (313, 45199), (316, 45187), (324, 45148), (338, 45070), (346, 45028), (362, 44962),

Gene: Larva_65 Start: 45264, Stop: 46979, Start Num: 66

Candidate Starts for Larva_65:

(Start: 66 @45264 has 22 MA's), (84, 45357), (88, 45399), (Start: 95 @45435 has 1 MA's), (96, 45438), (99, 45462), (100, 45471), (107, 45510), (110, 45528), (118, 45585), (121, 45612), (122, 45615), (130, 45678), (137, 45738), (140, 45768), (141, 45777), (151, 45852), (152, 45855), (161, 45927), (162, 45936), (163, 45939), (171, 46005), (172, 46008), (173, 46011), (175, 46026), (176, 46041), (179, 46056), (186, 46086), (188, 46098), (201, 46200), (202, 46212), (203, 46215), (204, 46218), (206, 46239), (208, 46257), (213, 46305), (218, 46338), (222, 46365), (254, 46494), (259, 46518), (265, 46563), (266, 46566), (276, 46599), (283, 46623), (294, 46677), (297, 46683), (302, 46707), (333, 46824), (335, 46839), (337, 46866), (341, 46890),

Gene: LasagnaCat_53 Start: 47179, Stop: 45383, Start Num: 39

Candidate Starts for LasagnaCat_53:

(Start: 39 @47179 has 104 MA's), (Start: 64 @47086 has 144 MA's), (Start: 74 @47062 has 11 MA's), (Start: 79 @47005 has 1 MA's), (Start: 81 @46996 has 2 MA's), (96, 46906), (100, 46873), (110, 46816), (112, 46804), (114, 46780), (117, 46768), (118, 46759), (128, 46699), (137, 46609), (141, 46564), (148, 46504), (157, 46450), (163, 46402), (166, 46381), (188, 46249), (197, 46180), (199, 46174), (201, 46147), (203, 46132), (208, 46090), (213, 46042), (216, 46012), (221, 45985), (255, 45859), (257, 45853), (260, 45826), (272, 45781), (277, 45766), (279, 45760), (292, 45706), (297, 45697), (346, 45469), (355, 45433),

Gene: Lasso_52 Start: 46915, Stop: 45212, Start Num: 64

Candidate Starts for Lasso_52:

(Start: 64 @46915 has 144 MA's), (Start: 74 @46891 has 11 MA's), (Start: 79 @46834 has 1 MA's), (Start: 81 @46825 has 2 MA's), (96, 46735), (100, 46702), (110, 46645), (112, 46633), (114, 46609), (117, 46597), (118, 46588), (128, 46528), (137, 46438), (141, 46393), (148, 46333), (157, 46279), (163, 46231), (166, 46210), (188, 46078), (197, 46009), (199, 46003), (201, 45976), (203, 45961), (208, 45919), (213, 45871), (216, 45841), (221, 45814), (255, 45688), (257, 45682), (260, 45655), (271, 45613), (272, 45610), (277, 45595), (279, 45589), (292, 45535), (297, 45526), (346, 45298), (355, 45262),

Gene: Laurie_50 Start: 46054, Stop: 44342, Start Num: 64

Candidate Starts for Laurie_50:

(Start: 64 @46054 has 144 MA's), (70, 46042), (94, 45871), (Start: 95 @45868 has 1 MA's), (100, 45832), (101, 45820), (103, 45811), (110, 45775), (111, 45772), (114, 45739), (124, 45676), (137, 45568), (141, 45529), (153, 45448), (157, 45415), (159, 45406), (163, 45367), (166, 45346), (167, 45343), (173, 45301), (175, 45286), (176, 45271), (183, 45241), (188, 45214), (191, 45190), (192, 45166), (198, 45142), (199, 45139), (201, 45112), (202, 45100), (204, 45094), (208, 45055), (213, 45007), (216, 44977), (226, 44926), (229, 44899), (239, 44851), (243, 44839), (249, 44815), (250, 44812), (254, 44797), (265, 44731), (277, 44698), (301, 44620), (312, 44590), (313, 44587), (316, 44575), (324, 44536), (338, 44458), (346, 44416), (362, 44350),

Gene: LeeLot_52 Start: 46943, Stop: 45264, Start Num: 74

Candidate Starts for LeeLot_52:

(Start: 63 @46967 has 65 MA's), (Start: 74 @46943 has 11 MA's), (Start: 79 @46886 has 1 MA's), (Start: 81 @46877 has 2 MA's), (96, 46787), (100, 46754), (110, 46697), (112, 46685), (114, 46661), (117, 46649), (118, 46640), (128, 46580), (137, 46490), (141, 46445), (148, 46385), (157, 46331), (163, 46283), (166, 46262), (188, 46130), (197, 46061), (199, 46055), (201, 46028), (203, 46013), (208, 45971), (213, 45923), (216, 45893), (221, 45866), (255, 45740), (257, 45734), (260, 45707), (272, 45662), (277, 45647), (279, 45641), (292, 45587), (297, 45578), (346, 45350), (355, 45314),

Gene: Lego3393_51 Start: 47188, Stop: 45392, Start Num: 39

Candidate Starts for Lego3393_51:

(Start: 39 @47188 has 104 MA's), (Start: 64 @47095 has 144 MA's), (Start: 74 @47071 has 11 MA's), (Start: 79 @47014 has 1 MA's), (Start: 81 @47005 has 2 MA's), (96, 46915), (100, 46882), (110, 46825), (112, 46813), (114, 46789), (117, 46777), (118, 46768), (128, 46708), (137, 46618), (141, 46573), (148, 46513), (157, 46459), (163, 46411), (166, 46390), (188, 46258), (197, 46189), (199, 46183), (201, 46156), (203, 46141), (208, 46099), (213, 46051), (216, 46021), (221, 45994), (255, 45868), (257, 45862), (260, 45835), (272, 45790), (277, 45775), (279, 45769), (292, 45715), (297, 45706), (346, 45478), (355, 45442),

Gene: Legolas_52 Start: 46685, Stop: 44982, Start Num: 64

Candidate Starts for Legolas_52:

(Start: 39 @46778 has 104 MA's), (Start: 64 @46685 has 144 MA's), (Start: 74 @46661 has 11 MA's), (Start: 79 @46604 has 1 MA's), (Start: 81 @46595 has 2 MA's), (96, 46505), (100, 46472), (110, 46415), (112, 46403), (114, 46379), (117, 46367), (118, 46358), (128, 46298), (137, 46208), (141, 46163), (148, 46103), (157, 46049), (163, 46001), (166, 45980), (188, 45848), (197, 45779), (199, 45773), (201, 45746), (203, 45731), (208, 45689), (213, 45641), (216, 45611), (221, 45584), (255, 45458), (257, 45452), (260, 45425), (271, 45383), (272, 45380), (277, 45365), (279, 45359), (292, 45305), (297, 45296), (346, 45068), (355, 45032),

Gene: LeiMonet_53 Start: 46740, Stop: 44944, Start Num: 39

Candidate Starts for LeiMonet_53:

(Start: 39 @46740 has 104 MA's), (Start: 64 @46647 has 144 MA's), (Start: 74 @46623 has 11 MA's), (Start: 79 @46566 has 1 MA's), (Start: 81 @46557 has 2 MA's), (96, 46467), (100, 46434), (110, 46377), (112, 46365), (114, 46341), (117, 46329), (118, 46320), (128, 46260), (137, 46170), (141, 46125), (148, 46065), (157, 46011), (163, 45963), (166, 45942), (188, 45810), (197, 45741), (199, 45735), (201, 45708), (203, 45693), (208, 45651), (213, 45603), (216, 45573), (221, 45546), (255, 45420), (257, 45414), (260, 45387), (272, 45342), (277, 45327), (279, 45321), (292, 45267), (297, 45258), (346, 45030), (355, 44994),

Gene: LemonSlice_52 Start: 46745, Stop: 44949, Start Num: 39

Candidate Starts for LemonSlice_52:

(Start: 39 @46745 has 104 MA's), (Start: 64 @46652 has 144 MA's), (Start: 74 @46628 has 11 MA's), (Start: 79 @46571 has 1 MA's), (Start: 81 @46562 has 2 MA's), (96, 46472), (100, 46439), (110,

46382), (112, 46370), (114, 46346), (117, 46334), (118, 46325), (128, 46265), (137, 46175), (141, 46130), (148, 46070), (157, 46016), (163, 45968), (166, 45947), (188, 45815), (197, 45746), (199, 45740), (201, 45713), (203, 45698), (208, 45656), (213, 45608), (216, 45578), (221, 45551), (255, 45425), (257, 45419), (260, 45392), (272, 45347), (277, 45332), (279, 45326), (292, 45272), (297, 45263), (346, 45035), (355, 44999),

Gene: Lephleur_51 Start: 46575, Stop: 44860, Start Num: 64

Candidate Starts for Lephleur_51:

(10, 47004), (12, 46968), (14, 46896), (16, 46881), (20, 46830), (Start: 64 @46575 has 144 MA's), (70, 46563), (94, 46392), (Start: 95 @46389 has 1 MA's), (100, 46353), (101, 46341), (103, 46332), (110, 46296), (111, 46293), (114, 46260), (124, 46197), (137, 46089), (141, 46050), (153, 45969), (157, 45936), (159, 45927), (163, 45888), (166, 45867), (167, 45864), (173, 45822), (175, 45807), (176, 45792), (183, 45762), (188, 45735), (192, 45687), (198, 45663), (199, 45660), (201, 45633), (202, 45621), (204, 45615), (208, 45576), (213, 45528), (216, 45498), (217, 45492), (226, 45447), (239, 45372), (243, 45360), (249, 45333), (250, 45330), (254, 45315), (265, 45249), (277, 45216), (301, 45138), (312, 45108), (313, 45105), (316, 45093), (324, 45054), (338, 44976), (339, 44973), (346, 44934), (362, 44868),

Gene: Leston_64 Start: 45849, Stop: 47558, Start Num: 66

Candidate Starts for Leston_64:

(Start: 66 @45849 has 22 MA's), (84, 45942), (88, 45984), (Start: 95 @46020 has 1 MA's), (96, 46023), (99, 46047), (100, 46056), (107, 46095), (110, 46113), (118, 46170), (121, 46197), (122, 46200), (130, 46263), (137, 46323), (140, 46353), (141, 46362), (148, 46422), (151, 46437), (152, 46440), (158, 46482), (159, 46485), (162, 46521), (163, 46524), (171, 46590), (172, 46593), (173, 46596), (175, 46611), (176, 46626), (179, 46641), (186, 46671), (188, 46683), (201, 46785), (202, 46797), (203, 46800), (204, 46803), (206, 46824), (208, 46842), (212, 46887), (213, 46890), (219, 46929), (222, 46950), (254, 47079), (265, 47148), (266, 47151), (276, 47184), (277, 47187), (278, 47190), (291, 47253), (294, 47262), (297, 47268), (302, 47292), (312, 47325), (327, 47388), (333, 47409), (335, 47424), (337, 47451), (338, 47460), (341, 47475),

Gene: LestyG_51 Start: 46842, Stop: 45145, Start Num: 59

Candidate Starts for LestyG_51:

(Start: 59 @46842 has 33 MA's), (Start: 95 @46644 has 1 MA's), (100, 46608), (110, 46551), (118, 46494), (124, 46452), (126, 46446), (131, 46389), (136, 46362), (137, 46344), (148, 46239), (161, 46149), (163, 46137), (166, 46116), (173, 46071), (183, 46008), (194, 45924), (198, 45909), (199, 45906), (200, 45903), (201, 45879), (204, 45861), (208, 45822), (213, 45774), (216, 45744), (220, 45720), (227, 45678), (253, 45600), (259, 45573), (265, 45531), (268, 45522), (277, 45498), (307, 45411), (319, 45369), (338, 45264), (346, 45222), (349, 45207), (353, 45189),

Gene: Ligma_46 Start: 40113, Stop: 38449, Start Num: 62

Candidate Starts for Ligma_46:

(37, 40215), (Start: 61 @40116 has 1 MA's), (Start: 62 @40113 has 10 MA's), (93, 39939), (94, 39933), (96, 39927), (100, 39894), (101, 39882), (110, 39837), (135, 39651), (137, 39630), (148, 39531), (153, 39510), (157, 39477), (163, 39429), (171, 39369), (196, 39213), (198, 39204), (201, 39174), (203, 39159), (208, 39117), (213, 39069), (216, 39039), (218, 39030), (277, 38796), (288, 38757), (293, 38748), (316, 38685), (340, 38562), (346, 38526), (364, 38460),

Gene: LilMcDreamy_50 Start: 47527, Stop: 45827, Start Num: 64

Candidate Starts for LilMcDreamy_50:

(43, 47605), (Start: 64 @47527 has 144 MA's), (84, 47428), (100, 47314), (110, 47260), (114, 47224), (128, 47143), (135, 47074), (137, 47053), (157, 46900), (162, 46855), (163, 46852), (173, 46786), (199, 46624), (201, 46597), (202, 46585), (203, 46582), (208, 46540), (209, 46537), (213, 46492), (216, 46462), (226, 46411), (227, 46396), (228, 46390), (233, 46375), (244, 46345), (247, 46333),

(250, 46321), (255, 46300), (256, 46297), (265, 46240), (271, 46222), (277, 46204), (284, 46180), (305, 46105), (325, 46021), (346, 45907), (359, 45856),

Gene: LittleMunchkin_47 Start: 42897, Stop: 41230, Start Num: 62

Candidate Starts for LittleMunchkin_47:

(Start: 62 @42897 has 10 MA's), (73, 42864), (76, 42837), (78, 42828), (84, 42786), (93, 42717), (94, 42711), (96, 42705), (100, 42672), (124, 42516), (128, 42498), (135, 42429), (137, 42408), (153, 42288), (163, 42207), (166, 42186), (171, 42147), (198, 41982), (199, 41979), (201, 41952), (202, 41940), (203, 41937), (208, 41895), (216, 41817), (276, 41574), (277, 41571), (288, 41532), (293, 41523), (314, 41466), (316, 41460), (329, 41400), (346, 41301),

Gene: LizLemon_51 Start: 46691, Stop: 44976, Start Num: 64

Candidate Starts for LizLemon_51:

(10, 47120), (12, 47084), (14, 47012), (20, 46946), (Start: 64 @46691 has 144 MA's), (94, 46508), (Start: 95 @46505 has 1 MA's), (100, 46469), (101, 46457), (103, 46448), (110, 46412), (111, 46409), (114, 46376), (124, 46313), (137, 46205), (141, 46166), (153, 46085), (157, 46052), (159, 46043), (163, 46004), (166, 45983), (167, 45980), (173, 45938), (175, 45923), (176, 45908), (183, 45878), (188, 45851), (192, 45803), (198, 45779), (199, 45776), (201, 45749), (202, 45737), (204, 45731), (208, 45692), (213, 45644), (216, 45614), (226, 45563), (229, 45536), (239, 45488), (243, 45476), (249, 45449), (250, 45446), (254, 45431), (265, 45365), (277, 45332), (301, 45254), (312, 45224), (313, 45221), (316, 45209), (324, 45170), (338, 45092), (346, 45050), (362, 44984),

Gene: Lolalove_48 Start: 47423, Stop: 45711, Start Num: 64

Candidate Starts for Lolalove_48:

(Start: 64 @47423 has 144 MA's), (94, 47240), (100, 47201), (103, 47180), (114, 47111), (128, 47030), (135, 46961), (137, 46940), (148, 46841), (153, 46820), (157, 46787), (159, 46778), (162, 46742), (163, 46739), (167, 46715), (184, 46604), (186, 46598), (188, 46586), (197, 46517), (199, 46511), (201, 46484), (202, 46472), (203, 46469), (208, 46427), (213, 46379), (216, 46349), (250, 46214), (254, 46199), (255, 46193), (256, 46190), (261, 46157), (262, 46151), (264, 46142), (271, 46115), (276, 46100), (277, 46097), (281, 46088), (285, 46070), (289, 46043), (297, 46022), (322, 45911), (346, 45788), (356, 45749), (359, 45737),

Gene: Longacauda_51 Start: 46741, Stop: 44945, Start Num: 39

Candidate Starts for Longacauda_51:

(Start: 39 @46741 has 104 MA's), (Start: 64 @46648 has 144 MA's), (Start: 74 @46624 has 11 MA's), (Start: 79 @46567 has 1 MA's), (Start: 81 @46558 has 2 MA's), (96, 46468), (100, 46435), (110, 46378), (112, 46366), (114, 46342), (117, 46330), (118, 46321), (128, 46261), (137, 46171), (141, 46126), (148, 46066), (157, 46012), (163, 45964), (166, 45943), (188, 45811), (197, 45742), (199, 45736), (201, 45709), (203, 45694), (208, 45652), (213, 45604), (216, 45574), (221, 45547), (255, 45421), (257, 45415), (260, 45388), (271, 45346), (272, 45343), (277, 45328), (279, 45322), (292, 45268), (297, 45259), (346, 45031), (355, 44995),

Gene: Lopsy_51 Start: 46513, Stop: 44810, Start Num: 64

Candidate Starts for Lopsy_51:

(Start: 39 @46609 has 104 MA's), (Start: 64 @46513 has 144 MA's), (Start: 74 @46489 has 11 MA's), (Start: 79 @46432 has 1 MA's), (Start: 81 @46423 has 2 MA's), (96, 46333), (100, 46300), (110, 46243), (112, 46231), (114, 46207), (117, 46195), (118, 46186), (128, 46126), (137, 46036), (141, 45991), (148, 45931), (163, 45829), (166, 45808), (188, 45676), (197, 45607), (199, 45601), (201, 45574), (203, 45559), (208, 45517), (213, 45469), (216, 45439), (221, 45412), (255, 45286), (257, 45280), (260, 45253), (272, 45208), (277, 45193), (279, 45187), (292, 45133), (297, 45124), (346, 44896), (355, 44860),

Gene: LostAndPhound_51 Start: 46667, Stop: 44964, Start Num: 64

Candidate Starts for LostAndPhound_51:

(Start: 39 @46760 has 104 MA's), (Start: 64 @46667 has 144 MA's), (Start: 74 @46643 has 11 MA's), (Start: 79 @46586 has 1 MA's), (Start: 81 @46577 has 2 MA's), (96, 46487), (100, 46454), (110, 46397), (112, 46385), (114, 46361), (117, 46349), (118, 46340), (128, 46280), (137, 46190), (141, 46145), (148, 46085), (157, 46031), (163, 45983), (166, 45962), (188, 45830), (197, 45761), (199, 45755), (201, 45728), (203, 45713), (208, 45671), (213, 45623), (216, 45593), (221, 45566), (255, 45440), (257, 45434), (260, 45407), (271, 45365), (272, 45362), (277, 45347), (279, 45341), (292, 45287), (297, 45278), (346, 45050), (355, 45014),

Gene: LuckyMarjie_51 Start: 46655, Stop: 44952, Start Num: 63

Candidate Starts for LuckyMarjie_51:

(Start: 63 @46655 has 65 MA's), (Start: 74 @46631 has 11 MA's), (Start: 79 @46574 has 1 MA's), (Start: 81 @46565 has 2 MA's), (96, 46475), (100, 46442), (110, 46385), (112, 46373), (114, 46349), (117, 46337), (118, 46328), (128, 46268), (137, 46178), (141, 46133), (148, 46073), (157, 46019), (163, 45971), (166, 45950), (188, 45818), (197, 45749), (199, 45743), (201, 45716), (203, 45701), (208, 45659), (213, 45611), (216, 45581), (221, 45554), (255, 45428), (257, 45422), (260, 45395), (272, 45350), (277, 45335), (279, 45329), (292, 45275), (297, 45266), (346, 45038), (355, 45002),

Gene: Lulumae_51 Start: 46640, Stop: 44937, Start Num: 63

Candidate Starts for Lulumae_51:

(Start: 63 @46640 has 65 MA's), (Start: 74 @46616 has 11 MA's), (Start: 79 @46559 has 1 MA's), (Start: 81 @46550 has 2 MA's), (96, 46460), (100, 46427), (110, 46370), (112, 46358), (114, 46334), (117, 46322), (118, 46313), (128, 46253), (137, 46163), (141, 46118), (148, 46058), (157, 46004), (163, 45956), (166, 45935), (188, 45803), (197, 45734), (199, 45728), (201, 45701), (203, 45686), (208, 45644), (213, 45596), (216, 45566), (221, 45539), (255, 45413), (257, 45407), (260, 45380), (272, 45335), (277, 45320), (279, 45314), (292, 45260), (297, 45251), (346, 45023), (355, 44987),

Gene: Lulwa_52 Start: 46933, Stop: 45230, Start Num: 63

Candidate Starts for Lulwa_52:

(Start: 63 @46933 has 65 MA's), (Start: 74 @46909 has 11 MA's), (Start: 79 @46852 has 1 MA's), (Start: 81 @46843 has 2 MA's), (96, 46753), (100, 46720), (110, 46663), (112, 46651), (114, 46627), (117, 46615), (118, 46606), (128, 46546), (137, 46456), (141, 46411), (148, 46351), (163, 46249), (166, 46228), (188, 46096), (197, 46027), (199, 46021), (201, 45994), (203, 45979), (208, 45937), (213, 45889), (216, 45859), (221, 45832), (255, 45706), (257, 45700), (260, 45673), (272, 45628), (277, 45613), (279, 45607), (292, 45553), (297, 45544), (346, 45316), (355, 45280),

Gene: Lumine_51 Start: 46729, Stop: 44933, Start Num: 39

Candidate Starts for Lumine_51:

(Start: 39 @46729 has 104 MA's), (Start: 64 @46636 has 144 MA's), (Start: 74 @46612 has 11 MA's), (Start: 79 @46555 has 1 MA's), (Start: 81 @46546 has 2 MA's), (96, 46456), (100, 46423), (110, 46366), (112, 46354), (114, 46330), (117, 46318), (118, 46309), (128, 46249), (137, 46159), (141, 46114), (148, 46054), (157, 46000), (163, 45952), (166, 45931), (188, 45799), (197, 45730), (199, 45724), (201, 45697), (203, 45682), (208, 45640), (213, 45592), (216, 45562), (221, 45535), (255, 45409), (257, 45403), (260, 45376), (272, 45331), (277, 45316), (279, 45310), (292, 45256), (297, 45247), (346, 45019), (355, 44983),

Gene: MRabcd_51 Start: 46646, Stop: 44943, Start Num: 64

Candidate Starts for MRabcd_51:

(Start: 39 @46739 has 104 MA's), (Start: 64 @46646 has 144 MA's), (Start: 74 @46622 has 11 MA's), (Start: 79 @46565 has 1 MA's), (Start: 81 @46556 has 2 MA's), (96, 46466), (100, 46433), (110, 46376), (112, 46364), (114, 46340), (117, 46328), (118, 46319), (128, 46259), (137, 46169), (141, 46124), (148, 46064), (157, 46010), (163, 45962), (166, 45941), (188, 45809), (197, 45740), (199, 45734), (201, 45707), (203, 45692), (208, 45650), (213, 45602), (216, 45572), (221, 45545), (255,

45419), (257, 45413), (260, 45386), (271, 45344), (272, 45341), (277, 45326), (279, 45320), (292, 45266), (297, 45257), (346, 45029), (355, 44993),

Gene: Mag7_51 Start: 46546, Stop: 44867, Start Num: 74

Candidate Starts for Mag7_51:

(Start: 39 @46663 has 104 MA's), (Start: 64 @46570 has 144 MA's), (Start: 74 @46546 has 11 MA's), (Start: 79 @46489 has 1 MA's), (Start: 81 @46480 has 2 MA's), (96, 46390), (100, 46357), (110, 46300), (112, 46288), (114, 46264), (117, 46252), (118, 46243), (128, 46183), (137, 46093), (141, 46048), (148, 45988), (157, 45934), (163, 45886), (166, 45865), (188, 45733), (197, 45664), (199, 45658), (201, 45631), (203, 45616), (208, 45574), (213, 45526), (216, 45496), (221, 45469), (255, 45343), (257, 45337), (260, 45310), (272, 45265), (277, 45250), (279, 45244), (292, 45190), (297, 45181), (346, 44953), (355, 44917),

Gene: Magic8_52 Start: 47098, Stop: 45302, Start Num: 39

Candidate Starts for Magic8_52:

(Start: 39 @47098 has 104 MA's), (Start: 64 @47005 has 144 MA's), (Start: 74 @46981 has 11 MA's), (Start: 79 @46924 has 1 MA's), (Start: 81 @46915 has 2 MA's), (96, 46825), (100, 46792), (110, 46735), (112, 46723), (114, 46699), (117, 46687), (118, 46678), (128, 46618), (137, 46528), (141, 46483), (148, 46423), (157, 46369), (163, 46321), (166, 46300), (188, 46168), (197, 46099), (199, 46093), (201, 46066), (203, 46051), (208, 46009), (213, 45961), (216, 45931), (221, 45904), (255, 45778), (257, 45772), (260, 45745), (272, 45700), (277, 45685), (279, 45679), (292, 45625), (297, 45616), (346, 45388), (355, 45352),

Gene: Magpie_46 Start: 47259, Stop: 45550, Start Num: 64

Candidate Starts for Magpie_46:

(Start: 64 @47259 has 144 MA's), (94, 47076), (97, 47067), (100, 47037), (103, 47016), (114, 46947), (124, 46884), (128, 46866), (135, 46797), (137, 46776), (148, 46677), (153, 46656), (157, 46623), (159, 46614), (162, 46578), (163, 46575), (167, 46551), (184, 46440), (186, 46434), (188, 46422), (197, 46353), (199, 46347), (201, 46320), (202, 46308), (203, 46305), (208, 46263), (213, 46215), (216, 46185), (226, 46134), (250, 46053), (254, 46038), (255, 46032), (256, 46029), (261, 45996), (262, 45990), (264, 45981), (271, 45954), (276, 45939), (277, 45936), (281, 45927), (285, 45909), (289, 45882), (297, 45861), (322, 45750), (343, 45642), (346, 45627), (356, 45588), (359, 45576),

Gene: Mahdia_34 Start: 27314, Stop: 25536, Start Num: 38

Candidate Starts for Mahdia_34:

(Start: 38 @27314 has 1 MA's), (Start: 69 @27179 has 7 MA's), (71, 27176), (76, 27137), (80, 27101), (89, 27035), (96, 27002), (100, 26969), (103, 26948), (114, 26882), (118, 26861), (124, 26819), (127, 26810), (137, 26708), (143, 26663), (148, 26615), (153, 26594), (155, 26588), (159, 26552), (163, 26513), (165, 26501), (167, 26489), (169, 26477), (171, 26453), (175, 26432), (184, 26378), (203, 26243), (204, 26240), (208, 26201), (216, 26123), (218, 26114), (231, 26051), (268, 25901), (277, 25880), (317, 25751), (319, 25739), (346, 25601), (356, 25562),

Gene: Maih_53 Start: 44660, Stop: 46498, Start Num: 68

Candidate Starts for Maih_53:

(Start: 68 @44660 has 10 MA's), (78, 44705), (82, 44741), (84, 44747), (86, 44774), (94, 44834), (103, 44894), (114, 44966), (115, 44969), (117, 44978), (121, 45014), (127, 45038), (130, 45080), (133, 45101), (137, 45125), (139, 45152), (143, 45185), (145, 45212), (155, 45260), (158, 45290), (174, 45410), (175, 45419), (177, 45437), (181, 45455), (198, 45566), (199, 45569), (202, 45608), (208, 45653), (209, 45656), (219, 45746), (269, 46028), (275, 46055), (314, 46229), (321, 46265), (326, 46280), (342, 46382), (351, 46430), (354, 46439),

Gene: MakoManhole_48 Start: 41999, Stop: 40332, Start Num: 64

Candidate Starts for MakoManhole_48:

(Start: 64 @41999 has 144 MA's), (84, 41894), (87, 41864), (94, 41819), (Start: 95 @41816 has 1 MA's), (100, 41780), (101, 41768), (135, 41534), (137, 41513), (148, 41411), (162, 41312), (163, 41309), (168, 41276), (186, 41168), (197, 41087), (198, 41084), (199, 41081), (201, 41054), (202, 41042), (203, 41039), (208, 40997), (216, 40919), (218, 40910), (224, 40877), (255, 40769), (256, 40766), (265, 40709), (276, 40679), (277, 40676), (325, 40526), (346, 40409), (364, 40343),

Gene: Mana_51 Start: 46655, Stop: 44952, Start Num: 64

Candidate Starts for Mana_51:

(Start: 64 @46655 has 144 MA's), (Start: 74 @46631 has 11 MA's), (Start: 79 @46574 has 1 MA's), (Start: 81 @46565 has 2 MA's), (96, 46475), (100, 46442), (110, 46385), (112, 46373), (114, 46349), (117, 46337), (118, 46328), (128, 46268), (137, 46178), (141, 46133), (148, 46073), (157, 46019), (163, 45971), (166, 45950), (188, 45818), (197, 45749), (199, 45743), (201, 45716), (203, 45701), (208, 45659), (213, 45611), (216, 45581), (221, 45554), (255, 45428), (257, 45422), (260, 45395), (271, 45353), (272, 45350), (277, 45335), (279, 45329), (292, 45275), (297, 45266), (346, 45038), (355, 45002),

