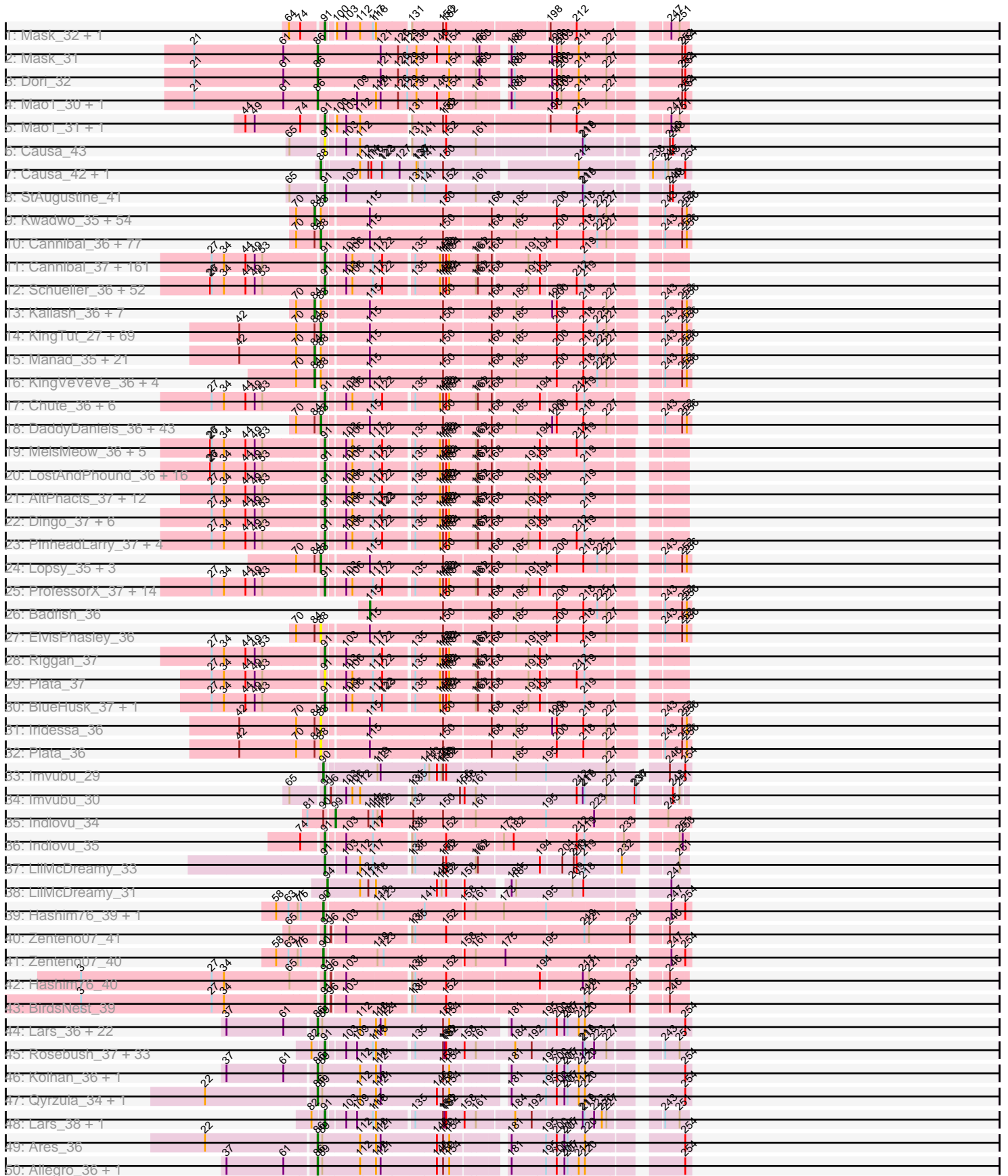
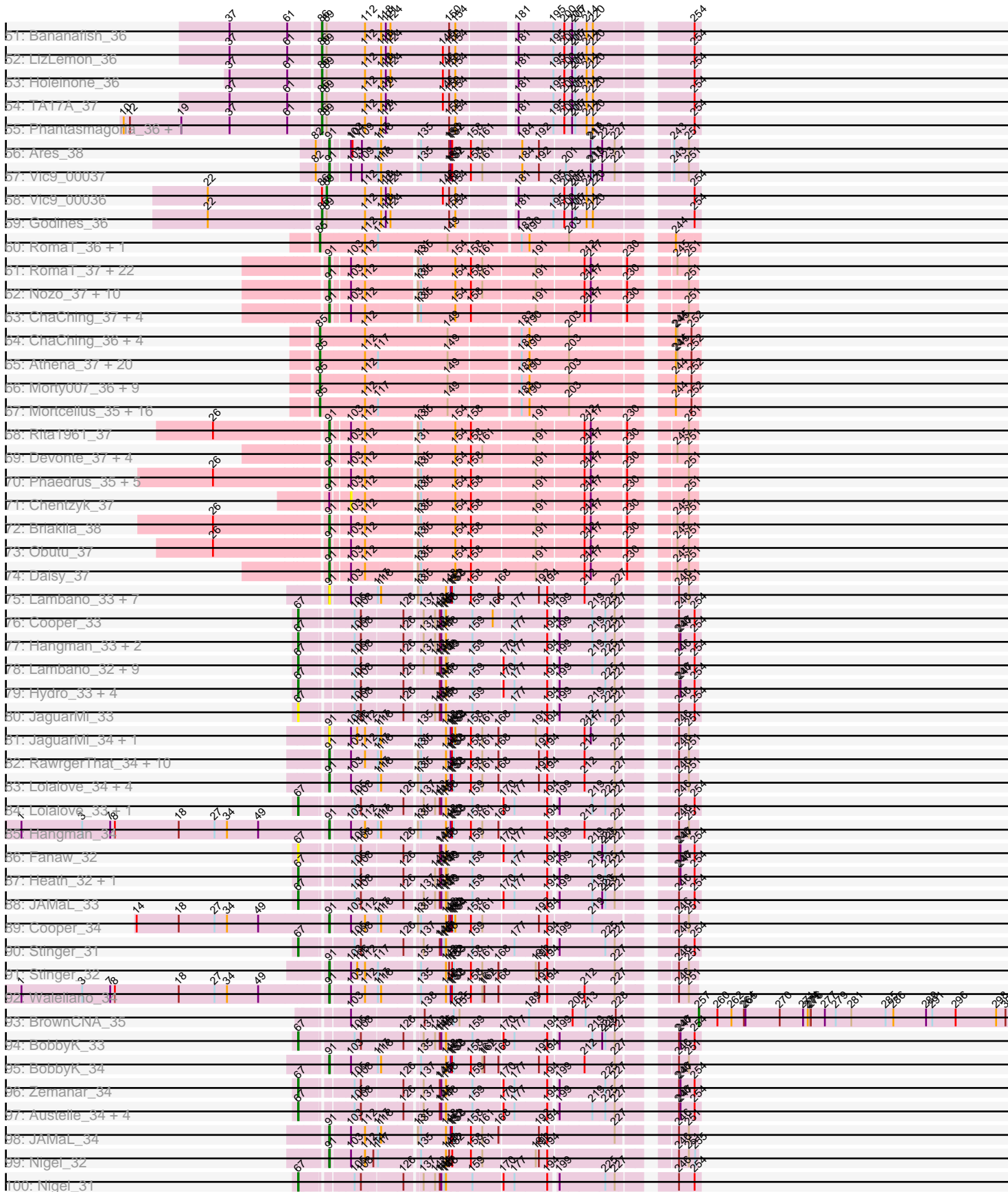