Gene: Manad_52 Start: 46915, Stop: 45212, Start Num: 63

Candidate Starts for Manad_52:

(13, 47248), (15, 47221), (Start: 63 @46915 has 65 MA's), (Start: 74 @46891 has 11 MA's), (Start: 79 @46834 has 1 MA's), (Start: 81 @46825 has 2 MA's), (96, 46735), (100, 46702), (110, 46645), (112, 46633), (114, 46609), (117, 46597), (118, 46588), (128, 46528), (137, 46438), (141, 46393), (148, 46333), (163, 46231), (166, 46210), (188, 46078), (197, 46009), (199, 46003), (201, 45976), (203, 45961), (208, 45919), (213, 45871), (216, 45841), (221, 45814), (255, 45688), (257, 45682), (260, 45655), (271, 45613), (272, 45610), (277, 45595), (279, 45589), (292, 45535), (297, 45526), (346, 45298), (355, 45262),

Gene: Mariokart_46 Start: 40264, Stop: 38594, Start Num: 61

Candidate Starts for Mariokart_46:

(Start: 61 @40264 has 1 MA's), (Start: 62 @40261 has 10 MA's), (78, 40198), (84, 40156), (96, 40075), (97, 40072), (100, 40042), (101, 40030), (110, 39985), (124, 39886), (135, 39796), (137, 39775), (148, 39676), (153, 39655), (157, 39622), (163, 39574), (167, 39550), (171, 39514), (176, 39478), (198, 39349), (199, 39346), (201, 39319), (203, 39304), (208, 39262), (213, 39214), (216, 39184), (225, 39136), (247, 39067), (249, 39058), (277, 38941), (288, 38902), (314, 38836), (316, 38830), (327, 38779), (334, 38752), (340, 38707), (346, 38671),

Gene: Marley1013_52 Start: 47893, Stop: 46385, Start Num: 95

Candidate Starts for Marley1013_52:

(Start: 59 @48091 has 33 MA's), (Start: 95 @47893 has 1 MA's), (100, 47857), (110, 47800), (118, 47743), (124, 47701), (126, 47695), (131, 47638), (136, 47611), (137, 47593), (148, 47488), (161, 47398), (163, 47386), (166, 47365), (173, 47320), (183, 47257), (194, 47173), (198, 47158), (199, 47155), (200, 47152), (201, 47128), (204, 47110), (208, 47071), (213, 47023), (216, 46993), (220, 46969), (227, 46927), (253, 46849), (259, 46822), (268, 46771), (277, 46747), (307, 46660), (319, 46618), (338, 46513), (341, 46498), (346, 46471), (349, 46456), (365, 46402),

Gene: Maru_51 Start: 46598, Stop: 44895, Start Num: 64

Candidate Starts for Maru_51:

(Start: 39 @46691 has 104 MA's), (Start: 64 @46598 has 144 MA's), (Start: 74 @46574 has 11 MA's), (Start: 79 @46517 has 1 MA's), (Start: 81 @46508 has 2 MA's), (96, 46418), (100, 46385), (110, 46328), (112, 46316), (114, 46292), (117, 46280), (118, 46271), (128, 46211), (137, 46121), (141, 46076), (148, 46016), (157, 45962), (163, 45914), (166, 45893), (188, 45761), (197, 45692), (199, 45686), (201, 45659), (203, 45644), (208, 45602), (213, 45554), (216, 45524), (221, 45497), (255, 45371), (257, 45365), (260, 45338), (272, 45293), (277, 45278), (279, 45272), (292, 45218), (297, 45209), (346, 44981), (355, 44945),

Gene: Maskar_52 Start: 46729, Stop: 44933, Start Num: 39

Candidate Starts for Maskar_52:

(Start: 39 @46729 has 104 MA's), (Start: 64 @46636 has 144 MA's), (Start: 74 @46612 has 11 MA's), (Start: 79 @46555 has 1 MA's), (Start: 81 @46546 has 2 MA's), (96, 46456), (100, 46423), (110, 46366), (112, 46354), (114, 46330), (117, 46318), (118, 46309), (128, 46249), (137, 46159), (141, 46114), (148, 46054), (157, 46000), (163, 45952), (166, 45931), (188, 45799), (197, 45730), (199, 45724), (201, 45697), (203, 45682), (208, 45640), (213, 45592), (216, 45562), (221, 45535), (255, 45409), (257, 45403), (260, 45376), (272, 45331), (277, 45316), (279, 45310), (292, 45256), (297, 45247), (346, 45019), (355, 44983),

Gene: MasterPo_51 Start: 46584, Stop: 44869, Start Num: 64

Candidate Starts for MasterPo_51:

(10, 47013), (12, 46977), (14, 46905), (16, 46890), (20, 46839), (Start: 64 @46584 has 144 MA's), (70, 46572), (94, 46401), (Start: 95 @46398 has 1 MA's), (100, 46362), (101, 46350), (103, 46341), (110, 46305), (111, 46302), (114, 46269), (124, 46206), (137, 46098), (141, 46059), (153, 45978), (157, 45945), (159, 45936), (163, 45897), (166, 45876), (167, 45873), (173, 45831), (175, 45816), (176, 45801), (183, 45771), (188, 45744), (192, 45696), (198, 45672), (199, 45669), (201, 45642), (202, 45630), (204, 45624), (208, 45585), (213, 45537), (216, 45507), (217, 45501), (226, 45456), (239, 45381), (243, 45369), (249, 45342), (250, 45339), (254, 45324), (265, 45258), (277, 45225), (301, 45147), (312, 45117), (313, 45114), (316, 45102), (324, 45063), (338, 44985), (339, 44982), (346, 44943), (362, 44877),

Gene: Matalotodo_52 Start: 46950, Stop: 45247, Start Num: 63

Candidate Starts for Matalotodo_52:

(13, 47283), (15, 47256), (Start: 63 @46950 has 65 MA's), (Start: 74 @46926 has 11 MA's), (Start: 79 @46869 has 1 MA's), (Start: 81 @46860 has 2 MA's), (96, 46770), (100, 46737), (110, 46680), (112, 46668), (114, 46644), (117, 46632), (118, 46623), (128, 46563), (137, 46473), (141, 46428), (148, 46368), (163, 46266), (166, 46245), (188, 46113), (197, 46044), (199, 46038), (201, 46011), (203, 45996), (208, 45954), (213, 45906), (216, 45876), (221, 45849), (255, 45723), (257, 45717), (260, 45690), (271, 45648), (272, 45645), (277, 45630), (279, 45624), (292, 45570), (297, 45561), (346, 45333), (355, 45297),

Gene: Mcshane_51 Start: 46740, Stop: 44944, Start Num: 39

Candidate Starts for Mcshane_51:

(Start: 39 @46740 has 104 MA's), (Start: 64 @46647 has 144 MA's), (Start: 74 @46623 has 11 MA's), (Start: 79 @46566 has 1 MA's), (Start: 81 @46557 has 2 MA's), (96, 46467), (100, 46434), (110, 46377), (112, 46365), (114, 46341), (117, 46329), (118, 46320), (128, 46260), (137, 46170), (141, 46125), (148, 46065), (163, 45963), (166, 45942), (188, 45810), (197, 45741), (199, 45735), (201, 45708), (203, 45693), (208, 45651), (213, 45603), (216, 45573), (221, 45546), (255, 45420), (257, 45414), (260, 45387), (272, 45342), (277, 45327), (279, 45321), (292, 45267), (297, 45258), (346, 45030), (355, 44994),

Gene: Mecca_51 Start: 46653, Stop: 44950, Start Num: 64

Candidate Starts for Mecca_51:

(23, 46836), (25, 46830), (Start: 64 @46653 has 144 MA's), (Start: 74 @46629 has 11 MA's), (Start: 79 @46572 has 1 MA's), (Start: 81 @46563 has 2 MA's), (96, 46473), (100, 46440), (110, 46383), (112, 46371), (114, 46347), (117, 46335), (118, 46326), (128, 46266), (137, 46176), (141, 46131), (148, 46071), (157, 46017), (163, 45969), (166, 45948), (188, 45816), (197, 45747), (199, 45741), (201, 45714), (203, 45699), (208, 45657), (213, 45609), (216, 45579), (221, 45552), (255, 45426), (257, 45420), (260, 45393), (272, 45348), (277, 45333), (279, 45327), (292, 45273), (297, 45264), (346, 45036), (355, 45000),

Gene: Megamind20_52 Start: 46768, Stop: 44972, Start Num: 39

Candidate Starts for Megamind20_52:

(Start: 39 @46768 has 104 MA's), (Start: 64 @46675 has 144 MA's), (Start: 74 @46651 has 11 MA's), (Start: 79 @46594 has 1 MA's), (Start: 81 @46585 has 2 MA's), (96, 46495), (100, 46462), (110, 46405), (112, 46393), (114, 46369), (117, 46357), (118, 46348), (128, 46288), (137, 46198), (141, 46153), (148, 46093), (163, 45991), (166, 45970), (188, 45838), (197, 45769), (199, 45763), (201, 45736), (203, 45721), (208, 45679), (213, 45631), (216, 45601), (221, 45574), (255, 45448), (257, 45442), (260, 45415), (271, 45373), (272, 45370), (277, 45355), (279, 45349), (292, 45295), (297, 45286), (346, 45058), (355, 45022),

Gene: Megatron_53 Start: 47176, Stop: 45380, Start Num: 39

Candidate Starts for Megatron_53:

(Start: 39 @47176 has 104 MA's), (Start: 64 @47083 has 144 MA's), (Start: 74 @47059 has 11 MA's), (Start: 79 @47002 has 1 MA's), (Start: 81 @46993 has 2 MA's), (96, 46903), (100, 46870), (110, 46813), (112, 46801), (114, 46777), (117, 46765), (118, 46756), (128, 46696), (137, 46606), (141, 46561), (148, 46501), (163, 46399), (166, 46378), (188, 46246), (197, 46177), (199, 46171), (201, 46144), (203, 46129), (208, 46087), (213, 46039), (216, 46009), (221, 45982), (255, 45856), (257, 45850), (260, 45823), (271, 45781), (272, 45778), (277, 45763), (279, 45757), (292, 45703), (297, 45694), (346, 45466), (355, 45430),

Gene: Melc17_52 Start: 47050, Stop: 45242, Start Num: 39

Candidate Starts for Melc17_52:

(Start: 39 @47050 has 104 MA's), (Start: 64 @46945 has 144 MA's), (Start: 74 @46921 has 11 MA's), (Start: 79 @46864 has 1 MA's), (Start: 81 @46855 has 2 MA's), (96, 46765), (100, 46732), (110, 46675), (112, 46663), (114, 46639), (117, 46627), (118, 46618), (128, 46558), (137, 46468), (141, 46423), (148, 46363), (157, 46309), (163, 46261), (166, 46240), (188, 46108), (197, 46039), (199, 46033), (201, 46006), (203, 45991), (208, 45949), (213, 45901), (216, 45871), (221, 45844), (255, 45718), (257, 45712), (260, 45685), (272, 45640), (277, 45625), (279, 45619), (292, 45565), (297, 45556), (346, 45328), (355, 45292),

Gene: MelsMeow_52 Start: 46782, Stop: 44986, Start Num: 39

Candidate Starts for MelsMeow_52:

(Start: 39 @46782 has 104 MA's), (Start: 64 @46689 has 144 MA's), (Start: 74 @46665 has 11 MA's), (Start: 79 @46608 has 1 MA's), (Start: 81 @46599 has 2 MA's), (96, 46509), (100, 46476), (110, 46419), (112, 46407), (114, 46383), (117, 46371), (118, 46362), (128, 46302), (137, 46212), (141, 46167), (148, 46107), (157, 46053), (163, 46005), (166, 45984), (188, 45852), (197, 45783), (199, 45777), (201, 45750), (203, 45735), (208, 45693), (213, 45645), (216, 45615), (221, 45588), (255, 45462), (257, 45456), (260, 45429), (272, 45384), (277, 45369), (279, 45363), (292, 45309), (297, 45300), (346, 45072), (355, 45036),

Gene: Mesh1_53 Start: 47190, Stop: 45487, Start Num: 63

Candidate Starts for Mesh1_53:

(Start: 63 @47190 has 65 MA's), (Start: 74 @47166 has 11 MA's), (Start: 79 @47109 has 1 MA's), (Start: 81 @47100 has 2 MA's), (96, 47010), (100, 46977), (110, 46920), (112, 46908), (114, 46884), (117, 46872), (118, 46863), (128, 46803), (137, 46713), (141, 46668), (148, 46608), (157, 46554), (163, 46506), (166, 46485), (188, 46353), (197, 46284), (199, 46278), (201, 46251), (203, 46236), (208, 46194), (213, 46146), (216, 46116), (221, 46089), (255, 45963), (257, 45957), (260, 45930), (271, 45888), (272, 45885), (277, 45870), (279, 45864), (292, 45810), (297, 45801), (346, 45573), (355, 45537),

Gene: MichaelPhcott_51 Start: 46660, Stop: 44864, Start Num: 39

Candidate Starts for MichaelPhcott_51:

(Start: 39 @46660 has 104 MA's), (Start: 64 @46567 has 144 MA's), (Start: 74 @46543 has 11 MA's), (Start: 79 @46486 has 1 MA's), (Start: 81 @46477 has 2 MA's), (96, 46387), (100, 46354), (110, 46297), (112, 46285), (114, 46261), (117, 46249), (118, 46240), (128, 46180), (137, 46090), (141, 46045), (148, 45985), (157, 45931), (163, 45883), (166, 45862), (188, 45730), (197, 45661), (199, 45655), (201, 45628), (203, 45613), (208, 45571), (213, 45523), (216, 45493), (221, 45466), (255, 45340), (257, 45334), (260, 45307), (272, 45262), (277, 45247), (279, 45241), (292, 45187), (297, 45178), (346, 44950), (355, 44914),

Gene: Mikota_52 Start: 46933, Stop: 45230, Start Num: 63

Candidate Starts for Mikota_52:

(Start: 63 @46933 has 65 MA's), (Start: 74 @46909 has 11 MA's), (Start: 79 @46852 has 1 MA's), (Start: 81 @46843 has 2 MA's), (96, 46753), (100, 46720), (110, 46663), (112, 46651), (114, 46627), (117, 46615), (118, 46606), (128, 46546), (137, 46456), (141, 46411), (148, 46351), (163, 46249), (166, 46228), (188, 46096), (197, 46027), (199, 46021), (201, 45994), (203, 45979), (208, 45937), (213, 45889), (216, 45859), (221, 45832), (255, 45706), (257, 45700), (260, 45673), (272, 45628), (277, 45613), (279, 45607), (292, 45553), (297, 45544), (346, 45316), (355, 45280),

Gene: MiniBoss_52 Start: 46939, Stop: 45236, Start Num: 63

Candidate Starts for MiniBoss_52:

(Start: 63 @46939 has 65 MA's), (Start: 74 @46915 has 11 MA's), (Start: 79 @46858 has 1 MA's), (Start: 81 @46849 has 2 MA's), (96, 46759), (100, 46726), (110, 46669), (112, 46657), (114, 46633), (117, 46621), (118, 46612), (128, 46552), (137, 46462), (141, 46417), (148, 46357), (163, 46255), (166, 46234), (188, 46102), (197, 46033), (199, 46027), (201, 46000), (203, 45985), (208, 45943), (213, 45895), (216, 45865), (221, 45838), (255, 45712), (257, 45706), (260, 45679), (272, 45634), (277, 45619), (279, 45613), (292, 45559), (297, 45550), (346, 45322), (355, 45286),

Gene: Miryou_69 Start: 48475, Stop: 50184, Start Num: 66

Candidate Starts for Miryou_69:

(Start: 66 @48475 has 22 MA's), (84, 48568), (Start: 95 @48646 has 1 MA's), (96, 48649), (99, 48673), (100, 48682), (107, 48721), (110, 48739), (118, 48796), (121, 48823), (122, 48826), (130, 48889), (137, 48949), (140, 48979), (141, 48988), (151, 49063), (152, 49066), (158, 49108), (159, 49111), (162, 49147), (163, 49150), (171, 49216), (172, 49219), (173, 49222), (175, 49237), (176, 49252), (179, 49267), (186, 49297), (188, 49309), (201, 49411), (202, 49423), (203, 49426), (204, 49429), (206, 49450), (208, 49468), (212, 49513), (213, 49516), (219, 49555), (222, 49576), (254, 49705), (265, 49774), (266, 49777), (276, 49810), (277, 49813), (278, 49816), (291, 49879), (294, 49888), (297, 49894), (302, 49918), (312, 49951), (327, 50014), (333, 50035), (335, 50050), (337, 50077), (338, 50086), (341, 50101),

Gene: Mischief19_63 Start: 55349, Stop: 57295, Start Num: 55

Candidate Starts for Mischief19_63:

(18, 55088), (21, 55130), (27, 55199), (35, 55244), (36, 55247), (52, 55304), (Start: 55 @55349 has 1 MA's), (88, 55529), (102, 55631), (105, 55646), (117, 55718), (124, 55769), (130, 55820), (139, 55925), (141, 55946), (148, 56006), (155, 56033), (158, 56063), (173, 56198), (174, 56204), (177, 56231), (188, 56285), (198, 56357), (199, 56360), (205, 56420), (223, 56561), (290, 56924), (314, 57020), (344, 57185), (352, 57224),

Gene: MitKao_52 Start: 46665, Stop: 44962, Start Num: 64

Candidate Starts for MitKao_52:

(Start: 64 @46665 has 144 MA's), (Start: 74 @46641 has 11 MA's), (Start: 79 @46584 has 1 MA's), (Start: 81 @46575 has 2 MA's), (96, 46485), (100, 46452), (110, 46395), (112, 46383), (114, 46359), (117, 46347), (118, 46338), (128, 46278), (137, 46188), (141, 46143), (148, 46083), (163, 45981), (166, 45960), (188, 45828), (197, 45759), (199, 45753), (201, 45726), (203, 45711), (208, 45669), (213, 45621), (216, 45591), (221, 45564), (255, 45438), (257, 45432), (260, 45405), (271, 45363),

(272, 45360), (277, 45345), (279, 45339), (292, 45285), (297, 45276), (346, 45048), (355, 45012),

Gene: Mithril_47 Start: 47427, Stop: 45718, Start Num: 64

Candidate Starts for Mithril_47:

(Start: 64 @47427 has 144 MA's), (94, 47244), (100, 47205), (103, 47184), (114, 47115), (128, 47034), (135, 46965), (137, 46944), (148, 46845), (153, 46824), (157, 46791), (159, 46782), (163, 46743), (167, 46719), (184, 46608), (186, 46602), (188, 46590), (197, 46521), (199, 46515), (201, 46488), (202, 46476), (203, 46473), (208, 46431), (213, 46383), (216, 46353), (219, 46338), (226, 46302), (250, 46221), (254, 46206), (255, 46200), (256, 46197), (261, 46164), (262, 46158), (264, 46149), (271, 46122), (276, 46107), (277, 46104), (281, 46095), (285, 46077), (289, 46050), (297, 46029), (322, 45918), (343, 45810), (346, 45795), (356, 45756),

Gene: MmasiCarm_53 Start: 47647, Stop: 45950, Start Num: 59

Candidate Starts for MmasiCarm_53:

(Start: 59 @47647 has 33 MA's), (Start: 95 @47449 has 1 MA's), (100, 47413), (110, 47356), (118, 47299), (124, 47257), (126, 47251), (131, 47194), (136, 47167), (137, 47149), (148, 47044), (151, 47029), (161, 46954), (163, 46942), (166, 46921), (173, 46876), (183, 46813), (194, 46729), (198, 46714), (199, 46711), (200, 46708), (201, 46684), (204, 46666), (208, 46627), (213, 46579), (216, 46549), (220, 46525), (227, 46483), (253, 46405), (259, 46378), (265, 46336), (268, 46327), (277, 46303), (307, 46216), (319, 46174), (338, 46069), (346, 46027), (349, 46012),

Gene: Morgushi_52 Start: 46654, Stop: 44951, Start Num: 64

Candidate Starts for Morgushi_52:

(Start: 64 @46654 has 144 MA's), (Start: 74 @46630 has 11 MA's), (Start: 79 @46573 has 1 MA's), (Start: 81 @46564 has 2 MA's), (96, 46474), (100, 46441), (110, 46384), (112, 46372), (114, 46348), (117, 46336), (118, 46327), (128, 46267), (137, 46177), (141, 46132), (148, 46072), (157, 46018), (163, 45970), (166, 45949), (188, 45817), (197, 45748), (199, 45742), (201, 45715), (203, 45700), (208, 45658), (213, 45610), (216, 45580), (221, 45553), (255, 45427), (257, 45421), (260, 45394), (271, 45352), (272, 45349), (277, 45334), (279, 45328), (292, 45274), (297, 45265), (346, 45037), (355, 45001),

Gene: Morrissey_35 Start: 28363, Stop: 26723, Start Num: 69

Candidate Starts for Morrissey_35:

(Start: 69 @28363 has 7 MA's), (76, 28321), (77, 28318), (84, 28267), (96, 28186), (100, 28153), (103, 28132), (114, 28066), (118, 28045), (120, 28027), (121, 28018), (124, 28003), (127, 27994), (137, 27892), (143, 27847), (153, 27778), (155, 27772), (159, 27736), (161, 27709), (163, 27697), (165, 27685), (167, 27673), (169, 27661), (171, 27637), (181, 27580), (195, 27484), (203, 27427), (204, 27424), (208, 27385), (216, 27307), (218, 27298), (219, 27292), (231, 27235), (245, 27199), (259, 27136), (262, 27112), (277, 27064), (295, 27010), (336, 26857), (345, 26788), (346, 26785), (360, 26731),

Gene: Mortcellus_52 Start: 48254, Stop: 46557, Start Num: 59

Candidate Starts for Mortcellus_52:

(Start: 59 @48254 has 33 MA's), (Start: 95 @48056 has 1 MA's), (100, 48020), (110, 47963), (118, 47906), (124, 47864), (126, 47858), (131, 47801), (136, 47774), (137, 47756), (148, 47651), (161, 47561), (163, 47549), (166, 47528), (173, 47483), (183, 47420), (194, 47336), (198, 47321), (199, 47318), (200, 47315), (201, 47291), (204, 47273), (208, 47234), (213, 47186), (216, 47156), (220, 47132), (227, 47090), (253, 47012), (259, 46985), (268, 46934), (277, 46910), (292, 46862), (307, 46823), (319, 46781), (338, 46676), (346, 46634), (349, 46619),

Gene: Morty_53 Start: 47185, Stop: 45389, Start Num: 39

Candidate Starts for Morty_53:

(Start: 39 @47185 has 104 MA's), (Start: 64 @47092 has 144 MA's), (Start: 74 @47068 has 11 MA's), (Start: 79 @47011 has 1 MA's), (Start: 81 @47002 has 2 MA's), (96, 46912), (100, 46879), (110, 46822), (112, 46810), (114, 46786), (117, 46774), (118, 46765), (128, 46705), (137, 46615), (141, 46570), (148, 46510), (157, 46456), (163, 46408), (166, 46387), (188, 46255), (197, 46186), (199, 46180), (201, 46153), (203, 46138), (208, 46096), (213, 46048), (216, 46018), (221, 45991), (255, 45865), (257, 45859), (260, 45832), (271, 45790), (272, 45787), (277, 45772), (279, 45766), (292, 45712), (297, 45703), (346, 45475), (355, 45439),

Gene: Morty007_52 Start: 48091, Stop: 46385, Start Num: 59

Candidate Starts for Morty007_52:

(Start: 59 @48091 has 33 MA's), (Start: 95 @47893 has 1 MA's), (100, 47857), (110, 47800), (118, 47743), (124, 47701), (126, 47695), (131, 47638), (136, 47611), (137, 47593), (148, 47488), (161, 47398), (163, 47386), (166, 47365), (173, 47320), (183, 47257), (194, 47173), (198, 47158), (199, 47155), (200, 47152), (201, 47128), (204, 47110), (208, 47071), (213, 47023), (216, 46993), (220, 46969), (227, 46927), (253, 46849), (259, 46822), (268, 46771), (277, 46747), (307, 46660), (319, 46618), (338, 46513), (341, 46498), (346, 46471), (349, 46456), (365, 46402),

Gene: Mosaic_51 Start: 46659, Stop: 44956, Start Num: 64

Candidate Starts for Mosaic_51:

(Start: 64 @46659 has 144 MA's), (Start: 74 @46635 has 11 MA's), (Start: 79 @46578 has 1 MA's), (Start: 81 @46569 has 2 MA's), (96, 46479), (100, 46446), (110, 46389), (112, 46377), (114, 46353), (117, 46341), (118, 46332), (128, 46272), (137, 46182), (141, 46137), (148, 46077), (157, 46023), (163, 45975), (166, 45954), (188, 45822), (197, 45753), (199, 45747), (201, 45720), (203, 45705), (208, 45663), (213, 45615), (216, 45585), (221, 45558), (255, 45432), (257, 45426), (260, 45399), (271, 45357), (272, 45354), (277, 45339), (279, 45333), (292, 45279), (297, 45270), (346, 45042), (355, 45006),

Gene: MossRose_48 Start: 41978, Stop: 40311, Start Num: 64

Candidate Starts for MossRose_48:

(Start: 64 @41978 has 144 MA's), (84, 41873), (87, 41843), (Start: 95 @41795 has 1 MA's), (100, 41759), (101, 41747), (135, 41513), (137, 41492), (148, 41390), (162, 41291), (163, 41288), (168, 41255), (186, 41147), (197, 41066), (198, 41063), (199, 41060), (201, 41033), (202, 41021), (203, 41018), (204, 41015), (208, 40976), (216, 40898), (218, 40889), (224, 40856), (248, 40778), (250, 40769), (255, 40748), (256, 40745), (265, 40688), (276, 40658), (277, 40655), (325, 40505), (346, 40388), (364, 40322),

Gene: MrPhizzler_51 Start: 46566, Stop: 44953, Start Num: 81

Candidate Starts for MrPhizzler_51:

(Start: 64 @46656 has 144 MA's), (Start: 74 @46632 has 11 MA's), (Start: 79 @46575 has 1 MA's), (Start: 81 @46566 has 2 MA's), (96, 46476), (100, 46443), (110, 46386), (112, 46374), (114, 46350), (117, 46338), (118, 46329), (128, 46269), (137, 46179), (141, 46134), (148, 46074), (157, 46020), (163, 45972), (166, 45951), (188, 45819), (197, 45750), (199, 45744), (201, 45717), (203, 45702), (208, 45660), (213, 45612), (216, 45582), (221, 45555), (255, 45429), (257, 45423), (260, 45396), (271, 45354), (272, 45351), (277, 45336), (279, 45330), (292, 45276), (297, 45267), (346, 45039), (355, 45003),

Gene: Mudslide_47 Start: 47689, Stop: 45977, Start Num: 64

Candidate Starts for Mudslide_47:

(Start: 64 @47689 has 144 MA's), (94, 47506), (100, 47467), (103, 47446), (114, 47377), (128, 47296), (135, 47227), (137, 47206), (148, 47107), (153, 47086), (157, 47053), (159, 47044), (162, 47008), (163, 47005), (167, 46981), (184, 46870), (186, 46864), (188, 46852), (197, 46783), (199, 46777), (201, 46750), (202, 46738), (203, 46735), (208, 46693), (213, 46645), (216, 46615), (250, 46480), (254, 46465), (255, 46459), (256, 46456), (261, 46423), (262, 46417), (264, 46408), (271,

46381), (276, 46366), (277, 46363), (281, 46354), (285, 46336), (289, 46309), (297, 46288), (322, 46177), (346, 46054), (356, 46015), (359, 46003),

Gene: Mulan_52 Start: 46902, Stop: 45106, Start Num: 39

Candidate Starts for Mulan_52:

(Start: 39 @46902 has 104 MA's), (Start: 64 @46809 has 144 MA's), (Start: 74 @46785 has 11 MA's), (Start: 79 @46728 has 1 MA's), (Start: 81 @46719 has 2 MA's), (96, 46629), (100, 46596), (110, 46539), (112, 46527), (114, 46503), (117, 46491), (118, 46482), (128, 46422), (137, 46332), (141, 46287), (148, 46227), (157, 46173), (163, 46125), (166, 46104), (188, 45972), (197, 45903), (199, 45897), (201, 45870), (203, 45855), (208, 45813), (213, 45765), (216, 45735), (221, 45708), (255, 45582), (257, 45576), (260, 45549), (272, 45504), (277, 45489), (279, 45483), (292, 45429), (297, 45420), (346, 45192), (355, 45156),

Gene: Murdoc_52 Start: 46940, Stop: 45237, Start Num: 63

Candidate Starts for Murdoc_52:

(13, 47273), (15, 47246), (Start: 63 @46940 has 65 MA's), (Start: 74 @46916 has 11 MA's), (Start: 79 @46859 has 1 MA's), (Start: 81 @46850 has 2 MA's), (96, 46760), (100, 46727), (110, 46670), (112, 46658), (114, 46634), (117, 46622), (118, 46613), (128, 46553), (137, 46463), (141, 46418), (148, 46358), (157, 46304), (163, 46256), (166, 46235), (188, 46103), (197, 46034), (199, 46028), (201, 46001), (203, 45986), (208, 45944), (213, 45896), (216, 45866), (221, 45839), (255, 45713), (257, 45707), (260, 45680), (272, 45635), (277, 45620), (279, 45614), (292, 45560), (297, 45551), (346, 45323), (355, 45287),

Gene: Mutante_51 Start: 46752, Stop: 44956, Start Num: 39

Candidate Starts for Mutante_51:

(Start: 39 @46752 has 104 MA's), (Start: 64 @46659 has 144 MA's), (Start: 74 @46635 has 11 MA's), (Start: 79 @46578 has 1 MA's), (Start: 81 @46569 has 2 MA's), (96, 46479), (100, 46446), (110, 46389), (112, 46377), (114, 46353), (117, 46341), (118, 46332), (128, 46272), (137, 46182), (141, 46137), (148, 46077), (157, 46023), (163, 45975), (166, 45954), (188, 45822), (197, 45753), (199, 45747), (201, 45720), (203, 45705), (208, 45663), (213, 45615), (216, 45585), (221, 45558), (255, 45432), (257, 45426), (260, 45399), (272, 45354), (277, 45339), (279, 45333), (292, 45279), (297, 45270), (346, 45042), (355, 45006),

Gene: Mysterious_52 Start: 47964, Stop: 46270, Start Num: 64

Candidate Starts for Mysterious_52:

(Start: 64 @47964 has 144 MA's), (83, 47865), (Start: 95 @47784 has 1 MA's), (100, 47748), (110, 47694), (114, 47658), (124, 47595), (128, 47577), (135, 47508), (137, 47487), (157, 47334), (162, 47289), (163, 47286), (167, 47262), (190, 47115), (196, 47070), (197, 47064), (199, 47058), (201, 47031), (202, 47019), (203, 47016), (208, 46974), (209, 46971), (213, 46926), (216, 46896), (226, 46845), (246, 46779), (247, 46776), (250, 46764), (255, 46743), (256, 46740), (262, 46701), (265, 46683), (271, 46665), (277, 46647), (279, 46641), (284, 46623), (319, 46488), (330, 46446), (343, 46365), (346, 46350), (359, 46299), (363, 46284),

Gene: NHagos_47 Start: 41016, Stop: 39343, Start Num: 67

Candidate Starts for NHagos_47:

(Start: 67 @41016 has 1 MA's), (83, 40917), (84, 40914), (87, 40884), (Start: 95 @40836 has 1 MA's), (100, 40800), (101, 40788), (124, 40644), (135, 40554), (137, 40533), (157, 40377), (163, 40329), (167, 40305), (168, 40296), (176, 40233), (186, 40188), (197, 40107), (198, 40104), (199, 40101), (201, 40074), (202, 40062), (208, 40017), (213, 39969), (216, 39939), (224, 39897), (255, 39789), (256, 39786), (276, 39699), (277, 39696), (316, 39573), (324, 39534), (346, 39414),

Gene: Nacho_0053 Start: 47179, Stop: 45383, Start Num: 39

Candidate Starts for Nacho_0053:

(Start: 39 @47179 has 104 MA's), (Start: 64 @47086 has 144 MA's), (Start: 74 @47062 has 11 MA's), (Start: 79 @47005 has 1 MA's), (Start: 81 @46996 has 2 MA's), (96, 46906), (100, 46873), (110, 46816), (112, 46804), (114, 46780), (117, 46768), (118, 46759), (128, 46699), (137, 46609), (141, 46564), (148, 46504), (157, 46450), (163, 46402), (166, 46381), (188, 46249), (197, 46180), (199, 46174), (201, 46147), (203, 46132), (208, 46090), (213, 46042), (216, 46012), (221, 45985), (255, 45859), (257, 45853), (260, 45826), (272, 45781), (277, 45766), (279, 45760), (292, 45706), (297, 45697), (346, 45469), (355, 45433),

Gene: Nanao_46 Start: 46392, Stop: 44677, Start Num: 64

Candidate Starts for Nanao_46:

(Start: 64 @46392 has 144 MA's), (97, 46200), (100, 46170), (103, 46149), (110, 46113), (114, 46077), (116, 46068), (135, 45927), (137, 45906), (138, 45885), (148, 45807), (153, 45786), (157, 45753), (159, 45744), (162, 45708), (163, 45705), (167, 45681), (186, 45564), (188, 45552), (191, 45528), (197, 45483), (199, 45477), (201, 45450), (202, 45438), (203, 45435), (208, 45393), (213, 45345), (216, 45315), (226, 45264), (239, 45216), (250, 45180), (255, 45159), (256, 45156), (262, 45117), (271, 45081), (276, 45066), (277, 45063), (281, 45054), (285, 45036), (289, 45009), (297, 44988), (322, 44877), (346, 44754),

Gene: Nangang_52 Start: 48195, Stop: 46501, Start Num: 64

Candidate Starts for Nangang_52:

(Start: 64 @48195 has 144 MA's), (Start: 74 @48168 has 11 MA's), (83, 48096), (100, 47979), (114, 47889), (117, 47877), (124, 47826), (128, 47808), (135, 47739), (137, 47718), (147, 47622), (153, 47598), (157, 47565), (163, 47517), (166, 47496), (186, 47376), (191, 47340), (196, 47301), (197, 47295), (199, 47289), (201, 47262), (202, 47250), (203, 47247), (208, 47205), (216, 47127), (247, 47004), (250, 46992), (255, 46971), (256, 46968), (262, 46929), (265, 46911), (271, 46893), (277, 46875), (330, 46674), (346, 46578),

Gene: Neos5_52 Start: 47952, Stop: 46255, Start Num: 59

Candidate Starts for Neos5_52:

(Start: 59 @47952 has 33 MA's), (Start: 95 @47754 has 1 MA's), (100, 47718), (110, 47661), (118, 47604), (124, 47562), (126, 47556), (131, 47499), (136, 47472), (137, 47454), (148, 47349), (161, 47259), (163, 47247), (166, 47226), (173, 47181), (183, 47118), (194, 47034), (198, 47019), (199, 47016), (200, 47013), (201, 46989), (204, 46971), (208, 46932), (213, 46884), (216, 46854), (220, 46830), (227, 46788), (253, 46710), (259, 46683), (265, 46641), (268, 46632), (277, 46608), (292, 46560), (307, 46521), (319, 46479), (338, 46374), (346, 46332), (349, 46317),

Gene: Newman_52 Start: 46957, Stop: 45254, Start Num: 63

Candidate Starts for Newman_52:

(Start: 63 @46957 has 65 MA's), (Start: 74 @46933 has 11 MA's), (Start: 79 @46876 has 1 MA's), (Start: 81 @46867 has 2 MA's), (96, 46777), (100, 46744), (110, 46687), (112, 46675), (114, 46651), (117, 46639), (118, 46630), (128, 46570), (137, 46480), (141, 46435), (148, 46375), (157, 46321), (163, 46273), (166, 46252), (188, 46120), (197, 46051), (199, 46045), (201, 46018), (203, 46003), (208, 45961), (213, 45913), (216, 45883), (221, 45856), (255, 45730), (257, 45724), (260, 45697), (271, 45655), (272, 45652), (277, 45637), (279, 45631), (292, 45577), (297, 45568), (346, 45340), (355, 45304),

Gene: Nicole21_52 Start: 47054, Stop: 45258, Start Num: 39

Candidate Starts for Nicole21_52:

(Start: 39 @47054 has 104 MA's), (Start: 64 @46961 has 144 MA's), (Start: 74 @46937 has 11 MA's), (Start: 79 @46880 has 1 MA's), (Start: 81 @46871 has 2 MA's), (96, 46781), (100, 46748), (110, 46691), (112, 46679), (114, 46655), (117, 46643), (118, 46634), (128, 46574), (137, 46484), (141, 46439), (148, 46379), (157, 46325), (163, 46277), (166, 46256), (188, 46124), (197, 46055), (199, 46049), (201, 46022), (203, 46007), (208, 45965), (213, 45917), (216, 45887), (221, 45860), (255,

45734), (257, 45728), (260, 45701), (271, 45659), (272, 45656), (277, 45641), (279, 45635), (292, 45581), (297, 45572), (346, 45344), (355, 45308),

Gene: Nigel_47 Start: 47239, Stop: 45527, Start Num: 64

Candidate Starts for Nigel_47:

(Start: 64 @47239 has 144 MA's), (97, 47047), (100, 47017), (110, 46960), (114, 46924), (116, 46915), (124, 46861), (128, 46843), (135, 46774), (137, 46753), (148, 46654), (153, 46633), (157, 46600), (159, 46591), (162, 46555), (163, 46552), (167, 46528), (184, 46417), (197, 46330), (199, 46324), (201, 46297), (202, 46285), (203, 46282), (208, 46240), (213, 46192), (216, 46162), (226, 46111), (229, 46087), (248, 46036), (249, 46030), (254, 46012), (255, 46006), (256, 46003), (261, 45970), (262, 45964), (264, 45955), (265, 45946), (271, 45928), (276, 45913), (277, 45910), (279, 45904), (285, 45883), (289, 45856), (297, 45835), (322, 45724), (346, 45601),

Gene: Nozo_52 Start: 48018, Stop: 46219, Start Num: 39

Candidate Starts for Nozo_52:

(17, 48204), (19, 48183), (24, 48108), (Start: 39 @48018 has 104 MA's), (45, 47994), (Start: 48 @47988 has 3 MA's), (49, 47985), (Start: 59 @47916 has 33 MA's), (Start: 95 @47718 has 1 MA's), (100, 47682), (110, 47625), (118, 47568), (124, 47526), (126, 47520), (131, 47463), (136, 47436), (137, 47418), (148, 47313), (161, 47223), (163, 47211), (166, 47190), (173, 47145), (183, 47082), (194, 46998), (198, 46983), (199, 46980), (200, 46977), (201, 46953), (204, 46935), (208, 46896), (213, 46848), (216, 46818), (220, 46794), (227, 46752), (253, 46674), (259, 46647), (268, 46596), (277, 46572), (292, 46524), (307, 46485), (319, 46443), (338, 46338), (346, 46296), (349, 46281),

Gene: Numberten_52 Start: 46862, Stop: 45249, Start Num: 81

Candidate Starts for Numberten_52:

(Start: 63 @46952 has 65 MA's), (Start: 74 @46928 has 11 MA's), (Start: 79 @46871 has 1 MA's), (Start: 81 @46862 has 2 MA's), (96, 46772), (100, 46739), (110, 46682), (112, 46670), (114, 46646), (117, 46634), (118, 46625), (128, 46565), (137, 46475), (141, 46430), (148, 46370), (157, 46316), (163, 46268), (166, 46247), (188, 46115), (197, 46046), (199, 46040), (201, 46013), (203, 45998), (208, 45956), (213, 45908), (216, 45878), (221, 45851), (255, 45725), (257, 45719), (260, 45692), (272, 45647), (277, 45632), (279, 45626), (292, 45572), (297, 45563), (346, 45335), (355, 45299),

Gene: Nyala_51 Start: 46744, Stop: 44948, Start Num: 39

Candidate Starts for Nyala_51:

(Start: 39 @46744 has 104 MA's), (Start: 64 @46651 has 144 MA's), (Start: 74 @46627 has 11 MA's), (Start: 79 @46570 has 1 MA's), (Start: 81 @46561 has 2 MA's), (96, 46471), (100, 46438), (110, 46381), (112, 46369), (114, 46345), (117, 46333), (118, 46324), (128, 46264), (137, 46174), (141, 46129), (148, 46069), (163, 45967), (166, 45946), (188, 45814), (197, 45745), (199, 45739), (201, 45712), (203, 45697), (208, 45655), (213, 45607), (216, 45577), (221, 45550), (255, 45424), (257, 45418), (260, 45391), (271, 45349), (272, 45346), (277, 45331), (279, 45325), (292, 45271), (297, 45262), (346, 45034), (355, 44998),

Gene: OSmaximus_53 Start: 47218, Stop: 45422, Start Num: 39

Candidate Starts for OSmaximus_53:

(Start: 39 @47218 has 104 MA's), (Start: 64 @47125 has 144 MA's), (Start: 74 @47101 has 11 MA's), (Start: 79 @47044 has 1 MA's), (Start: 81 @47035 has 2 MA's), (96, 46945), (100, 46912), (110, 46855), (112, 46843), (114, 46819), (117, 46807), (118, 46798), (128, 46738), (137, 46648), (141, 46603), (148, 46543), (157, 46489), (163, 46441), (166, 46420), (188, 46288), (197, 46219), (199, 46213), (201, 46186), (203, 46171), (208, 46129), (213, 46081), (216, 46051), (221, 46024), (255, 45898), (257, 45892), (260, 45865), (272, 45820), (277, 45805), (279, 45799), (292, 45745), (297, 45736), (346, 45508), (355, 45472),

Gene: Obutu_53 Start: 47602, Stop: 45905, Start Num: 59

Candidate Starts for Obutu_53:

(Start: 59 @47602 has 33 MA's), (Start: 95 @47404 has 1 MA's), (100, 47368), (110, 47311), (118, 47254), (124, 47212), (126, 47206), (131, 47149), (136, 47122), (137, 47104), (148, 46999), (161, 46909), (163, 46897), (166, 46876), (173, 46831), (183, 46768), (194, 46684), (198, 46669), (199, 46666), (200, 46663), (201, 46639), (204, 46621), (208, 46582), (213, 46534), (216, 46504), (220, 46480), (227, 46438), (253, 46360), (259, 46333), (268, 46282), (277, 46258), (292, 46210), (307, 46171), (319, 46129), (338, 46024), (346, 45982), (349, 45967),

Gene: OkiRoe_65 Start: 46147, Stop: 47856, Start Num: 66

Candidate Starts for OkiRoe_65:

(Start: 66 @46147 has 22 MA's), (84, 46240), (88, 46282), (Start: 95 @46318 has 1 MA's), (96, 46321), (99, 46345), (100, 46354), (107, 46393), (110, 46411), (118, 46468), (121, 46495), (122, 46498), (130, 46561), (137, 46621), (140, 46651), (141, 46660), (148, 46720), (151, 46735), (152, 46738), (158, 46780), (159, 46783), (162, 46819), (163, 46822), (171, 46888), (172, 46891), (173, 46894), (175, 46909), (176, 46924), (179, 46939), (186, 46969), (188, 46981), (201, 47083), (202, 47095), (203, 47098), (204, 47101), (206, 47122), (208, 47140), (212, 47185), (213, 47188), (219, 47227), (222, 47248), (254, 47377), (265, 47446), (266, 47449), (276, 47482), (277, 47485), (278, 47488), (291, 47551), (294, 47560), (297, 47566), (302, 47590), (312, 47623), (327, 47686), (333, 47707), (335, 47722), (337, 47749), (338, 47758), (341, 47773),

Gene: Olak_52 Start: 46747, Stop: 44951, Start Num: 39

Candidate Starts for Olak_52:

(Start: 39 @46747 has 104 MA's), (Start: 64 @46654 has 144 MA's), (Start: 74 @46630 has 11 MA's), (Start: 79 @46573 has 1 MA's), (Start: 81 @46564 has 2 MA's), (96, 46474), (100, 46441), (110, 46384), (112, 46372), (114, 46348), (117, 46336), (118, 46327), (128, 46267), (137, 46177), (141, 46132), (148, 46072), (163, 45970), (166, 45949), (188, 45817), (197, 45748), (199, 45742), (201, 45715), (203, 45700), (208, 45658), (213, 45610), (216, 45580), (221, 45553), (255, 45427), (257, 45421), (260, 45394), (271, 45352), (272, 45349), (277, 45334), (279, 45328), (292, 45274), (297, 45265), (346, 45037), (355, 45001),

Gene: Oline_51 Start: 46607, Stop: 44811, Start Num: 39

Candidate Starts for Oline_51:

(Start: 39 @46607 has 104 MA's), (Start: 64 @46514 has 144 MA's), (Start: 74 @46490 has 11 MA's), (Start: 79 @46433 has 1 MA's), (Start: 81 @46424 has 2 MA's), (96, 46334), (100, 46301), (110, 46244), (112, 46232), (114, 46208), (117, 46196), (118, 46187), (128, 46127), (137, 46037), (141, 45992), (148, 45932), (157, 45878), (163, 45830), (166, 45809), (188, 45677), (197, 45608), (199, 45602), (201, 45575), (203, 45560), (208, 45518), (213, 45470), (216, 45440), (221, 45413), (255, 45287), (257, 45281), (260, 45254), (272, 45209), (277, 45194), (279, 45188), (292, 45134), (297, 45125), (346, 44897), (355, 44861),

Gene: Olive_52 Start: 46941, Stop: 45238, Start Num: 63

Candidate Starts for Olive_52:

(13, 47253), (15, 47226), (Start: 63 @46941 has 65 MA's), (Start: 74 @46917 has 11 MA's), (Start: 79 @46860 has 1 MA's), (Start: 81 @46851 has 2 MA's), (96, 46761), (100, 46728), (110, 46671), (112, 46659), (114, 46635), (117, 46623), (118, 46614), (128, 46554), (137, 46464), (141, 46419), (148, 46359), (163, 46257), (166, 46236), (188, 46104), (197, 46035), (199, 46029), (201, 46002), (203, 45987), (208, 45945), (213, 45897), (216, 45867), (221, 45840), (255, 45714), (257, 45708), (260, 45681), (271, 45639), (272, 45636), (277, 45621), (279, 45615), (292, 45561), (297, 45552), (346, 45324), (355, 45288),

Gene: OliverWalter_52 Start: 46963, Stop: 45260, Start Num: 63

Candidate Starts for OliverWalter_52:

(Start: 63 @46963 has 65 MA's), (Start: 74 @46939 has 11 MA's), (Start: 79 @46882 has 1 MA's), (Start: 81 @46873 has 2 MA's), (96, 46783), (100, 46750), (110, 46693), (112, 46681), (114, 46657), (117, 46645), (118, 46636), (128, 46576), (137, 46486), (141, 46441), (163, 46279), (166, 46258), (188, 46126), (197, 46057), (199, 46051), (201, 46024), (203, 46009), (208, 45967), (213, 45919), (216, 45889), (221, 45862), (255, 45736), (257, 45730), (260, 45703), (272, 45658), (277, 45643), (279, 45637), (292, 45583), (297, 45574), (346, 45346), (355, 45310),

Gene: Omnicron_68 Start: 46282, Stop: 47976, Start Num: 66

Candidate Starts for Omnicron_68:

(Start: 66 @46282 has 22 MA's), (83, 46372), (84, 46375), (Start: 95 @46453 has 1 MA's), (96, 46456), (99, 46480), (100, 46489), (107, 46528), (110, 46546), (118, 46603), (121, 46630), (122, 46633), (130, 46696), (137, 46756), (140, 46786), (141, 46795), (148, 46855), (152, 46873), (159, 46918), (162, 46954), (163, 46957), (171, 47023), (172, 47026), (173, 47029), (175, 47044), (176, 47059), (186, 47104), (188, 47116), (200, 47194), (201, 47218), (202, 47230), (203, 47233), (204, 47236), (206, 47257), (208, 47275), (213, 47323), (214, 47326), (222, 47383), (243, 47467), (254, 47509), (265, 47578), (266, 47581), (276, 47614), (277, 47617), (278, 47620), (279, 47623), (291, 47683), (294, 47692), (297, 47698), (302, 47722), (312, 47755), (318, 47782), (333, 47839), (335, 47854), (337, 47881), (338, 47890), (339, 47893), (341, 47905), (350, 47953),

Gene: Omniscient_52 Start: 46960, Stop: 45257, Start Num: 64

Candidate Starts for Omniscient_52:

(23, 47143), (25, 47137), (Start: 64 @46960 has 144 MA's), (Start: 74 @46936 has 11 MA's), (Start: 79 @46879 has 1 MA's), (Start: 81 @46870 has 2 MA's), (96, 46780), (100, 46747), (110, 46690), (112, 46678), (114, 46654), (117, 46642), (118, 46633), (128, 46573), (137, 46483), (141, 46438), (148, 46378), (157, 46324), (163, 46276), (166, 46255), (188, 46123), (197, 46054), (199, 46048), (201, 46021), (203, 46006), (208, 45964), (213, 45916), (216, 45886), (221, 45859), (255, 45733), (257, 45727), (260, 45700), (272, 45655), (277, 45640), (279, 45634), (292, 45580), (297, 45571), (346, 45343), (355, 45307),

Gene: Oosterbaan_52 Start: 46948, Stop: 45245, Start Num: 63

Candidate Starts for Oosterbaan_52:

(Start: 63 @46948 has 65 MA's), (Start: 74 @46924 has 11 MA's), (Start: 79 @46867 has 1 MA's), (Start: 81 @46858 has 2 MA's), (96, 46768), (100, 46735), (110, 46678), (112, 46666), (114, 46642), (117, 46630), (118, 46621), (128, 46561), (137, 46471), (141, 46426), (148, 46366), (163, 46264), (166, 46243), (188, 46111), (197, 46042), (199, 46036), (201, 46009), (203, 45994), (208, 45952), (213, 45904), (216, 45874), (221, 45847), (255, 45721), (257, 45715), (260, 45688), (271, 45646), (272, 45643), (277, 45628), (279, 45622), (292, 45568), (297, 45559), (346, 45331), (355, 45295),

Gene: Opia_51 Start: 46578, Stop: 44863, Start Num: 64

Candidate Starts for Opia_51:

(10, 47007), (12, 46971), (14, 46899), (16, 46884), (20, 46833), (Start: 64 @46578 has 144 MA's), (70, 46566), (94, 46395), (Start: 95 @46392 has 1 MA's), (100, 46356), (101, 46344), (103, 46335), (110, 46299), (111, 46296), (114, 46263), (124, 46200), (137, 46092), (141, 46053), (153, 45972), (157, 45939), (159, 45930), (163, 45891), (166, 45870), (167, 45867), (173, 45825), (175, 45810), (176, 45795), (183, 45765), (188, 45738), (192, 45690), (198, 45666), (199, 45663), (201, 45636), (202, 45624), (204, 45618), (208, 45579), (213, 45531), (216, 45501), (217, 45495), (226, 45450), (239, 45375), (243, 45363), (249, 45336), (250, 45333), (254, 45318), (265, 45252), (277, 45219), (301, 45141), (312, 45111), (313, 45108), (316, 45096), (324, 45057), (338, 44979), (346, 44937), (362, 44871),

Gene: OrangeOswald_52 Start: 47259, Stop: 45460, Start Num: 39

Candidate Starts for OrangeOswald_52:

(17, 47445), (19, 47424), (24, 47349), (Start: 39 @47259 has 104 MA's), (45, 47235), (Start: 48 @47229 has 3 MA's), (49, 47226), (Start: 59 @47157 has 33 MA's), (Start: 95 @46959 has 1 MA's), (100, 46923), (110, 46866), (118, 46809), (124, 46767), (126, 46761), (131, 46704), (136, 46677), (137, 46659), (148, 46554), (161, 46464), (163, 46452), (166, 46431), (173, 46386), (183, 46323), (194, 46239), (198, 46224), (199, 46221), (200, 46218), (201, 46194), (204, 46176), (208, 46137), (213, 46089), (216, 46059), (220, 46035), (227, 45993), (253, 45915), (259, 45888), (268, 45837), (277, 45813), (292, 45765), (307, 45726), (319, 45684), (338, 45579), (346, 45537), (349, 45522),

Gene: Orfeu_52 Start: 46740, Stop: 44944, Start Num: 39

Candidate Starts for Orfeu_52:

(Start: 39 @46740 has 104 MA's), (Start: 64 @46647 has 144 MA's), (Start: 74 @46623 has 11 MA's), (Start: 79 @46566 has 1 MA's), (Start: 81 @46557 has 2 MA's), (96, 46467), (100, 46434), (110, 46377), (112, 46365), (114, 46341), (117, 46329), (118, 46320), (128, 46260), (137, 46170), (141, 46125), (148, 46065), (163, 45963), (166, 45942), (188, 45810), (197, 45741), (199, 45735), (201, 45708), (203, 45693), (208, 45651), (213, 45603), (216, 45573), (221, 45546), (255, 45420), (257, 45414), (260, 45387), (271, 45345), (272, 45342), (277, 45327), (279, 45321), (292, 45267), (297, 45258), (346, 45030), (355, 44994),

Gene: Orion_53 Start: 47081, Stop: 45378, Start Num: 64

Candidate Starts for Orion_53:

(Start: 39 @47174 has 104 MA's), (Start: 64 @47081 has 144 MA's), (Start: 74 @47057 has 11 MA's), (Start: 79 @47000 has 1 MA's), (Start: 81 @46991 has 2 MA's), (96, 46901), (100, 46868), (110, 46811), (112, 46799), (114, 46775), (117, 46763), (118, 46754), (128, 46694), (137, 46604), (141, 46559), (148, 46499), (163, 46397), (166, 46376), (188, 46244), (197, 46175), (199, 46169), (201, 46142), (203, 46127), (208, 46085), (213, 46037), (216, 46007), (221, 45980), (255, 45854), (257, 45848), (260, 45821), (271, 45779), (272, 45776), (277, 45761), (279, 45755), (292, 45701), (297, 45692), (346, 45464), (355, 45428),

Gene: Orwigg_53 Start: 46740, Stop: 44944, Start Num: 39

Candidate Starts for Orwigg_53:

(Start: 39 @46740 has 104 MA's), (Start: 64 @46647 has 144 MA's), (Start: 74 @46623 has 11 MA's), (Start: 79 @46566 has 1 MA's), (Start: 81 @46557 has 2 MA's), (96, 46467), (100, 46434), (110, 46377), (112, 46365), (114, 46341), (117, 46329), (118, 46320), (128, 46260), (137, 46170), (141, 46125), (148, 46065), (163, 45963), (166, 45942), (188, 45810), (197, 45741), (199, 45735), (201, 45708), (203, 45693), (208, 45651), (213, 45603), (216, 45573), (221, 45546), (255, 45420), (257, 45414), (260, 45387), (271, 45345), (272, 45342), (277, 45327), (279, 45321), (292, 45267), (297, 45258), (346, 45030), (355, 44994),

Gene: PG1_53 Start: 47070, Stop: 45391, Start Num: 74

Candidate Starts for PG1_53:

(Start: 39 @47187 has 104 MA's), (Start: 64 @47094 has 144 MA's), (Start: 74 @47070 has 11 MA's), (Start: 79 @47013 has 1 MA's), (Start: 81 @47004 has 2 MA's), (96, 46914), (100, 46881), (110, 46824), (112, 46812), (114, 46788), (117, 46776), (118, 46767), (128, 46707), (137, 46617), (141, 46572), (148, 46512), (157, 46458), (163, 46410), (166, 46389), (188, 46257), (197, 46188), (199, 46182), (201, 46155), (203, 46140), (208, 46098), (213, 46050), (216, 46020), (221, 45993), (255, 45867), (257, 45861), (260, 45834), (272, 45789), (277, 45774), (279, 45768), (292, 45714), (297, 45705), (346, 45477), (355, 45441),

Gene: Pacifista_54 Start: 46560, Stop: 44947, Start Num: 81

Candidate Starts for Pacifista_54:

(Start: 39 @46743 has 104 MA's), (Start: 64 @46650 has 144 MA's), (Start: 74 @46626 has 11 MA's), (Start: 79 @46569 has 1 MA's), (Start: 81 @46560 has 2 MA's), (96, 46470), (100, 46437), (110, 46380), (112, 46368), (114, 46344), (117, 46332), (118, 46323), (128, 46263), (137, 46173), (141,

46128), (148, 46068), (163, 45966), (166, 45945), (188, 45813), (197, 45744), (199, 45738), (201, 45711), (203, 45696), (208, 45654), (213, 45606), (216, 45576), (221, 45549), (255, 45423), (257, 45417), (260, 45390), (271, 45348), (272, 45345), (277, 45330), (279, 45324), (292, 45270), (297, 45261), (346, 45033), (355, 44997),

Gene: Paola_64 Start: 45720, Stop: 47429, Start Num: 66

Candidate Starts for Paola_64:

(Start: 66 @45720 has 22 MA's), (84, 45813), (88, 45855), (Start: 95 @45891 has 1 MA's), (96, 45894), (99, 45918), (100, 45927), (107, 45966), (110, 45984), (118, 46041), (121, 46068), (122, 46071), (130, 46134), (137, 46194), (140, 46224), (141, 46233), (148, 46293), (151, 46308), (152, 46311), (158, 46353), (159, 46356), (162, 46392), (163, 46395), (171, 46461), (172, 46464), (173, 46467), (175, 46482), (176, 46497), (179, 46512), (186, 46542), (188, 46554), (201, 46656), (202, 46668), (203, 46671), (204, 46674), (206, 46695), (208, 46713), (212, 46758), (213, 46761), (219, 46800), (222, 46821), (254, 46950), (265, 47019), (266, 47022), (276, 47055), (277, 47058), (278, 47061), (291, 47124), (294, 47133), (297, 47139), (302, 47163), (312, 47196), (327, 47259), (333, 47280), (335, 47295), (337, 47322), (338, 47331), (341, 47346),

Gene: PenguinLover67_53 Start: 49331, Stop: 47634, Start Num: 64

Candidate Starts for PenguinLover67_53:

(Start: 64 @49331 has 144 MA's), (84, 49229), (87, 49199), (Start: 95 @49151 has 1 MA's), (100, 49115), (103, 49094), (110, 49058), (114, 49022), (135, 48872), (137, 48851), (138, 48830), (153, 48731), (157, 48698), (162, 48653), (163, 48650), (167, 48626), (175, 48569), (188, 48497), (199, 48422), (201, 48395), (202, 48383), (208, 48338), (213, 48290), (216, 48260), (255, 48116), (265, 48056), (271, 48038), (277, 48020), (287, 47963), (325, 47825), (343, 47726), (346, 47711), (359, 47660),

Gene: Phaedrus_49 Start: 47080, Stop: 45383, Start Num: 59

Candidate Starts for Phaedrus_49:

(Start: 59 @47080 has 33 MA's), (Start: 95 @46882 has 1 MA's), (100, 46846), (110, 46789), (118, 46732), (124, 46690), (131, 46627), (136, 46600), (137, 46582), (148, 46477), (151, 46462), (161, 46387), (163, 46375), (166, 46354), (173, 46309), (183, 46246), (194, 46162), (198, 46147), (199, 46144), (200, 46141), (201, 46117), (204, 46099), (208, 46060), (213, 46012), (216, 45982), (220, 45958), (227, 45916), (253, 45838), (259, 45811), (265, 45769), (268, 45760), (277, 45736), (307, 45649), (319, 45607), (338, 45502), (346, 45460), (349, 45445), (353, 45427),

Gene: Phamished_53 Start: 47194, Stop: 45398, Start Num: 39

Candidate Starts for Phamished_53:

(Start: 39 @47194 has 104 MA's), (Start: 64 @47101 has 144 MA's), (Start: 74 @47077 has 11 MA's), (Start: 79 @47020 has 1 MA's), (Start: 81 @47011 has 2 MA's), (96, 46921), (100, 46888), (110, 46831), (112, 46819), (114, 46795), (117, 46783), (118, 46774), (128, 46714), (137, 46624), (141, 46579), (148, 46519), (157, 46465), (163, 46417), (166, 46396), (188, 46264), (197, 46195), (199, 46189), (201, 46162), (203, 46147), (208, 46105), (213, 46057), (216, 46027), (221, 46000), (255, 45874), (257, 45868), (260, 45841), (271, 45799), (272, 45796), (277, 45781), (279, 45775), (292, 45721), (297, 45712), (346, 45484), (355, 45448),

Gene: Phantasmagoria_51 Start: 46576, Stop: 44861, Start Num: 64

Candidate Starts for Phantasmagoria_51:

(10, 47005), (12, 46969), (14, 46897), (16, 46882), (20, 46831), (Start: 64 @46576 has 144 MA's), (70, 46564), (94, 46393), (Start: 95 @46390 has 1 MA's), (100, 46354), (101, 46342), (103, 46333), (110, 46297), (111, 46294), (114, 46261), (124, 46198), (137, 46090), (141, 46051), (153, 45970), (157, 45937), (159, 45928), (163, 45889), (166, 45868), (167, 45865), (173, 45823), (175, 45808), (176, 45793), (183, 45763), (188, 45736), (192, 45688), (198, 45664), (199, 45661), (201, 45634), (202, 45622), (204, 45616), (208, 45577), (213, 45529), (216, 45499), (217, 45493), (226, 45448), (239,

45373), (243, 45361), (249, 45334), (250, 45331), (254, 45316), (265, 45250), (277, 45217), (301, 45139), (312, 45109), (313, 45106), (316, 45094), (324, 45055), (338, 44977), (339, 44974), (346, 44935), (362, 44869),

Gene: Phareon_52 Start: 46649, Stop: 44946, Start Num: 63

Candidate Starts for Phareon_52:

(Start: 63 @46649 has 65 MA's), (Start: 74 @46625 has 11 MA's), (Start: 79 @46568 has 1 MA's), (Start: 81 @46559 has 2 MA's), (96, 46469), (100, 46436), (110, 46379), (112, 46367), (114, 46343), (117, 46331), (118, 46322), (128, 46262), (137, 46172), (141, 46127), (148, 46067), (157, 46013), (163, 45965), (166, 45944), (188, 45812), (197, 45743), (199, 45737), (201, 45710), (203, 45695), (208, 45653), (213, 45605), (216, 45575), (221, 45548), (255, 45422), (257, 45416), (260, 45389), (272, 45344), (277, 45329), (279, 45323), (292, 45269), (297, 45260), (346, 45032), (355, 44996),

Gene: PhatCats2014_53 Start: 47191, Stop: 45395, Start Num: 39

Candidate Starts for PhatCats2014_53:

(Start: 39 @47191 has 104 MA's), (Start: 64 @47098 has 144 MA's), (Start: 74 @47074 has 11 MA's), (Start: 79 @47017 has 1 MA's), (Start: 81 @47008 has 2 MA's), (96, 46918), (100, 46885), (110, 46828), (112, 46816), (114, 46792), (117, 46780), (118, 46771), (128, 46711), (137, 46621), (141, 46576), (148, 46516), (163, 46414), (166, 46393), (188, 46261), (197, 46192), (199, 46186), (201, 46159), (203, 46144), (208, 46102), (213, 46054), (216, 46024), (221, 45997), (255, 45871), (257, 45865), (260, 45838), (271, 45796), (272, 45793), (277, 45778), (279, 45772), (292, 45718), (297, 45709), (346, 45481), (355, 45445),

Gene: PhatLouie_52 Start: 47045, Stop: 45249, Start Num: 39

Candidate Starts for PhatLouie_52:

(Start: 39 @47045 has 104 MA's), (Start: 64 @46952 has 144 MA's), (Start: 74 @46928 has 11 MA's), (Start: 79 @46871 has 1 MA's), (Start: 81 @46862 has 2 MA's), (96, 46772), (100, 46739), (110, 46682), (112, 46670), (114, 46646), (117, 46634), (118, 46625), (128, 46565), (137, 46475), (141, 46430), (148, 46370), (163, 46268), (166, 46247), (188, 46115), (197, 46046), (199, 46040), (201, 46013), (203, 45998), (208, 45956), (213, 45908), (216, 45878), (221, 45851), (255, 45725), (257, 45719), (260, 45692), (272, 45647), (277, 45632), (279, 45626), (292, 45572), (297, 45563), (346, 45335), (355, 45299),

Gene: Phayeta_54 Start: 47484, Stop: 45787, Start Num: 59

Candidate Starts for Phayeta_54:

(Start: 59 @47484 has 33 MA's), (Start: 95 @47286 has 1 MA's), (100, 47250), (110, 47193), (118, 47136), (124, 47094), (126, 47088), (131, 47031), (136, 47004), (137, 46986), (148, 46881), (161, 46791), (163, 46779), (166, 46758), (173, 46713), (183, 46650), (194, 46566), (198, 46551), (199, 46548), (200, 46545), (201, 46521), (204, 46503), (208, 46464), (213, 46416), (216, 46386), (220, 46362), (227, 46320), (253, 46242), (259, 46215), (265, 46173), (268, 46164), (277, 46140), (307, 46053), (319, 46011), (338, 45906), (346, 45864), (349, 45849),

Gene: Phelemich_50 Start: 47963, Stop: 46269, Start Num: 64

Candidate Starts for Phelemich_50:

(Start: 64 @47963 has 144 MA's), (83, 47864), (Start: 95 @47783 has 1 MA's), (100, 47747), (110, 47693), (114, 47657), (124, 47594), (128, 47576), (135, 47507), (137, 47486), (157, 47333), (162, 47288), (163, 47285), (167, 47261), (196, 47069), (197, 47063), (199, 47057), (201, 47030), (202, 47018), (203, 47015), (208, 46973), (209, 46970), (213, 46925), (216, 46895), (221, 46868), (226, 46844), (246, 46778), (247, 46775), (250, 46763), (255, 46742), (256, 46739), (262, 46700), (265, 46682), (271, 46664), (277, 46646), (279, 46640), (284, 46622), (319, 46487), (330, 46445), (343, 46364), (346, 46349), (359, 46298), (363, 46283),

Gene: PhenghisKhan_51 Start: 46666, Stop: 44870, Start Num: 39

Candidate Starts for PhenghisKhan_51:

(Start: 39 @46666 has 104 MA's), (Start: 64 @46573 has 144 MA's), (Start: 74 @46549 has 11 MA's), (Start: 79 @46492 has 1 MA's), (Start: 81 @46483 has 2 MA's), (96, 46393), (100, 46360), (110, 46303), (112, 46291), (114, 46267), (117, 46255), (118, 46246), (128, 46186), (137, 46096), (141, 46051), (148, 45991), (157, 45937), (163, 45889), (166, 45868), (188, 45736), (197, 45667), (199, 45661), (201, 45634), (203, 45619), (208, 45577), (213, 45529), (216, 45499), (221, 45472), (255, 45346), (257, 45340), (260, 45313), (272, 45268), (277, 45253), (279, 45247), (292, 45193), (297, 45184), (346, 44956), (355, 44920),

Gene: Pherdinand_53 Start: 47111, Stop: 45408, Start Num: 64

Candidate Starts for Pherdinand_53:

(Start: 39 @47204 has 104 MA's), (Start: 64 @47111 has 144 MA's), (Start: 74 @47087 has 11 MA's), (Start: 79 @47030 has 1 MA's), (Start: 81 @47021 has 2 MA's), (96, 46931), (100, 46898), (110, 46841), (112, 46829), (114, 46805), (117, 46793), (118, 46784), (128, 46724), (137, 46634), (141, 46589), (148, 46529), (163, 46427), (166, 46406), (188, 46274), (197, 46205), (199, 46199), (201, 46172), (203, 46157), (208, 46115), (213, 46067), (216, 46037), (221, 46010), (255, 45884), (257, 45878), (260, 45851), (271, 45809), (272, 45806), (277, 45791), (279, 45785), (292, 45731), (297, 45722), (346, 45494), (355, 45458),

Gene: Phergie_52 Start: 46658, Stop: 44862, Start Num: 39

Candidate Starts for Phergie_52:

(Start: 39 @46658 has 104 MA's), (Start: 64 @46565 has 144 MA's), (Start: 74 @46541 has 11 MA's), (Start: 79 @46484 has 1 MA's), (Start: 81 @46475 has 2 MA's), (96, 46385), (100, 46352), (110, 46295), (112, 46283), (114, 46259), (117, 46247), (118, 46238), (128, 46178), (137, 46088), (141, 46043), (148, 45983), (157, 45929), (163, 45881), (166, 45860), (188, 45728), (197, 45659), (199, 45653), (201, 45626), (203, 45611), (208, 45569), (213, 45521), (216, 45491), (221, 45464), (255, 45338), (257, 45332), (260, 45305), (272, 45260), (277, 45245), (279, 45239), (292, 45185), (297, 45176), (346, 44948), (355, 44912),

Gene: Philly_51 Start: 47008, Stop: 45311, Start Num: 59

Candidate Starts for Philly_51:

(Start: 59 @47008 has 33 MA's), (Start: 95 @46810 has 1 MA's), (100, 46774), (110, 46717), (118, 46660), (124, 46618), (126, 46612), (131, 46555), (136, 46528), (137, 46510), (148, 46405), (161, 46315), (163, 46303), (166, 46282), (173, 46237), (183, 46174), (194, 46090), (198, 46075), (199, 46072), (200, 46069), (201, 46045), (204, 46027), (208, 45988), (213, 45940), (216, 45910), (220, 45886), (227, 45844), (253, 45766), (259, 45739), (268, 45688), (277, 45664), (292, 45616), (307, 45577), (319, 45535), (338, 45430), (346, 45388), (349, 45373),

Gene: Phipps_52 Start: 47022, Stop: 45226, Start Num: 39

Candidate Starts for Phipps_52:

(Start: 39 @47022 has 104 MA's), (Start: 64 @46929 has 144 MA's), (Start: 74 @46905 has 11 MA's), (Start: 79 @46848 has 1 MA's), (Start: 81 @46839 has 2 MA's), (96, 46749), (100, 46716), (110, 46659), (112, 46647), (114, 46623), (117, 46611), (118, 46602), (128, 46542), (137, 46452), (141, 46407), (148, 46347), (163, 46245), (166, 46224), (188, 46092), (197, 46023), (199, 46017), (201, 45990), (203, 45975), (208, 45933), (213, 45885), (216, 45855), (221, 45828), (255, 45702), (257, 45696), (260, 45669), (271, 45627), (272, 45624), (277, 45609), (279, 45603), (292, 45549), (297, 45540), (346, 45312), (355, 45276),

Gene: Phleuron_51 Start: 46663, Stop: 44867, Start Num: 39

Candidate Starts for Phleuron_51:

(Start: 39 @46663 has 104 MA's), (Start: 64 @46570 has 144 MA's), (Start: 74 @46546 has 11 MA's), (Start: 79 @46489 has 1 MA's), (Start: 81 @46480 has 2 MA's), (96, 46390), (100, 46357), (110, 46300), (112, 46288), (114, 46264), (117, 46252), (118, 46243), (128, 46183), (137, 46093), (141,

46048), (148, 45988), (157, 45934), (163, 45886), (166, 45865), (188, 45733), (197, 45664), (199, 45658), (201, 45631), (203, 45616), (208, 45574), (213, 45526), (216, 45496), (221, 45469), (255, 45343), (257, 45337), (260, 45310), (272, 45265), (277, 45250), (279, 45244), (292, 45190), (297, 45181), (346, 44953), (355, 44917),

Gene: Phlyer_52 Start: 47897, Stop: 46200, Start Num: 59

Candidate Starts for Phlyer_52:

(Start: 59 @47897 has 33 MA's), (Start: 95 @47699 has 1 MA's), (100, 47663), (110, 47606), (118, 47549), (124, 47507), (126, 47501), (131, 47444), (136, 47417), (137, 47399), (148, 47294), (161, 47204), (163, 47192), (166, 47171), (173, 47126), (183, 47063), (194, 46979), (198, 46964), (199, 46961), (200, 46958), (201, 46934), (204, 46916), (208, 46877), (213, 46829), (216, 46799), (220, 46775), (227, 46733), (253, 46655), (259, 46628), (268, 46577), (277, 46553), (292, 46505), (307, 46466), (319, 46424), (338, 46319), (346, 46277), (349, 46262),

Gene: PhrankReynolds_50 Start: 46663, Stop: 44867, Start Num: 39

Candidate Starts for PhrankReynolds_50:

(Start: 39 @46663 has 104 MA's), (Start: 64 @46570 has 144 MA's), (Start: 74 @46546 has 11 MA's), (Start: 79 @46489 has 1 MA's), (Start: 81 @46480 has 2 MA's), (96, 46390), (100, 46357), (110, 46300), (112, 46288), (114, 46264), (117, 46252), (118, 46243), (128, 46183), (137, 46093), (141, 46048), (148, 45988), (157, 45934), (163, 45886), (166, 45865), (188, 45733), (197, 45664), (199, 45658), (201, 45631), (203, 45616), (208, 45574), (213, 45526), (216, 45496), (221, 45469), (255, 45343), (257, 45337), (260, 45310), (272, 45265), (277, 45250), (279, 45244), (292, 45190), (297, 45181), (346, 44953), (355, 44917),

Gene: PhrodoBaggins_52 Start: 47170, Stop: 45374, Start Num: 39

Candidate Starts for PhrodoBaggins_52:

(Start: 39 @47170 has 104 MA's), (Start: 64 @47077 has 144 MA's), (Start: 74 @47053 has 11 MA's), (Start: 79 @46996 has 1 MA's), (Start: 81 @46987 has 2 MA's), (96, 46897), (100, 46864), (110, 46807), (112, 46795), (114, 46771), (117, 46759), (118, 46750), (128, 46690), (137, 46600), (141, 46555), (148, 46495), (157, 46441), (163, 46393), (166, 46372), (188, 46240), (197, 46171), (199, 46165), (201, 46138), (203, 46123), (208, 46081), (213, 46033), (216, 46003), (221, 45976), (255, 45850), (257, 45844), (260, 45817), (272, 45772), (277, 45757), (279, 45751), (292, 45697), (297, 45688), (346, 45460), (355, 45424),

Gene: Phunky_52 Start: 46946, Stop: 45243, Start Num: 63

Candidate Starts for Phunky_52:

(Start: 63 @46946 has 65 MA's), (Start: 74 @46922 has 11 MA's), (Start: 79 @46865 has 1 MA's), (Start: 81 @46856 has 2 MA's), (96, 46766), (100, 46733), (110, 46676), (112, 46664), (114, 46640), (117, 46628), (118, 46619), (128, 46559), (137, 46469), (141, 46424), (148, 46364), (157, 46310), (163, 46262), (166, 46241), (188, 46109), (197, 46040), (199, 46034), (201, 46007), (203, 45992), (208, 45950), (213, 45902), (216, 45872), (221, 45845), (255, 45719), (257, 45713), (260, 45686), (272, 45641), (277, 45626), (279, 45620), (292, 45566), (297, 45557), (346, 45329), (355, 45293),

Gene: Piglet_0052 Start: 47164, Stop: 45368, Start Num: 39

Candidate Starts for Piglet_0052:

(Start: 39 @47164 has 104 MA's), (Start: 64 @47071 has 144 MA's), (Start: 74 @47047 has 11 MA's), (Start: 79 @46990 has 1 MA's), (Start: 81 @46981 has 2 MA's), (96, 46891), (100, 46858), (110, 46801), (112, 46789), (114, 46765), (117, 46753), (118, 46744), (128, 46684), (137, 46594), (141, 46549), (148, 46489), (157, 46435), (163, 46387), (166, 46366), (188, 46234), (197, 46165), (199, 46159), (201, 46132), (203, 46117), (208, 46075), (213, 46027), (216, 45997), (221, 45970), (255, 45844), (257, 45838), (260, 45811), (272, 45766), (277, 45751), (279, 45745), (292, 45691), (297, 45682), (346, 45454), (355, 45418),

Gene: Pine5_45 Start: 37875, Stop: 36184, Start Num: 64

Candidate Starts for Pine5_45:

(Start: 64 @37875 has 144 MA's), (72, 37860), (88, 37725), (100, 37653), (153, 37275), (157, 37242), (158, 37236), (160, 37230), (163, 37194), (183, 37068), (186, 37053), (195, 36981), (201, 36939), (203, 36924), (204, 36921), (208, 36882), (211, 36861), (216, 36804), (218, 36795), (256, 36654), (259, 36639), (262, 36612), (266, 36591), (277, 36564), (297, 36498), (302, 36477), (320, 36396), (322, 36390), (346, 36258), (349, 36243),

Gene: PinheadLarry_52 Start: 46749, Stop: 44953, Start Num: 39

Candidate Starts for PinheadLarry_52:

(Start: 39 @46749 has 104 MA's), (Start: 64 @46656 has 144 MA's), (Start: 74 @46632 has 11 MA's), (Start: 79 @46575 has 1 MA's), (Start: 81 @46566 has 2 MA's), (96, 46476), (100, 46443), (110, 46386), (112, 46374), (114, 46350), (117, 46338), (118, 46329), (128, 46269), (137, 46179), (141, 46134), (148, 46074), (157, 46020), (163, 45972), (166, 45951), (188, 45819), (197, 45750), (199, 45744), (201, 45717), (203, 45702), (208, 45660), (213, 45612), (216, 45582), (221, 45555), (255, 45429), (257, 45423), (260, 45396), (272, 45351), (277, 45336), (279, 45330), (292, 45276), (297, 45267), (346, 45039), (355, 45003),

Gene: Pinkman_51 Start: 46601, Stop: 44805, Start Num: 39

Candidate Starts for Pinkman_51:

(Start: 39 @46601 has 104 MA's), (Start: 64 @46508 has 144 MA's), (Start: 74 @46484 has 11 MA's), (Start: 79 @46427 has 1 MA's), (Start: 81 @46418 has 2 MA's), (96, 46328), (100, 46295), (110, 46238), (112, 46226), (114, 46202), (117, 46190), (118, 46181), (128, 46121), (137, 46031), (141, 45986), (148, 45926), (157, 45872), (163, 45824), (166, 45803), (188, 45671), (197, 45602), (199, 45596), (201, 45569), (203, 45554), (208, 45512), (213, 45464), (216, 45434), (221, 45407), (255, 45281), (257, 45275), (260, 45248), (272, 45203), (277, 45188), (279, 45182), (292, 45128), (297, 45119), (346, 44891), (355, 44855),

Gene: Pipefish_54 Start: 48428, Stop: 46731, Start Num: 59

Candidate Starts for Pipefish_54:

(3, 49013), (4, 48956), (5, 48890), (9, 48857), (17, 48716), (19, 48695), (24, 48620), (Start: 39 @48530 has 104 MA's), (45, 48506), (Start: 48 @48500 has 3 MA's), (49, 48497), (Start: 59 @48428 has 33 MA's), (Start: 95 @48230 has 1 MA's), (100, 48194), (110, 48137), (118, 48080), (124, 48038), (126, 48032), (131, 47975), (136, 47948), (137, 47930), (148, 47825), (161, 47735), (163, 47723), (166, 47702), (173, 47657), (183, 47594), (194, 47510), (198, 47495), (199, 47492), (200, 47489), (201, 47465), (204, 47447), (208, 47408), (213, 47360), (216, 47330), (220, 47306), (227, 47264), (253, 47186), (259, 47159), (262, 47135), (268, 47108), (277, 47084), (292, 47036), (307, 46997), (319, 46955), (338, 46850), (346, 46808), (349, 46793),

Gene: Pipsqueak_52 Start: 46953, Stop: 45250, Start Num: 63

Candidate Starts for Pipsqueak_52:

(13, 47286), (15, 47259), (Start: 63 @46953 has 65 MA's), (Start: 74 @46929 has 11 MA's), (Start: 79 @46872 has 1 MA's), (Start: 81 @46863 has 2 MA's), (96, 46773), (100, 46740), (110, 46683), (112, 46671), (114, 46647), (117, 46635), (118, 46626), (128, 46566), (137, 46476), (141, 46431), (148, 46371), (157, 46317), (163, 46269), (166, 46248), (188, 46116), (197, 46047), (199, 46041), (201, 46014), (203, 45999), (208, 45957), (213, 45909), (216, 45879), (221, 45852), (255, 45726), (257, 45720), (260, 45693), (271, 45651), (272, 45648), (277, 45633), (279, 45627), (292, 45573), (297, 45564), (346, 45336), (355, 45300),

Gene: Placalicious_51 Start: 46739, Stop: 44943, Start Num: 39

Candidate Starts for Placalicious_51:

(Start: 39 @46739 has 104 MA's), (Start: 64 @46646 has 144 MA's), (Start: 74 @46622 has 11 MA's), (Start: 79 @46565 has 1 MA's), (Start: 81 @46556 has 2 MA's), (96, 46466), (100, 46433), (110,

46376), (112, 46364), (114, 46340), (117, 46328), (118, 46319), (128, 46259), (137, 46169), (141, 46124), (148, 46064), (157, 46010), (163, 45962), (166, 45941), (188, 45809), (197, 45740), (199, 45734), (201, 45707), (203, 45692), (208, 45650), (213, 45602), (216, 45572), (221, 45545), (255, 45419), (257, 45413), (260, 45386), (272, 45341), (277, 45326), (279, 45320), (292, 45266), (297, 45257), (346, 45029), (355, 44993),

Gene: Plmatters_52 Start: 46949, Stop: 45246, Start Num: 63

Candidate Starts for Plmatters_52:

(Start: 63 @46949 has 65 MA's), (Start: 74 @46925 has 11 MA's), (Start: 79 @46868 has 1 MA's), (Start: 81 @46859 has 2 MA's), (96, 46769), (100, 46736), (110, 46679), (112, 46667), (114, 46643), (117, 46631), (118, 46622), (128, 46562), (137, 46472), (141, 46427), (148, 46367), (157, 46313), (163, 46265), (166, 46244), (188, 46112), (197, 46043), (199, 46037), (201, 46010), (203, 45995), (208, 45953), (213, 45905), (216, 45875), (221, 45848), (255, 45722), (257, 45716), (260, 45689), (272, 45644), (277, 45629), (279, 45623), (292, 45569), (297, 45560), (346, 45332), (355, 45296),

Gene: Podrick_52 Start: 46940, Stop: 45237, Start Num: 63

Candidate Starts for Podrick_52:

(Start: 63 @46940 has 65 MA's), (Start: 74 @46916 has 11 MA's), (Start: 79 @46859 has 1 MA's), (Start: 81 @46850 has 2 MA's), (96, 46760), (100, 46727), (110, 46670), (112, 46658), (114, 46634), (117, 46622), (118, 46613), (128, 46553), (137, 46463), (141, 46418), (148, 46358), (163, 46256), (166, 46235), (188, 46103), (197, 46034), (199, 46028), (201, 46001), (203, 45986), (208, 45944), (213, 45896), (216, 45866), (221, 45839), (255, 45713), (257, 45707), (260, 45680), (271, 45638), (272, 45635), (277, 45620), (279, 45614), (292, 45560), (297, 45551), (346, 45323), (355, 45287),

Gene: Pops_52 Start: 46964, Stop: 45261, Start Num: 63

Candidate Starts for Pops_52:

(Start: 63 @46964 has 65 MA's), (Start: 74 @46940 has 11 MA's), (Start: 79 @46883 has 1 MA's), (Start: 81 @46874 has 2 MA's), (96, 46784), (100, 46751), (110, 46694), (112, 46682), (114, 46658), (117, 46646), (118, 46637), (128, 46577), (137, 46487), (141, 46442), (148, 46382), (163, 46280), (166, 46259), (188, 46127), (197, 46058), (199, 46052), (201, 46025), (203, 46010), (208, 45968), (213, 45920), (216, 45890), (221, 45863), (255, 45737), (257, 45731), (260, 45704), (271, 45662), (272, 45659), (277, 45644), (279, 45638), (292, 45584), (297, 45575), (346, 45347), (355, 45311),

Gene: Poster_46 Start: 46393, Stop: 44678, Start Num: 64

Candidate Starts for Poster_46:

(Start: 64 @46393 has 144 MA's), (97, 46201), (100, 46171), (103, 46150), (110, 46114), (114, 46078), (116, 46069), (135, 45928), (137, 45907), (138, 45886), (148, 45808), (153, 45787), (157, 45754), (159, 45745), (162, 45709), (163, 45706), (167, 45682), (186, 45565), (188, 45553), (191, 45529), (197, 45484), (199, 45478), (201, 45451), (202, 45439), (203, 45436), (208, 45394), (213, 45346), (216, 45316), (226, 45265), (239, 45217), (250, 45181), (255, 45160), (256, 45157), (262, 45118), (271, 45082), (276, 45067), (277, 45064), (281, 45055), (285, 45037), (289, 45010), (297, 44989), (322, 44878), (346, 44755),

Gene: Potter_51 Start: 46676, Stop: 44973, Start Num: 64

Candidate Starts for Potter_51:

(Start: 64 @46676 has 144 MA's), (Start: 74 @46652 has 11 MA's), (Start: 79 @46595 has 1 MA's), (Start: 81 @46586 has 2 MA's), (96, 46496), (100, 46463), (110, 46406), (112, 46394), (114, 46370), (117, 46358), (118, 46349), (128, 46289), (137, 46199), (141, 46154), (148, 46094), (163, 45992), (166, 45971), (188, 45839), (197, 45770), (199, 45764), (201, 45737), (203, 45722), (208, 45680), (213, 45632), (216, 45602), (221, 45575), (255, 45449), (257, 45443), (260, 45416), (271, 45374), (272, 45371), (277, 45356), (279, 45350), (292, 45296), (297, 45287), (346, 45059), (355, 45023),

Gene: Prickles_52 Start: 46940, Stop: 45237, Start Num: 64

Candidate Starts for Prickles_52:

(Start: 64 @46940 has 144 MA's), (Start: 74 @46916 has 11 MA's), (Start: 79 @46859 has 1 MA's), (Start: 81 @46850 has 2 MA's), (96, 46760), (100, 46727), (110, 46670), (112, 46658), (114, 46634), (117, 46622), (118, 46613), (128, 46553), (137, 46463), (141, 46418), (148, 46358), (157, 46304), (163, 46256), (166, 46235), (188, 46103), (197, 46034), (199, 46028), (201, 46001), (203, 45986), (208, 45944), (213, 45896), (216, 45866), (221, 45839), (255, 45713), (257, 45707), (260, 45680), (272, 45635), (277, 45620), (279, 45614), (292, 45560), (297, 45551), (346, 45323), (355, 45287),

Gene: Prince_48 Start: 47599, Stop: 45887, Start Num: 64

Candidate Starts for Prince_48:

(Start: 64 @47599 has 144 MA's), (94, 47416), (100, 47377), (103, 47356), (114, 47287), (128, 47206), (135, 47137), (137, 47116), (148, 47017), (153, 46996), (157, 46963), (159, 46954), (162, 46918), (163, 46915), (167, 46891), (184, 46780), (186, 46774), (188, 46762), (197, 46693), (199, 46687), (201, 46660), (202, 46648), (203, 46645), (208, 46603), (213, 46555), (216, 46525), (250, 46390), (254, 46375), (255, 46369), (256, 46366), (261, 46333), (262, 46327), (264, 46318), (271, 46291), (276, 46276), (277, 46273), (281, 46264), (285, 46246), (289, 46219), (297, 46198), (322, 46087), (346, 45964), (356, 45925), (359, 45913),

Gene: ProfessorX_52 Start: 46860, Stop: 45238, Start Num: 79

Candidate Starts for ProfessorX_52:

(Start: 63 @46941 has 65 MA's), (Start: 74 @46917 has 11 MA's), (Start: 79 @46860 has 1 MA's), (Start: 81 @46851 has 2 MA's), (96, 46761), (100, 46728), (110, 46671), (112, 46659), (114, 46635), (117, 46623), (118, 46614), (128, 46554), (137, 46464), (141, 46419), (148, 46359), (163, 46257), (166, 46236), (188, 46104), (197, 46035), (199, 46029), (201, 46002), (203, 45987), (208, 45945), (213, 45897), (216, 45867), (221, 45840), (255, 45714), (257, 45708), (260, 45681), (271, 45639), (272, 45636), (277, 45621), (279, 45615), (292, 45561), (297, 45552), (346, 45324), (355, 45288),

Gene: Psycho_64 Start: 44389, Stop: 46104, Start Num: 66

Candidate Starts for Psycho_64:

(Start: 66 @44389 has 22 MA's), (84, 44482), (88, 44524), (Start: 95 @44560 has 1 MA's), (96, 44563), (99, 44587), (100, 44596), (107, 44635), (110, 44653), (118, 44710), (121, 44737), (122, 44740), (130, 44803), (137, 44863), (140, 44893), (141, 44902), (151, 44977), (152, 44980), (161, 45052), (162, 45061), (163, 45064), (171, 45130), (172, 45133), (173, 45136), (175, 45151), (176, 45166), (179, 45181), (186, 45211), (188, 45223), (201, 45325), (202, 45337), (203, 45340), (204, 45343), (206, 45364), (208, 45382), (213, 45430), (218, 45463), (222, 45490), (254, 45619), (259, 45643), (265, 45688), (266, 45691), (276, 45724), (283, 45748), (294, 45802), (297, 45808), (302, 45832), (333, 45949), (335, 45964), (337, 45991), (341, 46015),

Gene: Puhltonio_52 Start: 46950, Stop: 45247, Start Num: 64

Candidate Starts for Puhltonio_52:

(Start: 64 @46950 has 144 MA's), (Start: 74 @46926 has 11 MA's), (Start: 79 @46869 has 1 MA's), (Start: 81 @46860 has 2 MA's), (96, 46770), (100, 46737), (110, 46680), (112, 46668), (114, 46644), (117, 46632), (118, 46623), (128, 46563), (137, 46473), (141, 46428), (148, 46368), (157, 46314), (163, 46266), (166, 46245), (188, 46113), (197, 46044), (199, 46038), (201, 46011), (203, 45996), (208, 45954), (213, 45906), (216, 45876), (221, 45849), (255, 45723), (257, 45717), (260, 45690), (271, 45648), (272, 45645), (277, 45630), (279, 45624), (292, 45570), (297, 45561), (346, 45333), (355, 45297),

Gene: Puppies_33 Start: 26753, Stop: 25110, Start Num: 69

Candidate Starts for Puppies_33:

(Start: 62 @26765 has 10 MA's), (Start: 69 @26753 has 7 MA's), (76, 26714), (77, 26711), (78, 26705), (87, 26630), (94, 26585), (100, 26546), (109, 26498), (110, 26495), (118, 26438), (125, 26393), (132, 26312), (134, 26309), (137, 26285), (155, 26165), (156, 26147), (159, 26129), (163,

26090), (165, 26078), (167, 26066), (171, 26030), (173, 26024), (175, 26009), (184, 25955), (202, 25823), (204, 25817), (208, 25778), (224, 25658), (245, 25592), (247, 25580), (253, 25556), (277, 25457), (319, 25313), (346, 25175), (360, 25121),

Gene: QueenBeane_52 Start: 46940, Stop: 45237, Start Num: 64

Candidate Starts for QueenBeane_52:

(Start: 64 @46940 has 144 MA's), (Start: 74 @46916 has 11 MA's), (Start: 79 @46859 has 1 MA's), (Start: 81 @46850 has 2 MA's), (96, 46760), (100, 46727), (110, 46670), (112, 46658), (114, 46634), (117, 46622), (118, 46613), (128, 46553), (137, 46463), (141, 46418), (148, 46358), (157, 46304), (163, 46256), (166, 46235), (188, 46103), (197, 46034), (199, 46028), (201, 46001), (203, 45986), (208, 45944), (213, 45896), (216, 45866), (221, 45839), (255, 45713), (257, 45707), (260, 45680), (271, 45638), (272, 45635), (277, 45620), (279, 45614), (292, 45560), (297, 45551), (346, 45323), (355, 45287),

Gene: Quesadilla_55 Start: 49726, Stop: 47888, Start Num: 31

Candidate Starts for Quesadilla_55:

(1, 50506), (2, 50344), (Start: 31 @49726 has 1 MA's), (33, 49723), (Start: 39 @49696 has 104 MA's), (Start: 64 @49603 has 144 MA's), (87, 49471), (Start: 95 @49423 has 1 MA's), (100, 49387), (110, 49330), (114, 49294), (135, 49144), (137, 49123), (138, 49102), (157, 48970), (162, 48925), (163, 48922), (167, 48898), (175, 48841), (186, 48781), (188, 48769), (199, 48694), (201, 48667), (202, 48655), (203, 48652), (208, 48610), (213, 48562), (216, 48532), (226, 48481), (250, 48403), (255, 48382), (265, 48322), (271, 48304), (276, 48289), (277, 48286), (325, 48079), (343, 47980), (346, 47965), (359, 47914),

Gene: Quisquilliae_52 Start: 47070, Stop: 45274, Start Num: 39

Candidate Starts for Quisquilliae_52:

(Start: 39 @47070 has 104 MA's), (Start: 64 @46977 has 144 MA's), (Start: 74 @46953 has 11 MA's), (Start: 79 @46896 has 1 MA's), (Start: 81 @46887 has 2 MA's), (96, 46797), (100, 46764), (110, 46707), (112, 46695), (114, 46671), (117, 46659), (118, 46650), (128, 46590), (137, 46500), (141, 46455), (148, 46395), (163, 46293), (166, 46272), (188, 46140), (197, 46071), (199, 46065), (201, 46038), (203, 46023), (208, 45981), (213, 45933), (216, 45903), (221, 45876), (255, 45750), (257, 45744), (260, 45717), (271, 45675), (272, 45672), (277, 45657), (279, 45651), (292, 45597), (297, 45588), (346, 45360), (355, 45324),

Gene: Qyrzula_48 Start: 46695, Stop: 44980, Start Num: 64

Candidate Starts for Qyrzula_48:

(10, 47124), (12, 47088), (14, 47016), (20, 46950), (Start: 64 @46695 has 144 MA's), (70, 46683), (94, 46512), (Start: 95 @46509 has 1 MA's), (100, 46473), (101, 46461), (103, 46452), (110, 46416), (111, 46413), (114, 46380), (124, 46317), (137, 46209), (141, 46170), (153, 46089), (157, 46056), (159, 46047), (163, 46008), (166, 45987), (167, 45984), (173, 45942), (175, 45927), (176, 45912), (183, 45882), (188, 45855), (192, 45807), (198, 45783), (199, 45780), (201, 45753), (202, 45741), (204, 45735), (208, 45696), (213, 45648), (216, 45618), (217, 45612), (226, 45567), (239, 45492), (243, 45480), (249, 45453), (250, 45450), (254, 45435), (265, 45369), (277, 45336), (301, 45258), (312, 45228), (313, 45225), (316, 45213), (324, 45174), (338, 45096), (339, 45093), (346, 45054), (362, 44988),

Gene: RagingRooster_51 Start: 46842, Stop: 45145, Start Num: 59

Candidate Starts for RagingRooster_51:

(Start: 59 @46842 has 33 MA's), (Start: 95 @46644 has 1 MA's), (100, 46608), (110, 46551), (118, 46494), (124, 46452), (131, 46389), (136, 46362), (137, 46344), (148, 46239), (161, 46149), (163, 46137), (166, 46116), (173, 46071), (183, 46008), (194, 45924), (198, 45909), (199, 45906), (200, 45903), (201, 45879), (204, 45861), (208, 45822), (213, 45774), (216, 45744), (220, 45720), (227, 45678), (253, 45600), (259, 45573), (265, 45531), (268, 45522), (277, 45498), (307, 45411), (319,

45369), (338, 45264), (346, 45222), (349, 45207), (353, 45189),

Gene: RainyPolka_53 Start: 44180, Stop: 46018, Start Num: 68

Candidate Starts for RainyPolka_53:

(Start: 68 @44180 has 10 MA's), (78, 44225), (82, 44261), (84, 44267), (86, 44294), (94, 44354), (96, 44360), (103, 44414), (115, 44489), (121, 44534), (127, 44558), (133, 44621), (137, 44645), (139, 44672), (140, 44684), (143, 44705), (145, 44732), (148, 44753), (150, 44762), (155, 44780), (174, 44930), (175, 44939), (177, 44957), (181, 44975), (185, 44999), (198, 45086), (199, 45089), (202, 45128), (208, 45173), (209, 45176), (219, 45266), (269, 45548), (273, 45566), (275, 45575), (290, 45653), (309, 45722), (314, 45749), (321, 45785), (326, 45800), (342, 45902), (351, 45950), (354, 45959), (359, 45977),

Gene: Rando14_67 Start: 45066, Stop: 46760, Start Num: 66

Candidate Starts for Rando14_67:

(Start: 66 @45066 has 22 MA's), (83, 45156), (84, 45159), (96, 45240), (99, 45264), (100, 45273), (107, 45312), (118, 45387), (121, 45414), (122, 45417), (130, 45480), (137, 45540), (140, 45570), (141, 45579), (148, 45639), (152, 45657), (162, 45738), (163, 45741), (171, 45807), (172, 45810), (173, 45813), (175, 45828), (176, 45843), (186, 45888), (188, 45900), (201, 46002), (202, 46014), (203, 46017), (206, 46041), (208, 46059), (212, 46104), (213, 46107), (214, 46110), (222, 46167), (243, 46251), (254, 46293), (265, 46362), (266, 46365), (276, 46398), (279, 46407), (291, 46467), (294, 46476), (297, 46482), (302, 46506), (312, 46539), (333, 46623), (337, 46665), (338, 46674), (339, 46677), (341, 46689),

Gene: RawrgerThat_48 Start: 47447, Stop: 45738, Start Num: 64

Candidate Starts for RawrgerThat_48:

(Start: 64 @47447 has 144 MA's), (94, 47264), (100, 47225), (103, 47204), (114, 47135), (128, 47054), (135, 46985), (137, 46964), (148, 46865), (153, 46844), (157, 46811), (159, 46802), (162, 46766), (163, 46763), (167, 46739), (184, 46628), (186, 46622), (188, 46610), (197, 46541), (199, 46535), (201, 46508), (202, 46496), (203, 46493), (208, 46451), (213, 46403), (216, 46373), (226, 46322), (250, 46241), (254, 46226), (255, 46220), (256, 46217), (261, 46184), (262, 46178), (264, 46169), (271, 46142), (276, 46127), (277, 46124), (281, 46115), (285, 46097), (289, 46070), (297, 46049), (322, 45938), (346, 45815), (356, 45776), (359, 45764),

Gene: RedMaple_52 Start: 47184, Stop: 45388, Start Num: 39

Candidate Starts for RedMaple_52:

(Start: 39 @47184 has 104 MA's), (Start: 64 @47091 has 144 MA's), (Start: 74 @47067 has 11 MA's), (Start: 79 @47010 has 1 MA's), (Start: 81 @47001 has 2 MA's), (96, 46911), (100, 46878), (110, 46821), (112, 46809), (114, 46785), (117, 46773), (118, 46764), (128, 46704), (137, 46614), (141, 46569), (148, 46509), (157, 46455), (163, 46407), (166, 46386), (188, 46254), (197, 46185), (199, 46179), (201, 46152), (203, 46137), (208, 46095), (213, 46047), (216, 46017), (221, 45990), (255, 45864), (257, 45858), (260, 45831), (272, 45786), (277, 45771), (279, 45765), (292, 45711), (297, 45702), (346, 45474), (355, 45438),

Gene: Reprobate_51 Start: 47968, Stop: 46274, Start Num: 64

Candidate Starts for Reprobate_51:

(Start: 64 @47968 has 144 MA's), (83, 47869), (Start: 95 @47788 has 1 MA's), (100, 47752), (110, 47698), (114, 47662), (124, 47599), (128, 47581), (135, 47512), (137, 47491), (157, 47338), (162, 47293), (163, 47290), (167, 47266), (196, 47074), (197, 47068), (199, 47062), (201, 47035), (202, 47023), (203, 47020), (208, 46978), (209, 46975), (213, 46930), (216, 46900), (221, 46873), (226, 46849), (246, 46783), (247, 46780), (250, 46768), (255, 46747), (256, 46744), (262, 46705), (265, 46687), (271, 46669), (277, 46651), (279, 46645), (284, 46627), (319, 46492), (330, 46450), (343, 46369), (346, 46354), (359, 46303), (363, 46288),

Gene: Rhinoforte_51 Start: 46697, Stop: 44982, Start Num: 64

Candidate Starts for Rhinoforte_51:

(10, 47126), (12, 47090), (14, 47018), (20, 46952), (Start: 64 @46697 has 144 MA's), (70, 46685), (94, 46514), (Start: 95 @46511 has 1 MA's), (100, 46475), (101, 46463), (103, 46454), (110, 46418), (111, 46415), (114, 46382), (124, 46319), (137, 46211), (141, 46172), (153, 46091), (157, 46058), (159, 46049), (163, 46010), (166, 45989), (167, 45986), (173, 45944), (175, 45929), (176, 45914), (183, 45884), (188, 45857), (192, 45809), (198, 45785), (199, 45782), (201, 45755), (202, 45743), (204, 45737), (208, 45698), (213, 45650), (216, 45620), (217, 45614), (226, 45569), (239, 45494), (243, 45482), (249, 45455), (250, 45452), (254, 45437), (265, 45371), (277, 45338), (301, 45260), (312, 45230), (313, 45227), (316, 45215), (324, 45176), (338, 45098), (339, 45095), (346, 45056), (362, 44990),

Gene: Rich_52 Start: 49401, Stop: 47707, Start Num: 64

Candidate Starts for Rich_52:

(Start: 64 @49401 has 144 MA's), (Start: 74 @49374 has 11 MA's), (84, 49299), (100, 49185), (114, 49095), (124, 49032), (128, 49014), (135, 48945), (137, 48924), (153, 48804), (157, 48771), (163, 48723), (166, 48702), (186, 48582), (191, 48546), (196, 48507), (197, 48501), (199, 48495), (200, 48492), (201, 48468), (202, 48456), (203, 48453), (208, 48411), (213, 48363), (216, 48333), (247, 48210), (250, 48198), (255, 48177), (256, 48174), (258, 48162), (262, 48135), (271, 48099), (277, 48081), (330, 47880), (346, 47784),

Gene: Ricotta_52 Start: 46756, Stop: 44960, Start Num: 39

Candidate Starts for Ricotta_52:

(Start: 39 @46756 has 104 MA's), (Start: 64 @46663 has 144 MA's), (Start: 74 @46639 has 11 MA's), (Start: 79 @46582 has 1 MA's), (Start: 81 @46573 has 2 MA's), (96, 46483), (100, 46450), (110, 46393), (112, 46381), (114, 46357), (117, 46345), (118, 46336), (128, 46276), (137, 46186), (141, 46141), (148, 46081), (163, 45979), (166, 45958), (188, 45826), (197, 45757), (199, 45751), (201, 45724), (203, 45709), (208, 45667), (213, 45619), (216, 45589), (221, 45562), (255, 45436), (257, 45430), (260, 45403), (271, 45361), (272, 45358), (277, 45343), (279, 45337), (292, 45283), (297, 45274), (346, 45046), (355, 45010),

Gene: Riggan_52 Start: 46936, Stop: 45233, Start Num: 63

Candidate Starts for Riggan_52:

(Start: 63 @46936 has 65 MA's), (Start: 74 @46912 has 11 MA's), (Start: 79 @46855 has 1 MA's), (Start: 81 @46846 has 2 MA's), (96, 46756), (100, 46723), (110, 46666), (112, 46654), (114, 46630), (117, 46618), (118, 46609), (128, 46549), (137, 46459), (141, 46414), (148, 46354), (157, 46300), (163, 46252), (166, 46231), (188, 46099), (197, 46030), (199, 46024), (201, 45997), (203, 45982), (208, 45940), (213, 45892), (216, 45862), (221, 45835), (255, 45709), (257, 45703), (260, 45676), (272, 45631), (277, 45616), (279, 45610), (292, 45556), (297, 45547), (346, 45319), (355, 45283),

Gene: Rimu_54 Start: 46586, Stop: 44973, Start Num: 81

Candidate Starts for Rimu_54:

(Start: 64 @46676 has 144 MA's), (Start: 74 @46652 has 11 MA's), (Start: 79 @46595 has 1 MA's), (Start: 81 @46586 has 2 MA's), (96, 46496), (100, 46463), (110, 46406), (112, 46394), (114, 46370), (117, 46358), (118, 46349), (128, 46289), (137, 46199), (141, 46154), (148, 46094), (157, 46040), (163, 45992), (166, 45971), (188, 45839), (197, 45770), (199, 45764), (201, 45737), (203, 45722), (208, 45680), (213, 45632), (216, 45602), (221, 45575), (255, 45449), (257, 45443), (260, 45416), (271, 45374), (272, 45371), (277, 45356), (279, 45350), (292, 45296), (297, 45287), (346, 45059), (355, 45023),

Gene: Rita1961_53 Start: 47603, Stop: 45906, Start Num: 59

Candidate Starts for Rita1961_53:

(Start: 59 @47603 has 33 MA's), (Start: 95 @47405 has 1 MA's), (100, 47369), (110, 47312), (118, 47255), (124, 47213), (126, 47207), (131, 47150), (136, 47123), (137, 47105), (148, 47000), (161, 46910), (163, 46898), (166, 46877), (173, 46832), (183, 46769), (194, 46685), (198, 46670), (199, 46667), (200, 46664), (201, 46640), (204, 46622), (208, 46583), (213, 46535), (216, 46505), (220, 46481), (227, 46439), (253, 46361), (259, 46334), (268, 46283), (277, 46259), (292, 46211), (307, 46172), (319, 46130), (338, 46025), (346, 45983), (349, 45968),

Gene: Robyn_51 Start: 46634, Stop: 44829, Start Num: 39

Candidate Starts for Robyn_51:

(Start: 39 @46634 has 104 MA's), (Start: 64 @46532 has 144 MA's), (Start: 74 @46508 has 11 MA's), (Start: 79 @46451 has 1 MA's), (Start: 81 @46442 has 2 MA's), (96, 46352), (100, 46319), (110, 46262), (112, 46250), (114, 46226), (117, 46214), (118, 46205), (128, 46145), (137, 46055), (141, 46010), (148, 45950), (163, 45848), (166, 45827), (188, 45695), (197, 45626), (199, 45620), (201, 45593), (203, 45578), (208, 45536), (213, 45488), (216, 45458), (221, 45431), (255, 45305), (257, 45299), (260, 45272), (271, 45230), (272, 45227), (277, 45212), (279, 45206), (292, 45152), (297, 45143), (346, 44915), (355, 44879),

Gene: Roliet_52 Start: 46949, Stop: 45246, Start Num: 64

Candidate Starts for Roliet_52:

(Start: 39 @47042 has 104 MA's), (Start: 64 @46949 has 144 MA's), (Start: 74 @46925 has 11 MA's), (Start: 79 @46868 has 1 MA's), (Start: 81 @46859 has 2 MA's), (96, 46769), (100, 46736), (110, 46679), (112, 46667), (114, 46643), (117, 46631), (118, 46622), (128, 46562), (137, 46472), (141, 46427), (148, 46367), (157, 46313), (163, 46265), (166, 46244), (188, 46112), (197, 46043), (199, 46037), (201, 46010), (203, 45995), (208, 45953), (213, 45905), (216, 45875), (221, 45848), (255, 45722), (257, 45716), (260, 45689), (272, 45644), (277, 45629), (279, 45623), (292, 45569), (297, 45560), (346, 45332), (355, 45296),

Gene: RomaT_52 Start: 47751, Stop: 46054, Start Num: 59

Candidate Starts for RomaT_52:

(Start: 59 @47751 has 33 MA's), (Start: 95 @47553 has 1 MA's), (100, 47517), (110, 47460), (118, 47403), (124, 47361), (126, 47355), (131, 47298), (136, 47271), (137, 47253), (148, 47148), (161, 47058), (163, 47046), (166, 47025), (173, 46980), (183, 46917), (194, 46833), (198, 46818), (199, 46815), (200, 46812), (201, 46788), (204, 46770), (208, 46731), (213, 46683), (216, 46653), (220, 46629), (227, 46587), (253, 46509), (259, 46482), (268, 46431), (277, 46407), (307, 46320), (319, 46278), (338, 46173), (341, 46158), (346, 46131), (349, 46116),

Gene: Roscoe_53 Start: 47186, Stop: 45483, Start Num: 63

Candidate Starts for Roscoe_53:

(Start: 63 @47186 has 65 MA's), (Start: 74 @47162 has 11 MA's), (Start: 79 @47105 has 1 MA's), (Start: 81 @47096 has 2 MA's), (96, 47006), (100, 46973), (110, 46916), (112, 46904), (114, 46880), (117, 46868), (118, 46859), (128, 46799), (137, 46709), (141, 46664), (148, 46604), (163, 46502), (166, 46481), (188, 46349), (197, 46280), (199, 46274), (201, 46247), (203, 46232), (208, 46190), (213, 46142), (216, 46112), (221, 46085), (255, 45959), (257, 45953), (260, 45926), (271, 45884), (272, 45881), (277, 45866), (279, 45860), (292, 45806), (297, 45797), (346, 45569), (355, 45533),

Gene: Rosebush_50 Start: 46709, Stop: 44994, Start Num: 64

Candidate Starts for Rosebush_50:

(10, 47138), (12, 47102), (14, 47030), (16, 47015), (20, 46964), (Start: 64 @46709 has 144 MA's), (70, 46697), (94, 46526), (Start: 95 @46523 has 1 MA's), (100, 46487), (101, 46475), (103, 46466), (110, 46430), (111, 46427), (114, 46394), (124, 46331), (137, 46223), (141, 46184), (153, 46103), (157, 46070), (159, 46061), (163, 46022), (166, 46001), (167, 45998), (173, 45956), (175, 45941), (176, 45926), (183, 45896), (188, 45869), (192, 45821), (198, 45797), (199, 45794), (201, 45767), (202, 45755), (204, 45749), (208, 45710), (213, 45662), (216, 45632), (217, 45626), (226, 45581), (239,

45506), (243, 45494), (249, 45467), (250, 45464), (254, 45449), (265, 45383), (277, 45350), (301, 45272), (312, 45242), (313, 45239), (316, 45227), (324, 45188), (338, 45110), (346, 45068), (362, 45002),

Gene: Roy17_52 Start: 46640, Stop: 44937, Start Num: 63

Candidate Starts for Roy17_52:

(Start: 63 @46640 has 65 MA's), (Start: 74 @46616 has 11 MA's), (Start: 79 @46559 has 1 MA's), (Start: 81 @46550 has 2 MA's), (96, 46460), (100, 46427), (110, 46370), (112, 46358), (114, 46334), (117, 46322), (118, 46313), (128, 46253), (137, 46163), (141, 46118), (148, 46058), (157, 46004), (163, 45956), (166, 45935), (188, 45803), (197, 45734), (199, 45728), (201, 45701), (203, 45686), (208, 45644), (213, 45596), (216, 45566), (221, 45539), (255, 45413), (257, 45407), (260, 45380), (272, 45335), (277, 45320), (279, 45314), (292, 45260), (297, 45251), (346, 45023), (355, 44987),

Gene: SDcharge11_53 Start: 46928, Stop: 45225, Start Num: 63

Candidate Starts for SDcharge11_53:

(Start: 63 @46928 has 65 MA's), (Start: 74 @46904 has 11 MA's), (Start: 79 @46847 has 1 MA's), (Start: 81 @46838 has 2 MA's), (96, 46748), (100, 46715), (110, 46658), (112, 46646), (114, 46622), (117, 46610), (118, 46601), (128, 46541), (137, 46451), (141, 46406), (148, 46346), (163, 46244), (166, 46223), (188, 46091), (197, 46022), (199, 46016), (201, 45989), (203, 45974), (208, 45932), (213, 45884), (216, 45854), (221, 45827), (255, 45701), (257, 45695), (260, 45668), (272, 45623), (277, 45608), (279, 45602), (292, 45548), (297, 45539), (346, 45311), (355, 45275),

Gene: Sabella_50 Start: 46560, Stop: 44848, Start Num: 64

Candidate Starts for Sabella_50:

(10, 46989), (12, 46953), (14, 46881), (20, 46815), (Start: 64 @46560 has 144 MA's), (70, 46548), (94, 46377), (Start: 95 @46374 has 1 MA's), (100, 46338), (101, 46326), (103, 46317), (110, 46281), (111, 46278), (114, 46245), (124, 46182), (137, 46074), (141, 46035), (153, 45954), (157, 45921), (159, 45912), (163, 45873), (166, 45852), (167, 45849), (173, 45807), (175, 45792), (176, 45777), (183, 45747), (188, 45720), (191, 45696), (192, 45672), (198, 45648), (199, 45645), (201, 45618), (202, 45606), (204, 45600), (208, 45561), (213, 45513), (216, 45483), (217, 45477), (226, 45432), (239, 45357), (243, 45345), (249, 45321), (250, 45318), (254, 45303), (265, 45237), (277, 45204), (301, 45126), (312, 45096), (313, 45093), (316, 45081), (324, 45042), (338, 44964), (339, 44961), (346, 44922), (362, 44856),

Gene: Saguaro_54 Start: 49074, Stop: 47392, Start Num: 64

Candidate Starts for Saguaro_54:

(22, 49290), (45, 49146), (Start: 64 @49074 has 144 MA's), (84, 48972), (94, 48897), (100, 48858), (110, 48804), (114, 48768), (124, 48705), (135, 48618), (137, 48597), (138, 48576), (148, 48498), (153, 48477), (157, 48444), (162, 48399), (163, 48396), (166, 48375), (175, 48315), (199, 48168), (201, 48141), (202, 48129), (203, 48126), (208, 48084), (213, 48036), (216, 48006), (222, 47970), (250, 47883), (254, 47868), (255, 47862), (256, 47859), (265, 47802), (271, 47784), (277, 47766), (279, 47760), (284, 47742), (292, 47706), (316, 47622), (322, 47589), (325, 47580), (343, 47481), (346, 47466), (359, 47415), (360, 47412),

Gene: Salete_54 Start: 44647, Stop: 46485, Start Num: 68

Candidate Starts for Salete_54:

(Start: 68 @44647 has 10 MA's), (78, 44692), (82, 44728), (84, 44734), (86, 44761), (94, 44821), (103, 44881), (114, 44953), (115, 44956), (117, 44965), (121, 45001), (127, 45025), (130, 45067), (133, 45088), (137, 45112), (139, 45139), (143, 45172), (145, 45199), (155, 45247), (158, 45277), (174, 45397), (175, 45406), (177, 45424), (181, 45442), (198, 45553), (199, 45556), (202, 45595), (208, 45640), (209, 45643), (219, 45733), (269, 46015), (275, 46042), (314, 46216), (321, 46252), (326, 46267), (342, 46369), (351, 46417), (354, 46426),

Gene: Samaymay_52 Start: 46940, Stop: 45237, Start Num: 64

Candidate Starts for Samaymay_52:

(Start: 64 @46940 has 144 MA's), (Start: 74 @46916 has 11 MA's), (Start: 79 @46859 has 1 MA's), (Start: 81 @46850 has 2 MA's), (96, 46760), (100, 46727), (110, 46670), (112, 46658), (114, 46634), (117, 46622), (118, 46613), (128, 46553), (137, 46463), (141, 46418), (148, 46358), (157, 46304), (163, 46256), (166, 46235), (188, 46103), (197, 46034), (199, 46028), (201, 46001), (203, 45986), (208, 45944), (213, 45896), (216, 45866), (221, 45839), (255, 45713), (257, 45707), (260, 45680), (271, 45638), (272, 45635), (277, 45620), (279, 45614), (292, 45560), (297, 45551), (346, 45323), (355, 45287),

Gene: SassyCat97_51 Start: 46667, Stop: 44964, Start Num: 64

Candidate Starts for SassyCat97_51:

(Start: 64 @46667 has 144 MA's), (Start: 74 @46643 has 11 MA's), (Start: 79 @46586 has 1 MA's), (Start: 81 @46577 has 2 MA's), (96, 46487), (100, 46454), (110, 46397), (112, 46385), (114, 46361), (117, 46349), (118, 46340), (128, 46280), (137, 46190), (141, 46145), (148, 46085), (157, 46031), (163, 45983), (166, 45962), (188, 45830), (197, 45761), (199, 45755), (201, 45728), (203, 45713), (208, 45671), (213, 45623), (216, 45593), (221, 45566), (255, 45440), (257, 45434), (260, 45407), (271, 45365), (272, 45362), (277, 45347), (279, 45341), (292, 45287), (297, 45278), (346, 45050), (355, 45014),

Gene: Schadenfreude_52 Start: 46733, Stop: 45030, Start Num: 63

Candidate Starts for Schadenfreude_52:

(Start: 63 @46733 has 65 MA's), (Start: 74 @46709 has 11 MA's), (Start: 79 @46652 has 1 MA's), (Start: 81 @46643 has 2 MA's), (96, 46553), (100, 46520), (110, 46463), (112, 46451), (114, 46427), (117, 46415), (118, 46406), (128, 46346), (137, 46256), (141, 46211), (148, 46151), (163, 46049), (166, 46028), (188, 45896), (197, 45827), (199, 45821), (201, 45794), (203, 45779), (208, 45737), (213, 45689), (216, 45659), (221, 45632), (255, 45506), (257, 45500), (260, 45473), (272, 45428), (277, 45413), (279, 45407), (292, 45353), (297, 45344), (346, 45116), (355, 45080),

Gene: Schueller_52 Start: 46572, Stop: 44959, Start Num: 81

Candidate Starts for Schueller_52:

(57, 46662), (Start: 74 @46638 has 11 MA's), (Start: 79 @46581 has 1 MA's), (Start: 81 @46572 has 2 MA's), (96, 46482), (100, 46449), (110, 46392), (112, 46380), (114, 46356), (117, 46344), (118, 46335), (128, 46275), (137, 46185), (141, 46140), (148, 46080), (157, 46026), (163, 45978), (166, 45957), (188, 45825), (197, 45756), (199, 45750), (201, 45723), (203, 45708), (208, 45666), (213, 45618), (216, 45588), (221, 45561), (255, 45435), (257, 45429), (260, 45402), (272, 45357), (277, 45342), (279, 45336), (292, 45282), (297, 45273), (346, 45045), (355, 45009),

Gene: Scoot17C_53 Start: 47176, Stop: 45380, Start Num: 39

Candidate Starts for Scoot17C_53:

(Start: 39 @47176 has 104 MA's), (Start: 64 @47083 has 144 MA's), (Start: 74 @47059 has 11 MA's), (Start: 79 @47002 has 1 MA's), (Start: 81 @46993 has 2 MA's), (96, 46903), (100, 46870), (110, 46813), (112, 46801), (114, 46777), (117, 46765), (118, 46756), (128, 46696), (137, 46606), (141, 46561), (148, 46501), (163, 46399), (166, 46378), (188, 46246), (197, 46177), (199, 46171), (201, 46144), (203, 46129), (208, 46087), (213, 46039), (216, 46009), (221, 45982), (255, 45856), (257, 45850), (260, 45823), (271, 45781), (272, 45778), (277, 45763), (279, 45757), (292, 45703), (297, 45694), (346, 45466), (355, 45430),

Gene: Scrick_52 Start: 46676, Stop: 44973, Start Num: 64

Candidate Starts for Scrick_52:

(Start: 39 @46769 has 104 MA's), (Start: 64 @46676 has 144 MA's), (Start: 74 @46652 has 11 MA's), (Start: 79 @46595 has 1 MA's), (Start: 81 @46586 has 2 MA's), (96, 46496), (100, 46463), (110, 46406), (112, 46394), (114, 46370), (117, 46358), (118, 46349), (128, 46289), (137, 46199), (141,

46154), (148, 46094), (163, 45992), (166, 45971), (188, 45839), (197, 45770), (199, 45764), (201, 45737), (203, 45722), (208, 45680), (213, 45632), (216, 45602), (221, 45575), (255, 45449), (257, 45443), (260, 45416), (271, 45374), (272, 45371), (277, 45356), (279, 45350), (292, 45296), (297, 45287), (346, 45059), (355, 45023),

Gene: Selr12_54 Start: 46772, Stop: 44976, Start Num: 39

Candidate Starts for Selr12_54:

(Start: 39 @46772 has 104 MA's), (Start: 64 @46679 has 144 MA's), (Start: 74 @46655 has 11 MA's), (Start: 79 @46598 has 1 MA's), (Start: 81 @46589 has 2 MA's), (96, 46499), (100, 46466), (110, 46409), (112, 46397), (114, 46373), (117, 46361), (118, 46352), (128, 46292), (137, 46202), (141, 46157), (148, 46097), (163, 45995), (166, 45974), (188, 45842), (197, 45773), (199, 45767), (201, 45740), (203, 45725), (208, 45683), (213, 45635), (216, 45605), (221, 45578), (255, 45452), (257, 45446), (260, 45419), (271, 45377), (272, 45374), (277, 45359), (279, 45353), (292, 45299), (297, 45290), (346, 45062), (355, 45026),

Gene: Serendipitous_51 Start: 47665, Stop: 45971, Start Num: 64

Candidate Starts for Serendipitous_51:

(Start: 64 @47665 has 144 MA's), (100, 47449), (114, 47359), (124, 47296), (128, 47278), (131, 47233), (135, 47209), (137, 47188), (157, 47035), (163, 46987), (186, 46846), (191, 46810), (196, 46771), (197, 46765), (199, 46759), (201, 46732), (202, 46720), (203, 46717), (208, 46675), (213, 46627), (216, 46597), (247, 46474), (250, 46462), (255, 46441), (256, 46438), (270, 46366), (271, 46363), (277, 46345), (305, 46246), (317, 46198), (330, 46144), (346, 46048), (360, 45994),

Gene: Serendipity_52 Start: 46964, Stop: 45261, Start Num: 64

Candidate Starts for Serendipity_52:

(Start: 64 @46964 has 144 MA's), (Start: 74 @46940 has 11 MA's), (Start: 79 @46883 has 1 MA's), (Start: 81 @46874 has 2 MA's), (96, 46784), (100, 46751), (110, 46694), (112, 46682), (114, 46658), (117, 46646), (118, 46637), (128, 46577), (137, 46487), (141, 46442), (148, 46382), (157, 46328), (163, 46280), (166, 46259), (188, 46127), (197, 46058), (199, 46052), (201, 46025), (203, 46010), (208, 45968), (213, 45920), (216, 45890), (221, 45863), (255, 45737), (257, 45731), (260, 45704), (271, 45662), (272, 45659), (277, 45644), (279, 45638), (292, 45584), (297, 45575), (346, 45347), (355, 45311),

Gene: Serpentine_0052 Start: 47056, Stop: 45260, Start Num: 39

Candidate Starts for Serpentine_0052:

(Start: 39 @47056 has 104 MA's), (Start: 64 @46963 has 144 MA's), (Start: 74 @46939 has 11 MA's), (Start: 79 @46882 has 1 MA's), (Start: 81 @46873 has 2 MA's), (96, 46783), (100, 46750), (110, 46693), (112, 46681), (114, 46657), (117, 46645), (118, 46636), (128, 46576), (137, 46486), (141, 46441), (148, 46381), (157, 46327), (163, 46279), (166, 46258), (188, 46126), (197, 46057), (199, 46051), (201, 46024), (203, 46009), (208, 45967), (213, 45919), (216, 45889), (221, 45862), (255, 45736), (257, 45730), (260, 45703), (272, 45658), (277, 45643), (279, 45637), (292, 45583), (297, 45574), (346, 45346), (355, 45310),

Gene: Shatter_46 Start: 40113, Stop: 38449, Start Num: 62

Candidate Starts for Shatter_46:

(37, 40215), (Start: 61 @40116 has 1 MA's), (Start: 62 @40113 has 10 MA's), (93, 39939), (94, 39933), (96, 39927), (100, 39894), (101, 39882), (110, 39837), (135, 39651), (137, 39630), (148, 39531), (153, 39510), (157, 39477), (163, 39429), (171, 39369), (196, 39213), (198, 39204), (201, 39174), (203, 39159), (208, 39117), (213, 39069), (216, 39039), (218, 39030), (277, 38796), (288, 38757), (293, 38748), (316, 38685), (340, 38562), (346, 38526), (364, 38460),

Gene: Sheila_52 Start: 46989, Stop: 45286, Start Num: 63

Candidate Starts for Sheila_52:

(Start: 63 @46989 has 65 MA's), (Start: 74 @46965 has 11 MA's), (Start: 79 @46908 has 1 MA's), (Start: 81 @46899 has 2 MA's), (96, 46809), (100, 46776), (110, 46719), (112, 46707), (114, 46683), (117, 46671), (118, 46662), (128, 46602), (137, 46512), (141, 46467), (148, 46407), (163, 46305), (166, 46284), (188, 46152), (197, 46083), (199, 46077), (201, 46050), (203, 46035), (208, 45993), (213, 45945), (216, 45915), (221, 45888), (255, 45762), (257, 45756), (260, 45729), (272, 45684), (277, 45669), (279, 45663), (292, 45609), (297, 45600), (346, 45372), (355, 45336),

Gene: ShiVal_52 Start: 46947, Stop: 45244, Start Num: 63

Candidate Starts for ShiVal_52:

(Start: 63 @46947 has 65 MA's), (Start: 74 @46923 has 11 MA's), (Start: 79 @46866 has 1 MA's), (Start: 81 @46857 has 2 MA's), (96, 46767), (100, 46734), (110, 46677), (112, 46665), (114, 46641), (117, 46629), (118, 46620), (128, 46560), (137, 46470), (141, 46425), (148, 46365), (163, 46263), (166, 46242), (188, 46110), (197, 46041), (199, 46035), (201, 46008), (203, 45993), (208, 45951), (213, 45903), (216, 45873), (221, 45846), (255, 45720), (257, 45714), (260, 45687), (271, 45645), (272, 45642), (277, 45627), (279, 45621), (292, 45567), (297, 45558), (346, 45330), (355, 45294),

Gene: Sigman_53 Start: 47167, Stop: 45371, Start Num: 39

Candidate Starts for Sigman_53:

(Start: 39 @47167 has 104 MA's), (Start: 64 @47074 has 144 MA's), (Start: 74 @47050 has 11 MA's), (Start: 79 @46993 has 1 MA's), (Start: 81 @46984 has 2 MA's), (96, 46894), (100, 46861), (110, 46804), (112, 46792), (114, 46768), (117, 46756), (118, 46747), (128, 46687), (137, 46597), (141, 46552), (148, 46492), (157, 46438), (163, 46390), (166, 46369), (188, 46237), (197, 46168), (199, 46162), (201, 46135), (203, 46120), (208, 46078), (213, 46030), (216, 46000), (221, 45973), (255, 45847), (257, 45841), (260, 45814), (271, 45772), (272, 45769), (277, 45754), (279, 45748), (292, 45694), (297, 45685), (346, 45457), (355, 45421),

Gene: Simielle_51 Start: 46726, Stop: 44930, Start Num: 39

Candidate Starts for Simielle_51:

(Start: 39 @46726 has 104 MA's), (Start: 64 @46633 has 144 MA's), (Start: 74 @46609 has 11 MA's), (Start: 79 @46552 has 1 MA's), (Start: 81 @46543 has 2 MA's), (96, 46453), (100, 46420), (110, 46363), (112, 46351), (114, 46327), (117, 46315), (118, 46306), (128, 46246), (137, 46156), (141, 46111), (148, 46051), (157, 45997), (163, 45949), (166, 45928), (188, 45796), (197, 45727), (199, 45721), (201, 45694), (203, 45679), (208, 45637), (213, 45589), (216, 45559), (221, 45532), (255, 45406), (257, 45400), (260, 45373), (272, 45328), (277, 45313), (279, 45307), (292, 45253), (297, 45244), (346, 45016), (355, 44980),

Gene: SirJeffery_51 Start: 47836, Stop: 46142, Start Num: 64

Candidate Starts for SirJeffery_51:

(Start: 47 @47914 has 1 MA's), (Start: 64 @47836 has 144 MA's), (Start: 74 @47809 has 11 MA's), (84, 47734), (100, 47620), (114, 47530), (124, 47467), (128, 47449), (135, 47380), (137, 47359), (153, 47239), (163, 47158), (166, 47137), (186, 47017), (191, 46981), (196, 46942), (197, 46936), (199, 46930), (200, 46927), (201, 46903), (202, 46891), (203, 46888), (208, 46846), (213, 46798), (216, 46768), (247, 46645), (250, 46633), (255, 46612), (256, 46609), (262, 46570), (271, 46534), (277, 46516), (330, 46315), (346, 46219),

Gene: Sisko_45 Start: 40413, Stop: 38752, Start Num: 62

Candidate Starts for Sisko_45:

(Start: 62 @40413 has 10 MA's), (78, 40347), (84, 40305), (Start: 95 @40227 has 1 MA's), (96, 40224), (100, 40191), (110, 40134), (135, 39948), (137, 39927), (153, 39807), (163, 39726), (166, 39705), (170, 39687), (171, 39666), (173, 39660), (189, 39567), (198, 39501), (199, 39498), (201, 39471), (203, 39456), (208, 39414), (216, 39336), (225, 39288), (288, 39054), (293, 39045), (315, 38985), (316, 38982), (324, 38943), (340, 38859), (346, 38823),

Gene: Skippy_52 Start: 46934, Stop: 45231, Start Num: 64

Candidate Starts for Skippy_52:

(Start: 39 @47027 has 104 MA's), (Start: 64 @46934 has 144 MA's), (Start: 74 @46910 has 11 MA's), (Start: 79 @46853 has 1 MA's), (Start: 81 @46844 has 2 MA's), (96, 46754), (100, 46721), (110, 46664), (112, 46652), (114, 46628), (117, 46616), (118, 46607), (128, 46547), (137, 46457), (141, 46412), (148, 46352), (157, 46298), (163, 46250), (166, 46229), (188, 46097), (197, 46028), (199, 46022), (201, 45995), (203, 45980), (208, 45938), (213, 45890), (216, 45860), (221, 45833), (255, 45707), (257, 45701), (260, 45674), (272, 45629), (277, 45614), (279, 45608), (292, 45554), (297, 45545), (346, 45317), (355, 45281),

Gene: Slatt_52 Start: 46960, Stop: 45257, Start Num: 64

Candidate Starts for Slatt_52:

(Start: 39 @47053 has 104 MA's), (Start: 64 @46960 has 144 MA's), (Start: 74 @46936 has 11 MA's), (Start: 79 @46879 has 1 MA's), (Start: 81 @46870 has 2 MA's), (96, 46780), (100, 46747), (110, 46690), (112, 46678), (114, 46654), (117, 46642), (118, 46633), (128, 46573), (137, 46483), (141, 46438), (148, 46378), (157, 46324), (163, 46276), (166, 46255), (188, 46123), (197, 46054), (199, 46048), (201, 46021), (203, 46006), (208, 45964), (213, 45916), (216, 45886), (221, 45859), (255, 45733), (257, 45727), (260, 45700), (272, 45655), (277, 45640), (279, 45634), (292, 45580), (297, 45571), (346, 45343), (355, 45307),

Gene: SlippinJimmy_54 Start: 48385, Stop: 46688, Start Num: 59

Candidate Starts for SlippinJimmy_54:

(Start: 59 @48385 has 33 MA's), (Start: 95 @48187 has 1 MA's), (100, 48151), (110, 48094), (118, 48037), (124, 47995), (131, 47932), (136, 47905), (137, 47887), (148, 47782), (161, 47692), (163, 47680), (166, 47659), (173, 47614), (183, 47551), (194, 47467), (198, 47452), (199, 47449), (200, 47446), (201, 47422), (204, 47404), (208, 47365), (213, 47317), (216, 47287), (220, 47263), (227, 47221), (253, 47143), (259, 47116), (268, 47065), (277, 47041), (292, 46993), (307, 46954), (319, 46912), (338, 46807), (346, 46765), (349, 46750),

Gene: SoSeph_65 Start: 46099, Stop: 47808, Start Num: 66

Candidate Starts for SoSeph_65:

(Start: 66 @46099 has 22 MA's), (84, 46192), (Start: 95 @46270 has 1 MA's), (96, 46273), (99, 46297), (100, 46306), (107, 46345), (110, 46363), (118, 46420), (121, 46447), (122, 46450), (130, 46513), (137, 46573), (140, 46603), (141, 46612), (151, 46687), (152, 46690), (158, 46732), (159, 46735), (162, 46771), (163, 46774), (171, 46840), (172, 46843), (173, 46846), (175, 46861), (176, 46876), (179, 46891), (186, 46921), (188, 46933), (201, 47035), (202, 47047), (203, 47050), (204, 47053), (206, 47074), (208, 47092), (212, 47137), (213, 47140), (219, 47179), (222, 47200), (254, 47329), (265, 47398), (266, 47401), (276, 47434), (277, 47437), (278, 47440), (291, 47503), (294, 47512), (297, 47518), (302, 47542), (312, 47575), (327, 47638), (333, 47659), (335, 47674), (337, 47701), (338, 47710), (341, 47725),

Gene: Soile_52 Start: 46663, Stop: 44960, Start Num: 64

Candidate Starts for Soile_52:

(Start: 39 @46756 has 104 MA's), (Start: 64 @46663 has 144 MA's), (Start: 74 @46639 has 11 MA's), (Start: 79 @46582 has 1 MA's), (Start: 81 @46573 has 2 MA's), (96, 46483), (100, 46450), (110, 46393), (112, 46381), (114, 46357), (117, 46345), (118, 46336), (128, 46276), (137, 46186), (141, 46141), (148, 46081), (157, 46027), (163, 45979), (166, 45958), (188, 45826), (197, 45757), (199, 45751), (201, 45724), (203, 45709), (208, 45667), (213, 45619), (216, 45589), (221, 45562), (255, 45436), (257, 45430), (260, 45403), (272, 45358), (277, 45343), (279, 45337), (292, 45283), (297, 45274), (346, 45046), (355, 45010),

Gene: Solosis_51 Start: 46661, Stop: 44958, Start Num: 64

Candidate Starts for Solosis_51:

(Start: 64 @46661 has 144 MA's), (Start: 74 @46637 has 11 MA's), (Start: 79 @46580 has 1 MA's), (Start: 81 @46571 has 2 MA's), (96, 46481), (100, 46448), (110, 46391), (112, 46379), (114, 46355), (117, 46343), (118, 46334), (128, 46274), (137, 46184), (141, 46139), (148, 46079), (157, 46025), (163, 45977), (166, 45956), (188, 45824), (197, 45755), (199, 45749), (201, 45722), (203, 45707), (208, 45665), (213, 45617), (216, 45587), (221, 45560), (255, 45434), (257, 45428), (260, 45401), (271, 45359), (272, 45356), (277, 45341), (279, 45335), (292, 45281), (297, 45272), (346, 45044), (355, 45008),

Gene: Sophia_51 Start: 46655, Stop: 44952, Start Num: 64

Candidate Starts for Sophia_51:

(Start: 64 @46655 has 144 MA's), (Start: 74 @46631 has 11 MA's), (Start: 79 @46574 has 1 MA's), (Start: 81 @46565 has 2 MA's), (96, 46475), (100, 46442), (110, 46385), (112, 46373), (114, 46349), (117, 46337), (118, 46328), (128, 46268), (137, 46178), (141, 46133), (148, 46073), (157, 46019), (163, 45971), (166, 45950), (188, 45818), (197, 45749), (199, 45743), (201, 45716), (203, 45701), (208, 45659), (213, 45611), (216, 45581), (221, 45554), (255, 45428), (257, 45422), (260, 45395), (271, 45353), (272, 45350), (277, 45335), (279, 45329), (292, 45275), (297, 45266), (346, 45038), (355, 45002),

Gene: Soto_52 Start: 46961, Stop: 45258, Start Num: 63

Candidate Starts for Soto_52:

(Start: 63 @46961 has 65 MA's), (Start: 74 @46937 has 11 MA's), (Start: 79 @46880 has 1 MA's), (Start: 81 @46871 has 2 MA's), (96, 46781), (100, 46748), (110, 46691), (112, 46679), (114, 46655), (117, 46643), (118, 46634), (128, 46574), (137, 46484), (141, 46439), (148, 46379), (163, 46277), (166, 46256), (188, 46124), (197, 46055), (199, 46049), (201, 46022), (203, 46007), (208, 45965), (213, 45917), (216, 45887), (221, 45860), (255, 45734), (257, 45728), (260, 45701), (272, 45656), (277, 45641), (279, 45635), (292, 45581), (297, 45572), (346, 45344), (355, 45308),

Gene: Sour_50 Start: 44257, Stop: 42593, Start Num: 62

Candidate Starts for Sour_50:

(50, 44320), (Start: 62 @44257 has 10 MA's), (83, 44152), (84, 44149), (88, 44107), (94, 44074), (96, 44068), (100, 44035), (101, 44023), (128, 43861), (135, 43792), (137, 43771), (141, 43732), (153, 43651), (162, 43573), (163, 43570), (171, 43510), (173, 43504), (180, 43456), (189, 43411), (198, 43345), (199, 43342), (201, 43315), (202, 43303), (208, 43258), (213, 43210), (215, 43183), (216, 43180), (226, 43129), (276, 42937), (293, 42886), (315, 42826), (316, 42823), (324, 42784), (340, 42700), (346, 42664),

Gene: Spartan300_52 Start: 46946, Stop: 45243, Start Num: 63

Candidate Starts for Spartan300_52:

(Start: 63 @46946 has 65 MA's), (Start: 74 @46922 has 11 MA's), (Start: 79 @46865 has 1 MA's), (Start: 81 @46856 has 2 MA's), (96, 46766), (100, 46733), (110, 46676), (112, 46664), (114, 46640), (117, 46628), (118, 46619), (128, 46559), (137, 46469), (141, 46424), (148, 46364), (163, 46262), (166, 46241), (188, 46109), (197, 46040), (199, 46034), (201, 46007), (203, 45992), (208, 45950), (213, 45902), (216, 45872), (221, 45845), (255, 45719), (257, 45713), (260, 45686), (271, 45644), (272, 45641), (277, 45626), (279, 45620), (292, 45566), (297, 45557), (346, 45329), (355, 45293),

Gene: Squid_52 Start: 46667, Stop: 44964, Start Num: 64

Candidate Starts for Squid_52:

(Start: 64 @46667 has 144 MA's), (Start: 74 @46643 has 11 MA's), (Start: 79 @46586 has 1 MA's), (Start: 81 @46577 has 2 MA's), (96, 46487), (100, 46454), (110, 46397), (112, 46385), (114, 46361), (117, 46349), (118, 46340), (128, 46280), (137, 46190), (141, 46145), (148, 46085), (157, 46031), (163, 45983), (166, 45962), (188, 45830), (197, 45761), (199, 45755), (201, 45728), (203, 45713), (208, 45671), (213, 45623), (216, 45593), (221, 45566), (255, 45440), (257, 45434), (260, 45407), (271, 45365), (272, 45362), (277, 45347), (279, 45341), (292, 45287), (297, 45278), (346, 45050),

(355, 45014),

Gene: Squiggle_52 Start: 46763, Stop: 44967, Start Num: 39

Candidate Starts for Squiggle_52:

(Start: 39 @46763 has 104 MA's), (Start: 64 @46670 has 144 MA's), (Start: 74 @46646 has 11 MA's), (Start: 79 @46589 has 1 MA's), (Start: 81 @46580 has 2 MA's), (96, 46490), (100, 46457), (110, 46400), (112, 46388), (114, 46364), (117, 46352), (118, 46343), (128, 46283), (137, 46193), (141, 46148), (148, 46088), (157, 46034), (163, 45986), (166, 45965), (188, 45833), (197, 45764), (199, 45758), (201, 45731), (203, 45716), (208, 45674), (213, 45626), (216, 45596), (221, 45569), (255, 45443), (257, 45437), (260, 45410), (272, 45365), (277, 45350), (279, 45344), (292, 45290), (297, 45281), (346, 45053), (355, 45017),

Gene: StAugustine_72 Start: 56677, Stop: 54917, Start Num: 60

Candidate Starts for StAugustine_72:

(60, 56677), (83, 56563), (87, 56530), (89, 56512), (94, 56485), (96, 56479), (100, 56446), (101, 56434), (118, 56332), (124, 56290), (135, 56203), (137, 56182), (141, 56143), (155, 56056), (161, 55993), (162, 55984), (163, 55981), (166, 55960), (183, 55855), (184, 55846), (188, 55828), (195, 55768), (197, 55759), (198, 55756), (199, 55753), (201, 55726), (203, 55711), (208, 55669), (216, 55591), (255, 55441), (259, 55423), (260, 55402), (268, 55366), (276, 55345), (277, 55342), (292, 55291), (305, 55252), (319, 55183), (346, 55042), (359, 54991), (366, 54958),

Gene: Stinger_46 Start: 45974, Stop: 44259, Start Num: 64

Candidate Starts for Stinger_46:

(Start: 64 @45974 has 144 MA's), (94, 45791), (97, 45782), (100, 45752), (103, 45731), (110, 45695), (114, 45659), (116, 45650), (124, 45596), (135, 45509), (137, 45488), (138, 45467), (148, 45389), (153, 45368), (157, 45335), (159, 45326), (162, 45290), (163, 45287), (167, 45263), (197, 45065), (199, 45059), (201, 45032), (202, 45020), (203, 45017), (208, 44975), (213, 44927), (216, 44897), (226, 44846), (248, 44771), (249, 44765), (255, 44741), (256, 44738), (261, 44705), (262, 44699), (271, 44663), (276, 44648), (277, 44645), (281, 44636), (285, 44618), (289, 44591), (297, 44570), (322, 44459), (343, 44351), (346, 44336),

Gene: StinkyVeggy_52 Start: 47981, Stop: 46287, Start Num: 64

Candidate Starts for StinkyVeggy_52:

(Start: 64 @47981 has 144 MA's), (Start: 74 @47954 has 11 MA's), (83, 47882), (100, 47765), (114, 47675), (117, 47663), (124, 47612), (128, 47594), (135, 47525), (137, 47504), (147, 47408), (153, 47384), (157, 47351), (163, 47303), (166, 47282), (186, 47162), (191, 47126), (196, 47087), (197, 47081), (199, 47075), (201, 47048), (202, 47036), (203, 47033), (208, 46991), (213, 46943), (216, 46913), (247, 46790), (255, 46757), (256, 46754), (261, 46721), (262, 46715), (265, 46697), (271, 46679), (277, 46661), (330, 46460), (346, 46364),

Gene: Struggle_51 Start: 46475, Stop: 44796, Start Num: 74

Candidate Starts for Struggle_51:

(Start: 39 @46592 has 104 MA's), (Start: 64 @46499 has 144 MA's), (Start: 74 @46475 has 11 MA's), (Start: 79 @46418 has 1 MA's), (Start: 81 @46409 has 2 MA's), (96, 46319), (100, 46286), (110, 46229), (112, 46217), (114, 46193), (117, 46181), (118, 46172), (128, 46112), (137, 46022), (141, 45977), (148, 45917), (157, 45863), (163, 45815), (166, 45794), (188, 45662), (197, 45593), (199, 45587), (201, 45560), (203, 45545), (208, 45503), (213, 45455), (216, 45425), (221, 45398), (255, 45272), (257, 45266), (260, 45239), (272, 45194), (277, 45179), (279, 45173), (292, 45119), (297, 45110), (346, 44882), (355, 44846),

Gene: Suffolk_52 Start: 46951, Stop: 45248, Start Num: 63

Candidate Starts for Suffolk_52:

(Start: 63 @46951 has 65 MA's), (Start: 74 @46927 has 11 MA's), (Start: 79 @46870 has 1 MA's), (Start: 81 @46861 has 2 MA's), (96, 46771), (100, 46738), (110, 46681), (112, 46669), (114, 46645), (117, 46633), (118, 46624), (128, 46564), (137, 46474), (141, 46429), (148, 46369), (163, 46267), (166, 46246), (188, 46114), (197, 46045), (199, 46039), (201, 46012), (203, 45997), (208, 45955), (213, 45907), (216, 45877), (221, 45850), (255, 45724), (257, 45718), (260, 45691), (272, 45646), (277, 45631), (279, 45625), (292, 45571), (297, 45562), (346, 45334), (355, 45298),

Gene: Suigeneris_53 Start: 48194, Stop: 46422, Start Num: 47

Candidate Starts for Suigeneris_53:

(Start: 47 @48194 has 1 MA's), (Start: 64 @48116 has 144 MA's), (Start: 74 @48089 has 11 MA's), (84, 48014), (100, 47900), (114, 47810), (124, 47747), (128, 47729), (135, 47660), (137, 47639), (148, 47540), (163, 47438), (166, 47417), (186, 47297), (191, 47261), (197, 47216), (199, 47210), (200, 47207), (201, 47183), (202, 47171), (203, 47168), (208, 47126), (213, 47078), (216, 47048), (247, 46925), (255, 46892), (256, 46889), (262, 46850), (271, 46814), (277, 46796), (330, 46595), (346, 46499),

Gene: Surely_52 Start: 46957, Stop: 45254, Start Num: 63

Candidate Starts for Surely_52:

(Start: 63 @46957 has 65 MA's), (Start: 74 @46933 has 11 MA's), (Start: 79 @46876 has 1 MA's), (Start: 81 @46867 has 2 MA's), (96, 46777), (100, 46744), (110, 46687), (112, 46675), (114, 46651), (117, 46639), (118, 46630), (128, 46570), (137, 46480), (141, 46435), (148, 46375), (157, 46321), (163, 46273), (166, 46252), (188, 46120), (197, 46051), (199, 46045), (201, 46018), (203, 46003), (208, 45961), (213, 45913), (216, 45883), (221, 45856), (255, 45730), (257, 45724), (260, 45697), (272, 45652), (277, 45637), (279, 45631), (292, 45577), (297, 45568), (346, 45340), (355, 45304),

Gene: Swiphy_54 Start: 47045, Stop: 45249, Start Num: 39

Candidate Starts for Swiphy_54:

(Start: 39 @47045 has 104 MA's), (Start: 64 @46952 has 144 MA's), (Start: 74 @46928 has 11 MA's), (Start: 79 @46871 has 1 MA's), (Start: 81 @46862 has 2 MA's), (96, 46772), (100, 46739), (110, 46682), (112, 46670), (114, 46646), (117, 46634), (118, 46625), (128, 46565), (137, 46475), (141, 46430), (148, 46370), (163, 46268), (166, 46247), (188, 46115), (197, 46046), (199, 46040), (201, 46013), (203, 45998), (208, 45956), (213, 45908), (216, 45878), (221, 45851), (255, 45725), (257, 45719), (260, 45692), (272, 45647), (277, 45632), (279, 45626), (292, 45572), (297, 45563), (346, 45335), (355, 45299),

Gene: Swish_53 Start: 47189, Stop: 45393, Start Num: 39

Candidate Starts for Swish_53:

(Start: 39 @47189 has 104 MA's), (Start: 64 @47096 has 144 MA's), (Start: 74 @47072 has 11 MA's), (Start: 79 @47015 has 1 MA's), (Start: 81 @47006 has 2 MA's), (96, 46916), (100, 46883), (110, 46826), (112, 46814), (114, 46790), (117, 46778), (118, 46769), (128, 46709), (137, 46619), (141, 46574), (148, 46514), (163, 46412), (166, 46391), (188, 46259), (197, 46190), (199, 46184), (201, 46157), (203, 46142), (208, 46100), (213, 46052), (216, 46022), (221, 45995), (255, 45869), (257, 45863), (260, 45836), (271, 45794), (272, 45791), (277, 45776), (279, 45770), (292, 45716), (297, 45707), (346, 45479), (355, 45443),

Gene: SynergyX_52 Start: 47158, Stop: 45461, Start Num: 59

Candidate Starts for SynergyX_52:

(Start: 59 @47158 has 33 MA's), (Start: 95 @46960 has 1 MA's), (100, 46924), (110, 46867), (118, 46810), (124, 46768), (126, 46762), (131, 46705), (136, 46678), (137, 46660), (148, 46555), (161, 46465), (163, 46453), (166, 46432), (173, 46387), (183, 46324), (194, 46240), (198, 46225), (199, 46222), (200, 46219), (201, 46195), (204, 46177), (208, 46138), (213, 46090), (216, 46060), (220, 46036), (227, 45994), (253, 45916), (259, 45889), (268, 45838), (277, 45814), (292, 45766), (307, 45727), (319, 45685), (338, 45580), (346, 45538), (349, 45523),

Gene: TA17A_51 Start: 46559, Stop: 44844, Start Num: 64

Candidate Starts for TA17A_51:

(10, 46988), (12, 46952), (14, 46880), (20, 46814), (Start: 64 @46559 has 144 MA's), (70, 46547), (94, 46376), (Start: 95 @46373 has 1 MA's), (100, 46337), (101, 46325), (103, 46316), (110, 46280), (111, 46277), (114, 46244), (124, 46181), (137, 46073), (141, 46034), (153, 45953), (157, 45920), (159, 45911), (163, 45872), (166, 45851), (167, 45848), (173, 45806), (175, 45791), (176, 45776), (183, 45746), (188, 45719), (192, 45671), (198, 45647), (199, 45644), (201, 45617), (202, 45605), (204, 45599), (208, 45560), (213, 45512), (216, 45482), (217, 45476), (226, 45431), (239, 45356), (243, 45344), (249, 45317), (250, 45314), (254, 45299), (265, 45233), (277, 45200), (301, 45122), (312, 45092), (313, 45089), (316, 45077), (324, 45038), (346, 44918), (362, 44852),

Gene: TP1604_54 Start: 44652, Stop: 46490, Start Num: 68

Candidate Starts for TP1604_54:

(Start: 68 @44652 has 10 MA's), (78, 44697), (82, 44733), (84, 44739), (86, 44766), (94, 44826), (103, 44886), (114, 44958), (115, 44961), (117, 44970), (121, 45006), (127, 45030), (130, 45072), (133, 45093), (137, 45117), (139, 45144), (143, 45177), (145, 45204), (155, 45252), (158, 45282), (174, 45402), (175, 45411), (177, 45429), (181, 45447), (198, 45558), (199, 45561), (202, 45600), (208, 45645), (209, 45648), (219, 45738), (269, 46020), (275, 46047), (314, 46221), (321, 46257), (326, 46272), (342, 46374), (351, 46422), (354, 46431),

Gene: TPA2_58 Start: 46460, Stop: 44814, Start Num: 64

Candidate Starts for TPA2_58:

(Start: 64 @46460 has 144 MA's), (83, 46361), (92, 46295), (93, 46289), (100, 46244), (101, 46232), (124, 46088), (127, 46079), (137, 45980), (148, 45875), (153, 45854), (163, 45773), (167, 45749), (179, 45662), (187, 45629), (191, 45596), (197, 45551), (199, 45545), (201, 45518), (203, 45503), (208, 45461), (213, 45413), (216, 45383), (218, 45374), (230, 45314), (247, 45266), (255, 45236), (265, 45176), (275, 45152), (279, 45140), (323, 45023), (340, 44936), (344, 44912), (346, 44900),

Gene: TallGrassMM_52 Start: 46570, Stop: 44867, Start Num: 64

Candidate Starts for TallGrassMM_52:

(Start: 64 @46570 has 144 MA's), (Start: 74 @46546 has 11 MA's), (Start: 79 @46489 has 1 MA's), (Start: 81 @46480 has 2 MA's), (96, 46390), (100, 46357), (110, 46300), (112, 46288), (114, 46264), (117, 46252), (118, 46243), (128, 46183), (137, 46093), (141, 46048), (148, 45988), (157, 45934), (163, 45886), (166, 45865), (188, 45733), (197, 45664), (199, 45658), (201, 45631), (203, 45616), (208, 45574), (213, 45526), (216, 45496), (221, 45469), (255, 45343), (257, 45337), (260, 45310), (271, 45268), (272, 45265), (277, 45250), (279, 45244), (292, 45190), (297, 45181), (346, 44953), (355, 44917),

Gene: Telesworld_51 Start: 46742, Stop: 44946, Start Num: 39

Candidate Starts for Telesworld_51:

(Start: 39 @46742 has 104 MA's), (Start: 64 @46649 has 144 MA's), (Start: 74 @46625 has 11 MA's), (Start: 79 @46568 has 1 MA's), (Start: 81 @46559 has 2 MA's), (96, 46469), (100, 46436), (110, 46379), (112, 46367), (114, 46343), (117, 46331), (118, 46322), (128, 46262), (137, 46172), (141, 46127), (148, 46067), (157, 46013), (163, 45965), (166, 45944), (188, 45812), (197, 45743), (199, 45737), (201, 45710), (203, 45695), (208, 45653), (213, 45605), (216, 45575), (221, 45548), (255, 45422), (257, 45416), (260, 45389), (272, 45344), (277, 45329), (279, 45323), (292, 45269), (297, 45260), (346, 45032), (355, 44996),

Gene: Thonko_54 Start: 46420, Stop: 44732, Start Num: 64

Candidate Starts for Thonko_54:

(Start: 64 @46420 has 144 MA's), (Start: 66 @46414 has 22 MA's), (94, 46243), (97, 46234), (100, 46204), (110, 46150), (117, 46102), (128, 46033), (131, 45988), (135, 45964), (137, 45943), (148,

45844), (153, 45823), (157, 45790), (163, 45742), (186, 45601), (188, 45589), (197, 45520), (199, 45514), (201, 45487), (202, 45475), (203, 45472), (208, 45430), (213, 45382), (216, 45352), (250, 45232), (255, 45211), (256, 45208), (261, 45175), (265, 45151), (322, 44932), (325, 44923), (330, 44905), (338, 44851), (342, 44833), (346, 44809), (359, 44758),

Gene: Thora_52 Start: 46956, Stop: 45253, Start Num: 63

Candidate Starts for Thora_52:

(Start: 63 @46956 has 65 MA's), (Start: 74 @46932 has 11 MA's), (Start: 79 @46875 has 1 MA's), (Start: 81 @46866 has 2 MA's), (96, 46776), (100, 46743), (110, 46686), (112, 46674), (114, 46650), (117, 46638), (118, 46629), (128, 46569), (137, 46479), (141, 46434), (148, 46374), (163, 46272), (166, 46251), (188, 46119), (197, 46050), (199, 46044), (201, 46017), (203, 46002), (208, 45960), (213, 45912), (216, 45882), (221, 45855), (255, 45729), (257, 45723), (260, 45696), (271, 45654), (272, 45651), (277, 45636), (279, 45630), (292, 45576), (297, 45567), (346, 45339), (355, 45303),

Gene: ThreeOh3D2_53 Start: 47182, Stop: 45386, Start Num: 39

Candidate Starts for ThreeOh3D2_53:

(Start: 39 @47182 has 104 MA's), (Start: 64 @47089 has 144 MA's), (Start: 74 @47065 has 11 MA's), (Start: 79 @47008 has 1 MA's), (Start: 81 @46999 has 2 MA's), (96, 46909), (100, 46876), (110, 46819), (112, 46807), (114, 46783), (117, 46771), (118, 46762), (128, 46702), (137, 46612), (141, 46567), (148, 46507), (163, 46405), (166, 46384), (188, 46252), (197, 46183), (199, 46177), (201, 46150), (203, 46135), (208, 46093), (213, 46045), (216, 46015), (221, 45988), (255, 45862), (257, 45856), (260, 45829), (271, 45787), (272, 45784), (277, 45769), (279, 45763), (292, 45709), (297, 45700), (346, 45472), (355, 45436),

Gene: Thunderbird_52 Start: 46747, Stop: 44951, Start Num: 39

Candidate Starts for Thunderbird_52:

(Start: 39 @46747 has 104 MA's), (Start: 64 @46654 has 144 MA's), (Start: 74 @46630 has 11 MA's), (Start: 79 @46573 has 1 MA's), (Start: 81 @46564 has 2 MA's), (96, 46474), (100, 46441), (110, 46384), (112, 46372), (114, 46348), (117, 46336), (118, 46327), (128, 46267), (137, 46177), (141, 46132), (148, 46072), (157, 46018), (163, 45970), (166, 45949), (188, 45817), (197, 45748), (199, 45742), (201, 45715), (203, 45700), (208, 45658), (213, 45610), (216, 45580), (221, 45553), (255, 45427), (257, 45421), (260, 45394), (272, 45349), (277, 45334), (279, 45328), (292, 45274), (297, 45265), (346, 45037), (355, 45001),

Gene: Thyatira_67 Start: 48091, Stop: 49800, Start Num: 66

Candidate Starts for Thyatira_67:

(Start: 66 @48091 has 22 MA's), (84, 48184), (88, 48226), (Start: 95 @48262 has 1 MA's), (96, 48265), (99, 48289), (100, 48298), (107, 48337), (110, 48355), (118, 48412), (121, 48439), (122, 48442), (130, 48505), (137, 48565), (140, 48595), (141, 48604), (148, 48664), (151, 48679), (152, 48682), (158, 48724), (159, 48727), (162, 48763), (163, 48766), (171, 48832), (172, 48835), (173, 48838), (175, 48853), (176, 48868), (179, 48883), (186, 48913), (188, 48925), (201, 49027), (202, 49039), (203, 49042), (204, 49045), (206, 49066), (208, 49084), (212, 49129), (213, 49132), (219, 49171), (222, 49192), (254, 49321), (265, 49390), (266, 49393), (276, 49426), (277, 49429), (278, 49432), (291, 49495), (294, 49504), (297, 49510), (302, 49534), (312, 49567), (327, 49630), (333, 49651), (335, 49666), (337, 49693), (338, 49702), (341, 49717),

Gene: Timmi_51 Start: 46656, Stop: 44953, Start Num: 64

Candidate Starts for Timmi_51:

(Start: 64 @46656 has 144 MA's), (Start: 74 @46632 has 11 MA's), (Start: 79 @46575 has 1 MA's), (Start: 81 @46566 has 2 MA's), (96, 46476), (100, 46443), (110, 46386), (112, 46374), (114, 46350), (117, 46338), (118, 46329), (128, 46269), (137, 46179), (141, 46134), (148, 46074), (157, 46020), (163, 45972), (166, 45951), (188, 45819), (197, 45750), (199, 45744), (201, 45717), (203, 45702), (208, 45660), (213, 45612), (216, 45582), (221, 45555), (255, 45429), (257, 45423), (260, 45396),

(271, 45354), (272, 45351), (277, 45336), (279, 45330), (292, 45276), (297, 45267), (346, 45039), (355, 45003),

Gene: Tinciduntolum_52 Start: 46721, Stop: 45006, Start Num: 64

Candidate Starts for Tinciduntolum_52:

(10, 47150), (12, 47114), (14, 47042), (16, 47027), (20, 46976), (Start: 64 @46721 has 144 MA's), (70, 46709), (94, 46538), (Start: 95 @46535 has 1 MA's), (100, 46499), (101, 46487), (103, 46478), (110, 46442), (111, 46439), (114, 46406), (124, 46343), (137, 46235), (141, 46196), (153, 46115), (157, 46082), (159, 46073), (163, 46034), (166, 46013), (167, 46010), (173, 45968), (175, 45953), (176, 45938), (183, 45908), (188, 45881), (192, 45833), (198, 45809), (199, 45806), (201, 45779), (202, 45767), (204, 45761), (208, 45722), (213, 45674), (216, 45644), (217, 45638), (226, 45593), (239, 45518), (243, 45506), (249, 45479), (250, 45476), (254, 45461), (265, 45395), (277, 45362), (301, 45284), (312, 45254), (313, 45251), (316, 45239), (324, 45200), (338, 45122), (346, 45080), (362, 45014),

Gene: TomBombadil_52 Start: 46941, Stop: 45238, Start Num: 64

Candidate Starts for TomBombadil_52:

(Start: 64 @46941 has 144 MA's), (Start: 74 @46917 has 11 MA's), (Start: 79 @46860 has 1 MA's), (Start: 81 @46851 has 2 MA's), (96, 46761), (100, 46728), (110, 46671), (112, 46659), (114, 46635), (117, 46623), (118, 46614), (128, 46554), (137, 46464), (141, 46419), (148, 46359), (157, 46305), (163, 46257), (166, 46236), (188, 46104), (197, 46035), (199, 46029), (201, 46002), (203, 45987), (208, 45945), (213, 45897), (216, 45867), (221, 45840), (255, 45714), (257, 45708), (260, 45681), (271, 45639), (272, 45636), (277, 45621), (279, 45615), (292, 45561), (297, 45552), (346, 45324), (355, 45288),

Gene: Tomlarah_52 Start: 46944, Stop: 45241, Start Num: 64

Candidate Starts for Tomlarah_52:

(Start: 39 @47037 has 104 MA's), (Start: 64 @46944 has 144 MA's), (Start: 74 @46920 has 11 MA's), (Start: 79 @46863 has 1 MA's), (Start: 81 @46854 has 2 MA's), (96, 46764), (100, 46731), (110, 46674), (112, 46662), (114, 46638), (117, 46626), (118, 46617), (128, 46557), (137, 46467), (141, 46422), (148, 46362), (157, 46308), (163, 46260), (166, 46239), (188, 46107), (197, 46038), (199, 46032), (201, 46005), (203, 45990), (208, 45948), (213, 45900), (216, 45870), (221, 45843), (255, 45717), (257, 45711), (260, 45684), (272, 45639), (277, 45624), (279, 45618), (292, 45564), (297, 45555), (346, 45327), (355, 45291),

Gene: Toni_51 Start: 46741, Stop: 44945, Start Num: 39

Candidate Starts for Toni_51:

(Start: 39 @46741 has 104 MA's), (Start: 64 @46648 has 144 MA's), (Start: 74 @46624 has 11 MA's), (Start: 79 @46567 has 1 MA's), (Start: 81 @46558 has 2 MA's), (96, 46468), (100, 46435), (110, 46378), (112, 46366), (114, 46342), (117, 46330), (118, 46321), (128, 46261), (137, 46171), (141, 46126), (148, 46066), (163, 45964), (166, 45943), (188, 45811), (197, 45742), (199, 45736), (201, 45709), (203, 45694), (208, 45652), (213, 45604), (216, 45574), (221, 45547), (255, 45421), (257, 45415), (260, 45388), (271, 45346), (272, 45343), (277, 45328), (279, 45322), (292, 45268), (297, 45259), (346, 45031), (355, 44995),

Gene: Tooj_52 Start: 47023, Stop: 45320, Start Num: 63

Candidate Starts for Tooj_52:

(13, 47356), (15, 47329), (Start: 63 @47023 has 65 MA's), (Start: 74 @46999 has 11 MA's), (Start: 79 @46942 has 1 MA's), (Start: 81 @46933 has 2 MA's), (96, 46843), (100, 46810), (110, 46753), (112, 46741), (114, 46717), (117, 46705), (118, 46696), (128, 46636), (137, 46546), (141, 46501), (148, 46441), (163, 46339), (166, 46318), (188, 46186), (197, 46117), (199, 46111), (201, 46084), (203, 46069), (208, 46027), (213, 45979), (216, 45949), (221, 45922), (255, 45796), (257, 45790), (260, 45763), (272, 45718), (277, 45703), (279, 45697), (292, 45643), (297, 45634), (346, 45406), (355,

45370),

Gene: Tres_51 Start: 46572, Stop: 44857, Start Num: 64

Candidate Starts for Tres_51:

(10, 47001), (12, 46965), (14, 46893), (16, 46878), (20, 46827), (Start: 64 @46572 has 144 MA's), (70, 46560), (94, 46389), (Start: 95 @46386 has 1 MA's), (100, 46350), (101, 46338), (103, 46329), (110, 46293), (111, 46290), (114, 46257), (124, 46194), (137, 46086), (141, 46047), (153, 45966), (157, 45933), (159, 45924), (163, 45885), (166, 45864), (167, 45861), (173, 45819), (175, 45804), (176, 45789), (183, 45759), (188, 45732), (192, 45684), (198, 45660), (199, 45657), (201, 45630), (202, 45618), (204, 45612), (208, 45573), (213, 45525), (216, 45495), (217, 45489), (226, 45444), (239, 45369), (243, 45357), (249, 45330), (250, 45327), (254, 45312), (265, 45246), (277, 45213), (301, 45135), (312, 45105), (313, 45102), (316, 45090), (324, 45051), (338, 44973), (346, 44931), (362, 44865),

Gene: Trine_32 Start: 26687, Stop: 25041, Start Num: 69

Candidate Starts for Trine_32:

(40, 26819), (Start: 69 @26687 has 7 MA's), (83, 26594), (Start: 95 @26513 has 1 MA's), (96, 26510), (100, 26477), (101, 26465), (103, 26456), (108, 26435), (137, 26216), (147, 26126), (154, 26099), (155, 26096), (159, 26060), (163, 26021), (165, 26009), (167, 25997), (173, 25955), (186, 25880), (204, 25748), (208, 25709), (216, 25631), (226, 25580), (231, 25559), (235, 25541), (241, 25535), (259, 25463), (277, 25391), (315, 25271), (325, 25226), (346, 25112),

Gene: True_51 Start: 46747, Stop: 44951, Start Num: 39

Candidate Starts for True_51:

(Start: 39 @46747 has 104 MA's), (Start: 64 @46654 has 144 MA's), (Start: 74 @46630 has 11 MA's), (Start: 79 @46573 has 1 MA's), (Start: 81 @46564 has 2 MA's), (96, 46474), (100, 46441), (110, 46384), (112, 46372), (114, 46348), (117, 46336), (118, 46327), (128, 46267), (137, 46177), (141, 46132), (148, 46072), (163, 45970), (166, 45949), (188, 45817), (197, 45748), (199, 45742), (201, 45715), (203, 45700), (208, 45658), (213, 45610), (216, 45580), (221, 45553), (255, 45427), (257, 45421), (260, 45394), (271, 45352), (272, 45349), (277, 45334), (279, 45328), (292, 45274), (297, 45265), (346, 45037), (355, 45001),

Gene: Trypo_53 Start: 47061, Stop: 45382, Start Num: 74

Candidate Starts for Trypo_53:

(Start: 39 @47178 has 104 MA's), (Start: 64 @47085 has 144 MA's), (Start: 74 @47061 has 11 MA's), (Start: 79 @47004 has 1 MA's), (Start: 81 @46995 has 2 MA's), (96, 46905), (100, 46872), (110, 46815), (112, 46803), (114, 46779), (117, 46767), (118, 46758), (128, 46698), (137, 46608), (141, 46563), (148, 46503), (157, 46449), (163, 46401), (166, 46380), (188, 46248), (197, 46179), (199, 46173), (201, 46146), (203, 46131), (208, 46089), (213, 46041), (216, 46011), (221, 45984), (255, 45858), (257, 45852), (260, 45825), (272, 45780), (277, 45765), (279, 45759), (292, 45705), (297, 45696), (346, 45468), (355, 45432),

Gene: Tydolla_51 Start: 47892, Stop: 46195, Start Num: 59

Candidate Starts for Tydolla_51:

(Start: 59 @47892 has 33 MA's), (Start: 95 @47694 has 1 MA's), (100, 47658), (110, 47601), (118, 47544), (124, 47502), (126, 47496), (131, 47439), (136, 47412), (137, 47394), (148, 47289), (161, 47199), (163, 47187), (166, 47166), (173, 47121), (183, 47058), (194, 46974), (198, 46959), (199, 46956), (200, 46953), (201, 46929), (204, 46911), (208, 46872), (213, 46824), (216, 46794), (220, 46770), (227, 46728), (253, 46650), (259, 46623), (268, 46572), (277, 46548), (292, 46500), (307, 46461), (319, 46419), (338, 46314), (346, 46272), (349, 46257),

Gene: TyrionL_51 Start: 46603, Stop: 44807, Start Num: 39

Candidate Starts for TyrionL_51:

(Start: 39 @46603 has 104 MA's), (Start: 64 @46510 has 144 MA's), (Start: 74 @46486 has 11 MA's), (Start: 79 @46429 has 1 MA's), (Start: 81 @46420 has 2 MA's), (96, 46330), (100, 46297), (110, 46240), (112, 46228), (114, 46204), (117, 46192), (118, 46183), (128, 46123), (137, 46033), (141, 45988), (148, 45928), (157, 45874), (163, 45826), (166, 45805), (188, 45673), (197, 45604), (199, 45598), (201, 45571), (203, 45556), (208, 45514), (213, 45466), (216, 45436), (221, 45409), (255, 45283), (257, 45277), (260, 45250), (272, 45205), (277, 45190), (279, 45184), (292, 45130), (297, 45121), (346, 44893), (355, 44857),

Gene: UAch1_52 Start: 46978, Stop: 45275, Start Num: 63

Candidate Starts for UAch1_52:

(13, 47311), (15, 47284), (Start: 63 @46978 has 65 MA's), (Start: 74 @46954 has 11 MA's), (Start: 79 @46897 has 1 MA's), (Start: 81 @46888 has 2 MA's), (96, 46798), (100, 46765), (110, 46708), (112, 46696), (114, 46672), (117, 46660), (118, 46651), (128, 46591), (137, 46501), (141, 46456), (148, 46396), (163, 46294), (166, 46273), (188, 46141), (197, 46072), (199, 46066), (201, 46039), (203, 46024), (208, 45982), (213, 45934), (216, 45904), (221, 45877), (255, 45751), (257, 45745), (260, 45718), (271, 45676), (272, 45673), (277, 45658), (279, 45652), (292, 45598), (297, 45589), (346, 45361), (355, 45325),

Gene: UncleHowie_52 Start: 46653, Stop: 44950, Start Num: 63

Candidate Starts for UncleHowie_52:

(13, 46986), (15, 46959), (Start: 63 @46653 has 65 MA's), (Start: 74 @46629 has 11 MA's), (Start: 79 @46572 has 1 MA's), (Start: 81 @46563 has 2 MA's), (96, 46473), (100, 46440), (110, 46383), (112, 46371), (114, 46347), (117, 46335), (118, 46326), (128, 46266), (137, 46176), (141, 46131), (148, 46071), (163, 45969), (166, 45948), (188, 45816), (197, 45747), (199, 45741), (201, 45714), (203, 45699), (208, 45657), (213, 45609), (216, 45579), (221, 45552), (255, 45426), (257, 45420), (260, 45393), (272, 45348), (277, 45333), (279, 45327), (292, 45273), (297, 45264), (346, 45036), (355, 45000),

Gene: Upyo_33 Start: 27921, Stop: 26278, Start Num: 69

Candidate Starts for Upyo_33:

(Start: 69 @27921 has 7 MA's), (75, 27888), (78, 27870), (96, 27744), (100, 27711), (101, 27699), (118, 27603), (124, 27561), (137, 27450), (144, 27387), (153, 27336), (155, 27330), (159, 27294), (163, 27255), (165, 27243), (167, 27231), (171, 27195), (173, 27189), (204, 26982), (208, 26943), (216, 26865), (226, 26814), (246, 26757), (262, 26673), (277, 26625), (317, 26493), (319, 26481), (346, 26343),

Gene: Usavi_52 Start: 47045, Stop: 45249, Start Num: 39

Candidate Starts for Usavi_52:

(Start: 39 @47045 has 104 MA's), (Start: 64 @46952 has 144 MA's), (Start: 74 @46928 has 11 MA's), (Start: 79 @46871 has 1 MA's), (Start: 81 @46862 has 2 MA's), (96, 46772), (100, 46739), (110, 46682), (112, 46670), (114, 46646), (117, 46634), (118, 46625), (128, 46565), (137, 46475), (141, 46430), (148, 46370), (157, 46316), (163, 46268), (166, 46247), (188, 46115), (197, 46046), (199, 46040), (201, 46013), (203, 45998), (208, 45956), (213, 45908), (216, 45878), (221, 45851), (255, 45725), (257, 45719), (260, 45692), (272, 45647), (277, 45632), (279, 45626), (292, 45572), (297, 45563), (346, 45335), (355, 45299),

Gene: Vaishali24_51 Start: 46624, Stop: 44921, Start Num: 64

Candidate Starts for Vaishali24_51:

(Start: 39 @46720 has 104 MA's), (Start: 64 @46624 has 144 MA's), (Start: 74 @46600 has 11 MA's), (Start: 79 @46543 has 1 MA's), (Start: 81 @46534 has 2 MA's), (96, 46444), (100, 46411), (110, 46354), (112, 46342), (114, 46318), (117, 46306), (118, 46297), (128, 46237), (137, 46147), (141, 46102), (148, 46042), (163, 45940), (166, 45919), (188, 45787), (197, 45718), (199, 45712), (201, 45685), (203, 45670), (208, 45628), (213, 45580), (216, 45550), (221, 45523), (255, 45397), (257,

45391), (260, 45364), (271, 45322), (272, 45319), (277, 45304), (279, 45298), (292, 45244), (297, 45235), (346, 45007), (355, 44971),

Gene: Valjean_52 Start: 46949, Stop: 45246, Start Num: 64

Candidate Starts for Valjean_52:

(13, 47267), (15, 47240), (Start: 64 @46949 has 144 MA's), (Start: 74 @46925 has 11 MA's), (Start: 79 @46868 has 1 MA's), (Start: 81 @46859 has 2 MA's), (96, 46769), (100, 46736), (110, 46679), (112, 46667), (114, 46643), (117, 46631), (118, 46622), (128, 46562), (137, 46472), (141, 46427), (148, 46367), (157, 46313), (163, 46265), (166, 46244), (188, 46112), (197, 46043), (199, 46037), (201, 46010), (203, 45995), (208, 45953), (213, 45905), (216, 45875), (221, 45848), (255, 45722), (257, 45716), (260, 45689), (272, 45644), (277, 45629), (279, 45623), (292, 45569), (297, 45560), (346, 45332), (355, 45296),

Gene: Vaticameos_48 Start: 44635, Stop: 42932, Start Num: 64

Candidate Starts for Vaticameos_48:

(Start: 39 @44728 has 104 MA's), (Start: 64 @44635 has 144 MA's), (Start: 74 @44611 has 11 MA's), (Start: 79 @44554 has 1 MA's), (Start: 81 @44545 has 2 MA's), (96, 44455), (100, 44422), (110, 44365), (112, 44353), (114, 44329), (117, 44317), (118, 44308), (128, 44248), (137, 44158), (141, 44113), (148, 44053), (157, 43999), (163, 43951), (166, 43930), (188, 43798), (197, 43729), (199, 43723), (201, 43696), (203, 43681), (208, 43639), (213, 43591), (216, 43561), (221, 43534), (255, 43408), (257, 43402), (260, 43375), (272, 43330), (277, 43315), (279, 43309), (292, 43255), (297, 43246), (346, 43018), (355, 42982),

Gene: Veritas_51 Start: 46528, Stop: 44825, Start Num: 64

Candidate Starts for Veritas_51:

(Start: 39 @46621 has 104 MA's), (Start: 64 @46528 has 144 MA's), (Start: 74 @46504 has 11 MA's), (Start: 79 @46447 has 1 MA's), (Start: 81 @46438 has 2 MA's), (96, 46348), (100, 46315), (110, 46258), (112, 46246), (114, 46222), (117, 46210), (118, 46201), (128, 46141), (137, 46051), (141, 46006), (148, 45946), (157, 45892), (163, 45844), (166, 45823), (188, 45691), (197, 45622), (199, 45616), (201, 45589), (203, 45574), (208, 45532), (213, 45484), (216, 45454), (221, 45427), (255, 45301), (257, 45295), (260, 45268), (272, 45223), (277, 45208), (279, 45202), (292, 45148), (297, 45139), (346, 44911), (355, 44875),

Gene: Vincenzo_49 Start: 48162, Stop: 46462, Start Num: 64

Candidate Starts for Vincenzo_49:

(6, 48621), (Start: 64 @48162 has 144 MA's), (75, 48114), (97, 47970), (100, 47940), (110, 47883), (112, 47871), (117, 47835), (135, 47697), (137, 47676), (153, 47556), (157, 47523), (163, 47475), (167, 47451), (170, 47436), (188, 47322), (196, 47259), (199, 47247), (201, 47220), (202, 47208), (203, 47205), (208, 47163), (213, 47115), (216, 47085), (224, 47043), (226, 47034), (249, 46962), (250, 46959), (255, 46938), (261, 46902), (262, 46896), (265, 46878), (271, 46860), (276, 46845), (285, 46815), (322, 46662), (343, 46554), (346, 46539), (359, 46488),

Gene: VioletZ_49 Start: 47515, Stop: 45803, Start Num: 64

Candidate Starts for VioletZ_49:

(Start: 64 @47515 has 144 MA's), (94, 47332), (100, 47293), (103, 47272), (114, 47203), (128, 47122), (135, 47053), (137, 47032), (148, 46933), (153, 46912), (157, 46879), (159, 46870), (162, 46834), (163, 46831), (167, 46807), (184, 46696), (186, 46690), (188, 46678), (197, 46609), (199, 46603), (201, 46576), (202, 46564), (203, 46561), (208, 46519), (213, 46471), (216, 46441), (250, 46306), (254, 46291), (255, 46285), (256, 46282), (261, 46249), (262, 46243), (264, 46234), (271, 46207), (276, 46192), (277, 46189), (281, 46180), (285, 46162), (289, 46135), (297, 46114), (322, 46003), (346, 45880), (356, 45841), (359, 45829),

Gene: Virapocalypse_52 Start: 47037, Stop: 45241, Start Num: 39

Candidate Starts for Virapocalypse_52:

(Start: 39 @47037 has 104 MA's), (Start: 64 @46944 has 144 MA's), (Start: 74 @46920 has 11 MA's), (Start: 79 @46863 has 1 MA's), (Start: 81 @46854 has 2 MA's), (96, 46764), (100, 46731), (110, 46674), (112, 46662), (114, 46638), (117, 46626), (118, 46617), (128, 46557), (137, 46467), (141, 46422), (148, 46362), (157, 46308), (163, 46260), (166, 46239), (188, 46107), (197, 46038), (199, 46032), (201, 46005), (203, 45990), (208, 45948), (213, 45900), (216, 45870), (221, 45843), (255, 45717), (257, 45711), (260, 45684), (272, 45639), (277, 45624), (279, 45618), (292, 45564), (297, 45555), (346, 45327), (355, 45291),

Gene: Virgeve_51 Start: 46811, Stop: 45015, Start Num: 39

Candidate Starts for Virgeve_51:

(Start: 39 @46811 has 104 MA's), (Start: 64 @46718 has 144 MA's), (Start: 74 @46694 has 11 MA's), (Start: 79 @46637 has 1 MA's), (Start: 81 @46628 has 2 MA's), (96, 46538), (100, 46505), (110, 46448), (112, 46436), (114, 46412), (117, 46400), (118, 46391), (128, 46331), (137, 46241), (141, 46196), (148, 46136), (157, 46082), (163, 46034), (166, 46013), (188, 45881), (197, 45812), (199, 45806), (201, 45779), (203, 45764), (208, 45722), (213, 45674), (216, 45644), (221, 45617), (255, 45491), (257, 45485), (260, 45458), (272, 45413), (277, 45398), (279, 45392), (292, 45338), (297, 45329), (346, 45101), (355, 45065),

Gene: Vista_52 Start: 46930, Stop: 45251, Start Num: 74

Candidate Starts for Vista_52:

(13, 47287), (15, 47260), (Start: 63 @46954 has 65 MA's), (Start: 74 @46930 has 11 MA's), (Start: 79 @46873 has 1 MA's), (Start: 81 @46864 has 2 MA's), (96, 46774), (100, 46741), (110, 46684), (112, 46672), (114, 46648), (117, 46636), (118, 46627), (128, 46567), (137, 46477), (141, 46432), (148, 46372), (163, 46270), (166, 46249), (188, 46117), (197, 46048), (199, 46042), (201, 46015), (203, 46000), (208, 45958), (213, 45910), (216, 45880), (221, 45853), (255, 45727), (257, 45721), (260, 45694), (272, 45649), (277, 45634), (279, 45628), (292, 45574), (297, 45565), (346, 45337), (355, 45301),

Gene: Vivaldi_54 Start: 47616, Stop: 45913, Start Num: 64

Candidate Starts for Vivaldi_54:

(13, 47928), (15, 47901), (Start: 64 @47616 has 144 MA's), (Start: 74 @47592 has 11 MA's), (Start: 79 @47535 has 1 MA's), (Start: 81 @47526 has 2 MA's), (96, 47436), (100, 47403), (110, 47346), (112, 47334), (114, 47310), (117, 47298), (118, 47289), (128, 47229), (137, 47139), (141, 47094), (148, 47034), (163, 46932), (166, 46911), (188, 46779), (197, 46710), (199, 46704), (201, 46677), (203, 46662), (208, 46620), (213, 46572), (216, 46542), (221, 46515), (255, 46389), (257, 46383), (260, 46356), (272, 46311), (277, 46296), (279, 46290), (292, 46236), (297, 46227), (346, 45999), (355, 45963),

Gene: Vortex_52 Start: 46651, Stop: 44948, Start Num: 64

Candidate Starts for Vortex_52:

(Start: 64 @46651 has 144 MA's), (Start: 74 @46627 has 11 MA's), (Start: 79 @46570 has 1 MA's), (Start: 81 @46561 has 2 MA's), (96, 46471), (100, 46438), (110, 46381), (112, 46369), (114, 46345), (117, 46333), (118, 46324), (128, 46264), (137, 46174), (141, 46129), (148, 46069), (157, 46015), (163, 45967), (166, 45946), (188, 45814), (197, 45745), (199, 45739), (201, 45712), (203, 45697), (208, 45655), (213, 45607), (216, 45577), (221, 45550), (255, 45424), (257, 45418), (260, 45391), (271, 45349), (272, 45346), (277, 45331), (279, 45325), (292, 45271), (297, 45262), (346, 45034), (355, 44998),

Gene: Waleliano_47 Start: 47428, Stop: 45719, Start Num: 64

Candidate Starts for Waleliano_47:

(Start: 64 @47428 has 144 MA's), (94, 47245), (100, 47206), (103, 47185), (114, 47116), (128, 47035), (135, 46966), (137, 46945), (148, 46846), (153, 46825), (157, 46792), (159, 46783), (162,

46747), (163, 46744), (167, 46720), (184, 46609), (186, 46603), (188, 46591), (197, 46522), (199, 46516), (201, 46489), (202, 46477), (203, 46474), (208, 46432), (213, 46384), (216, 46354), (226, 46303), (250, 46222), (254, 46207), (255, 46201), (256, 46198), (261, 46165), (262, 46159), (264, 46150), (271, 46123), (276, 46108), (277, 46105), (281, 46096), (285, 46078), (289, 46051), (297, 46030), (322, 45919), (346, 45796), (356, 45757), (359, 45745),

Gene: Wallhey_51 Start: 46514, Stop: 44811, Start Num: 64

Candidate Starts for Wallhey_51:

(Start: 39 @46607 has 104 MA's), (Start: 64 @46514 has 144 MA's), (Start: 74 @46490 has 11 MA's), (Start: 79 @46433 has 1 MA's), (Start: 81 @46424 has 2 MA's), (96, 46334), (100, 46301), (110, 46244), (112, 46232), (114, 46208), (117, 46196), (118, 46187), (128, 46127), (137, 46037), (141, 45992), (148, 45932), (157, 45878), (163, 45830), (166, 45809), (188, 45677), (197, 45608), (199, 45602), (201, 45575), (203, 45560), (208, 45518), (213, 45470), (216, 45440), (221, 45413), (255, 45287), (257, 45281), (260, 45254), (272, 45209), (277, 45194), (279, 45188), (292, 45134), (297, 45125), (346, 44897), (355, 44861),

Gene: Waterdiva_52 Start: 47039, Stop: 45243, Start Num: 39

Candidate Starts for Waterdiva_52:

(Start: 39 @47039 has 104 MA's), (Start: 64 @46946 has 144 MA's), (Start: 74 @46922 has 11 MA's), (Start: 79 @46865 has 1 MA's), (Start: 81 @46856 has 2 MA's), (96, 46766), (100, 46733), (110, 46676), (112, 46664), (114, 46640), (117, 46628), (118, 46619), (128, 46559), (137, 46469), (141, 46424), (148, 46364), (157, 46310), (163, 46262), (166, 46241), (188, 46109), (197, 46040), (199, 46034), (201, 46007), (203, 45992), (208, 45950), (213, 45902), (216, 45872), (221, 45845), (255, 45719), (257, 45713), (260, 45686), (272, 45641), (277, 45626), (279, 45620), (292, 45566), (297, 45557), (346, 45329), (355, 45293),

Gene: Waterfoul_66 Start: 46161, Stop: 47870, Start Num: 66

Candidate Starts for Waterfoul_66:

(Start: 66 @46161 has 22 MA's), (84, 46254), (88, 46296), (Start: 95 @46332 has 1 MA's), (96, 46335), (99, 46359), (100, 46368), (107, 46407), (110, 46425), (118, 46482), (121, 46509), (122, 46512), (130, 46575), (137, 46635), (140, 46665), (141, 46674), (151, 46749), (152, 46752), (158, 46794), (159, 46797), (162, 46833), (163, 46836), (171, 46902), (172, 46905), (173, 46908), (175, 46923), (176, 46938), (179, 46953), (186, 46983), (188, 46995), (201, 47097), (202, 47109), (203, 47112), (204, 47115), (206, 47136), (208, 47154), (212, 47199), (213, 47202), (219, 47241), (222, 47262), (254, 47391), (265, 47460), (266, 47463), (276, 47496), (277, 47499), (278, 47502), (291, 47565), (294, 47574), (297, 47580), (302, 47604), (312, 47637), (327, 47700), (333, 47721), (335, 47736), (337, 47763), (338, 47772), (341, 47787),

Gene: Weher20_52 Start: 46945, Stop: 45242, Start Num: 64

Candidate Starts for Weher20_52:

(Start: 64 @46945 has 144 MA's), (Start: 74 @46921 has 11 MA's), (Start: 79 @46864 has 1 MA's), (Start: 81 @46855 has 2 MA's), (96, 46765), (100, 46732), (110, 46675), (112, 46663), (114, 46639), (117, 46627), (118, 46618), (128, 46558), (137, 46468), (141, 46423), (148, 46363), (157, 46309), (163, 46261), (166, 46240), (188, 46108), (197, 46039), (199, 46033), (201, 46006), (203, 45991), (208, 45949), (213, 45901), (216, 45871), (221, 45844), (255, 45718), (257, 45712), (260, 45685), (272, 45640), (277, 45625), (279, 45619), (292, 45565), (297, 45556), (346, 45328), (355, 45292),

Gene: West99_51 Start: 46707, Stop: 44992, Start Num: 64

Candidate Starts for West99_51:

(Start: 64 @46707 has 144 MA's), (70, 46695), (94, 46524), (Start: 95 @46521 has 1 MA's), (100, 46485), (101, 46473), (103, 46464), (110, 46428), (111, 46425), (114, 46392), (124, 46329), (137, 46221), (141, 46182), (153, 46101), (157, 46068), (159, 46059), (163, 46020), (166, 45999), (167, 45996), (173, 45954), (175, 45939), (176, 45924), (183, 45894), (188, 45867), (192, 45819), (198,

45795), (199, 45792), (201, 45765), (202, 45753), (204, 45747), (208, 45708), (213, 45660), (216, 45630), (217, 45624), (226, 45579), (239, 45504), (243, 45492), (249, 45465), (250, 45462), (254, 45447), (265, 45381), (277, 45348), (301, 45270), (312, 45240), (313, 45237), (316, 45225), (324, 45186), (338, 45108), (346, 45066), (362, 45000),

Gene: Widow_34 Start: 27834, Stop: 26191, Start Num: 69

Candidate Starts for Widow_34:

(Start: 62 @27846 has 10 MA's), (Start: 69 @27834 has 7 MA's), (76, 27795), (77, 27792), (78, 27786), (87, 27711), (94, 27666), (100, 27627), (109, 27579), (110, 27576), (118, 27519), (125, 27474), (131, 27414), (132, 27393), (134, 27390), (137, 27366), (155, 27246), (156, 27228), (159, 27210), (163, 27171), (165, 27159), (167, 27147), (171, 27111), (173, 27105), (175, 27090), (184, 27036), (202, 26904), (204, 26898), (208, 26859), (224, 26739), (247, 26661), (253, 26637), (277, 26538), (319, 26394), (346, 26256), (360, 26202),

Gene: Windsor_51 Start: 46743, Stop: 44947, Start Num: 39

Candidate Starts for Windsor_51:

(Start: 39 @46743 has 104 MA's), (Start: 64 @46650 has 144 MA's), (Start: 74 @46626 has 11 MA's), (Start: 79 @46569 has 1 MA's), (Start: 81 @46560 has 2 MA's), (96, 46470), (100, 46437), (110, 46380), (112, 46368), (114, 46344), (117, 46332), (118, 46323), (128, 46263), (137, 46173), (141, 46128), (148, 46068), (157, 46014), (163, 45966), (166, 45945), (188, 45813), (197, 45744), (199, 45738), (201, 45711), (203, 45696), (208, 45654), (213, 45606), (216, 45576), (221, 45549), (255, 45423), (257, 45417), (260, 45390), (272, 45345), (277, 45330), (279, 45324), (292, 45270), (297, 45261), (346, 45033), (355, 44997),

Gene: Wooper_49 Start: 42310, Stop: 40640, Start Num: 64

Candidate Starts for Wooper_49:

(Start: 64 @42310 has 144 MA's), (84, 42205), (87, 42175), (94, 42130), (Start: 95 @42127 has 1 MA's), (100, 42091), (101, 42079), (135, 41845), (137, 41824), (148, 41722), (162, 41623), (163, 41620), (168, 41587), (186, 41479), (197, 41398), (198, 41395), (199, 41392), (201, 41365), (202, 41353), (203, 41350), (208, 41308), (216, 41230), (224, 41188), (248, 41110), (255, 41080), (256, 41077), (265, 41020), (276, 40990), (277, 40987), (279, 40981), (286, 40954), (325, 40834), (346, 40717), (364, 40651),

Gene: Xavier_51 Start: 46658, Stop: 44955, Start Num: 64

Candidate Starts for Xavier_51:

(Start: 64 @46658 has 144 MA's), (Start: 74 @46634 has 11 MA's), (Start: 79 @46577 has 1 MA's), (Start: 81 @46568 has 2 MA's), (96, 46478), (100, 46445), (110, 46388), (112, 46376), (114, 46352), (117, 46340), (118, 46331), (128, 46271), (137, 46181), (141, 46136), (148, 46076), (157, 46022), (163, 45974), (166, 45953), (188, 45821), (197, 45752), (199, 45746), (201, 45719), (203, 45704), (208, 45662), (213, 45614), (216, 45584), (221, 45557), (255, 45431), (257, 45425), (260, 45398), (271, 45356), (272, 45353), (277, 45338), (279, 45332), (292, 45278), (297, 45269), (346, 45041), (355, 45005),

Gene: Xkcd426_57 Start: 50423, Stop: 52258, Start Num: 66

Candidate Starts for Xkcd426_57:

(34, 50267), (54, 50357), (56, 50390), (Start: 66 @50423 has 22 MA's), (94, 50600), (96, 50606), (104, 50663), (113, 50729), (115, 50735), (124, 50795), (133, 50867), (139, 50918), (143, 50951), (145, 50978), (150, 51008), (174, 51176), (177, 51203), (181, 51221), (198, 51332), (199, 51335), (208, 51419), (267, 51788), (313, 51986), (314, 51992), (319, 52016), (342, 52145), (351, 52193),

Gene: YDN12_54 Start: 43749, Stop: 45587, Start Num: 68

Candidate Starts for YDN12_54:

(Start: 68 @43749 has 10 MA's), (82, 43830), (84, 43836), (86, 43863), (94, 43923), (103, 43983), (115, 44058), (117, 44067), (121, 44103), (127, 44127), (133, 44190), (137, 44214), (139, 44241), (143, 44274), (145, 44301), (155, 44349), (158, 44379), (174, 44499), (175, 44508), (177, 44526), (198, 44655), (199, 44658), (202, 44697), (208, 44742), (209, 44745), (219, 44835), (267, 45111), (269, 45117), (274, 45138), (314, 45318), (321, 45354), (326, 45369), (342, 45471), (351, 45519), (354, 45528),

Gene: Yago84_45 Start: 40488, Stop: 38827, Start Num: 62

Candidate Starts for Yago84_45:

(Start: 62 @40488 has 10 MA's), (78, 40422), (84, 40380), (Start: 95 @40302 has 1 MA's), (96, 40299), (100, 40266), (110, 40209), (135, 40023), (137, 40002), (153, 39882), (163, 39801), (166, 39780), (170, 39762), (171, 39741), (173, 39735), (189, 39642), (198, 39576), (199, 39573), (201, 39546), (203, 39531), (208, 39489), (216, 39411), (225, 39363), (288, 39129), (293, 39120), (315, 39060), (316, 39057), (324, 39018), (340, 38934), (346, 38898),

Gene: Yahalom_51 Start: 47169, Stop: 45472, Start Num: 59

Candidate Starts for Yahalom_51:

(Start: 59 @47169 has 33 MA's), (Start: 95 @46971 has 1 MA's), (100, 46935), (110, 46878), (118, 46821), (124, 46779), (126, 46773), (131, 46716), (136, 46689), (137, 46671), (148, 46566), (161, 46476), (163, 46464), (166, 46443), (173, 46398), (183, 46335), (194, 46251), (198, 46236), (199, 46233), (200, 46230), (201, 46206), (204, 46188), (208, 46149), (213, 46101), (216, 46071), (220, 46047), (227, 46005), (253, 45927), (259, 45900), (268, 45849), (277, 45825), (292, 45777), (307, 45738), (319, 45696), (338, 45591), (346, 45549), (349, 45534),

Gene: Yinz_52 Start: 47014, Stop: 45317, Start Num: 59

Candidate Starts for Yinz_52:

(Start: 59 @47014 has 33 MA's), (Start: 95 @46816 has 1 MA's), (100, 46780), (110, 46723), (118, 46666), (124, 46624), (126, 46618), (131, 46561), (136, 46534), (137, 46516), (148, 46411), (161, 46321), (163, 46309), (166, 46288), (173, 46243), (183, 46180), (194, 46096), (198, 46081), (199, 46078), (200, 46075), (201, 46051), (204, 46033), (208, 45994), (213, 45946), (216, 45916), (220, 45892), (227, 45850), (253, 45772), (259, 45745), (268, 45694), (277, 45670), (292, 45622), (307, 45583), (319, 45541), (338, 45436), (341, 45421), (346, 45394), (349, 45379),

Gene: Yoshand_53 Start: 47202, Stop: 45406, Start Num: 39

Candidate Starts for Yoshand_53:

(Start: 39 @47202 has 104 MA's), (Start: 64 @47109 has 144 MA's), (Start: 74 @47085 has 11 MA's), (Start: 79 @47028 has 1 MA's), (Start: 81 @47019 has 2 MA's), (96, 46929), (100, 46896), (110, 46839), (112, 46827), (114, 46803), (117, 46791), (118, 46782), (128, 46722), (137, 46632), (141, 46587), (148, 46527), (163, 46425), (166, 46404), (188, 46272), (197, 46203), (199, 46197), (201, 46170), (203, 46155), (208, 46113), (213, 46065), (216, 46035), (221, 46008), (255, 45882), (257, 45876), (260, 45849), (271, 45807), (272, 45804), (277, 45789), (279, 45783), (292, 45729), (297, 45720), (346, 45492), (355, 45456),

Gene: YouGoGlencoco_52 Start: 46948, Stop: 45245, Start Num: 64

Candidate Starts for YouGoGlencoco_52:

(Start: 39 @47041 has 104 MA's), (Start: 64 @46948 has 144 MA's), (Start: 74 @46924 has 11 MA's), (Start: 79 @46867 has 1 MA's), (Start: 81 @46858 has 2 MA's), (96, 46768), (100, 46735), (110, 46678), (112, 46666), (114, 46642), (117, 46630), (118, 46621), (128, 46561), (137, 46471), (141, 46426), (148, 46366), (157, 46312), (163, 46264), (166, 46243), (188, 46111), (197, 46042), (199, 46036), (201, 46009), (203, 45994), (208, 45952), (213, 45904), (216, 45874), (221, 45847), (255, 45721), (257, 45715), (260, 45688), (272, 45643), (277, 45628), (279, 45622), (292, 45568), (297, 45559), (346, 45331), (355, 45295),

Gene: Zaider_53 Start: 47178, Stop: 45475, Start Num: 63

Candidate Starts for Zaider_53:

(13, 47511), (15, 47484), (Start: 63 @47178 has 65 MA's), (Start: 74 @47154 has 11 MA's), (Start: 79 @47097 has 1 MA's), (Start: 81 @47088 has 2 MA's), (96, 46998), (100, 46965), (110, 46908), (112, 46896), (114, 46872), (117, 46860), (118, 46851), (128, 46791), (137, 46701), (141, 46656), (148, 46596), (157, 46542), (163, 46494), (166, 46473), (188, 46341), (197, 46272), (199, 46266), (201, 46239), (203, 46224), (208, 46182), (213, 46134), (216, 46104), (221, 46077), (255, 45951), (257, 45945), (260, 45918), (272, 45873), (277, 45858), (279, 45852), (292, 45798), (297, 45789), (346, 45561), (355, 45525),

Gene: Zelda_52 Start: 46995, Stop: 45292, Start Num: 63

Candidate Starts for Zelda_52:

(Start: 63 @46995 has 65 MA's), (Start: 74 @46971 has 11 MA's), (Start: 79 @46914 has 1 MA's), (Start: 81 @46905 has 2 MA's), (96, 46815), (100, 46782), (110, 46725), (112, 46713), (114, 46689), (117, 46677), (118, 46668), (128, 46608), (137, 46518), (141, 46473), (148, 46413), (157, 46359), (163, 46311), (166, 46290), (188, 46158), (197, 46089), (199, 46083), (201, 46056), (203, 46041), (208, 45999), (213, 45951), (216, 45921), (221, 45894), (255, 45768), (257, 45762), (260, 45735), (272, 45690), (277, 45675), (279, 45669), (292, 45615), (297, 45606), (346, 45378), (355, 45342),

Gene: Zemanar_48 Start: 47409, Stop: 45700, Start Num: 64

Candidate Starts for Zemanar_48:

(Start: 64 @47409 has 144 MA's), (94, 47226), (100, 47187), (103, 47166), (114, 47097), (128, 47016), (135, 46947), (137, 46926), (148, 46827), (153, 46806), (157, 46773), (159, 46764), (162, 46728), (163, 46725), (167, 46701), (184, 46590), (186, 46584), (188, 46572), (197, 46503), (199, 46497), (201, 46470), (202, 46458), (203, 46455), (208, 46413), (213, 46365), (216, 46335), (226, 46284), (250, 46203), (254, 46188), (255, 46182), (256, 46179), (261, 46146), (262, 46140), (264, 46131), (271, 46104), (276, 46089), (277, 46086), (281, 46077), (285, 46059), (289, 46032), (297, 46011), (322, 45900), (346, 45777), (356, 45738),

Gene: Zenteno07_56 Start: 46944, Stop: 45178, Start Num: 68

Candidate Starts for Zenteno07_56:

(Start: 42 @47031 has 1 MA's), (Start: 68 @46944 has 10 MA's), (96, 46764), (100, 46731), (135, 46488), (137, 46467), (141, 46428), (148, 46368), (149, 46365), (153, 46347), (163, 46266), (167, 46242), (186, 46125), (199, 46038), (201, 46011), (202, 45999), (203, 45996), (208, 45954), (213, 45906), (216, 45876), (221, 45849), (226, 45825), (255, 45672), (258, 45657), (310, 45462), (311, 45453), (316, 45435), (325, 45393), (346, 45279), (357, 45237),

Gene: Zonia_52 Start: 46941, Stop: 45262, Start Num: 74

Candidate Starts for Zonia_52:

(Start: 39 @47058 has 104 MA's), (Start: 64 @46965 has 144 MA's), (Start: 74 @46941 has 11 MA's), (Start: 79 @46884 has 1 MA's), (Start: 81 @46875 has 2 MA's), (96, 46785), (100, 46752), (110, 46695), (112, 46683), (114, 46659), (117, 46647), (118, 46638), (128, 46578), (137, 46488), (141, 46443), (148, 46383), (157, 46329), (163, 46281), (166, 46260), (188, 46128), (197, 46059), (199, 46053), (201, 46026), (203, 46011), (208, 45969), (213, 45921), (216, 45891), (221, 45864), (255, 45738), (257, 45732), (260, 45705), (272, 45660), (277, 45645), (279, 45639), (292, 45585), (297, 45576), (346, 45348), (355, 45312),