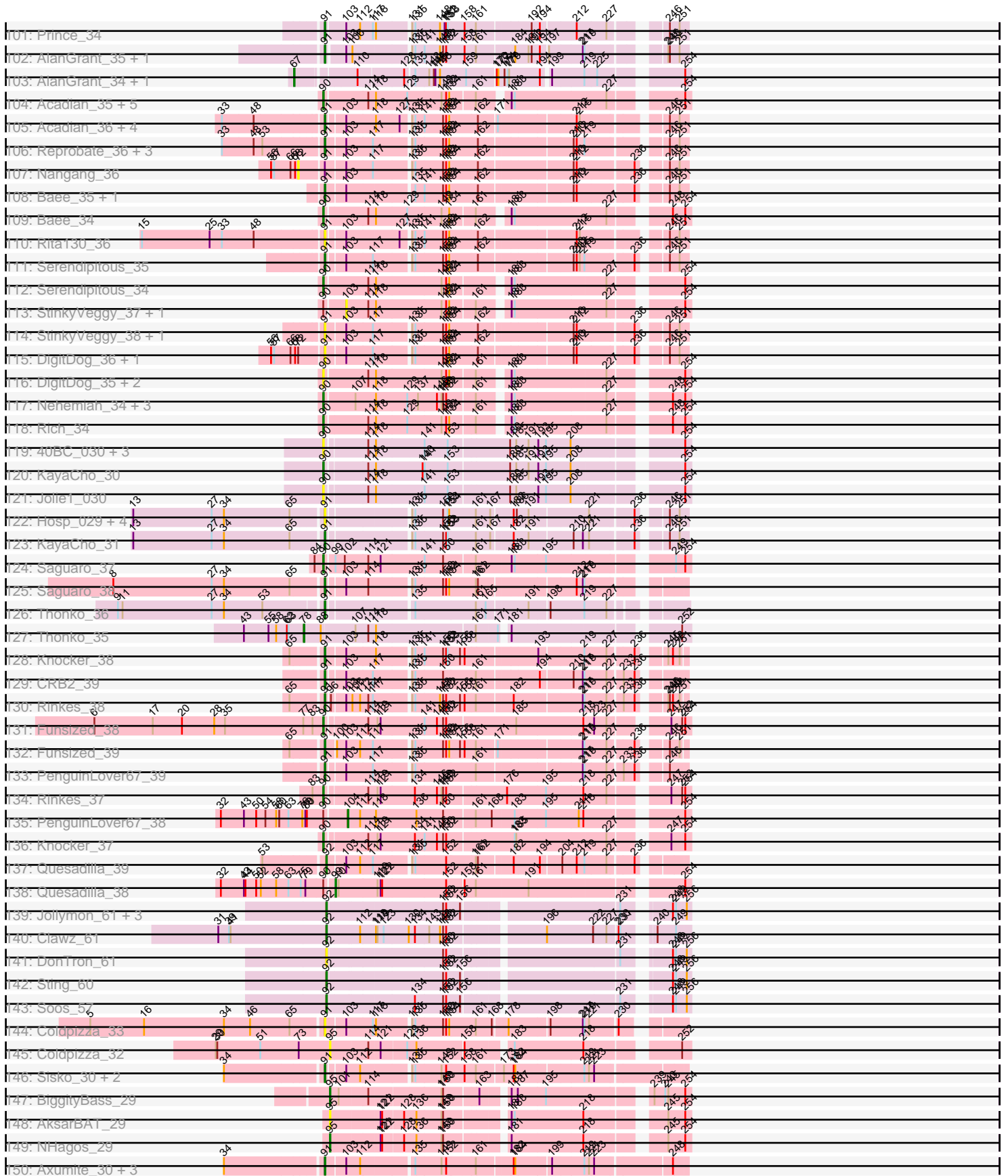
Pham 224120



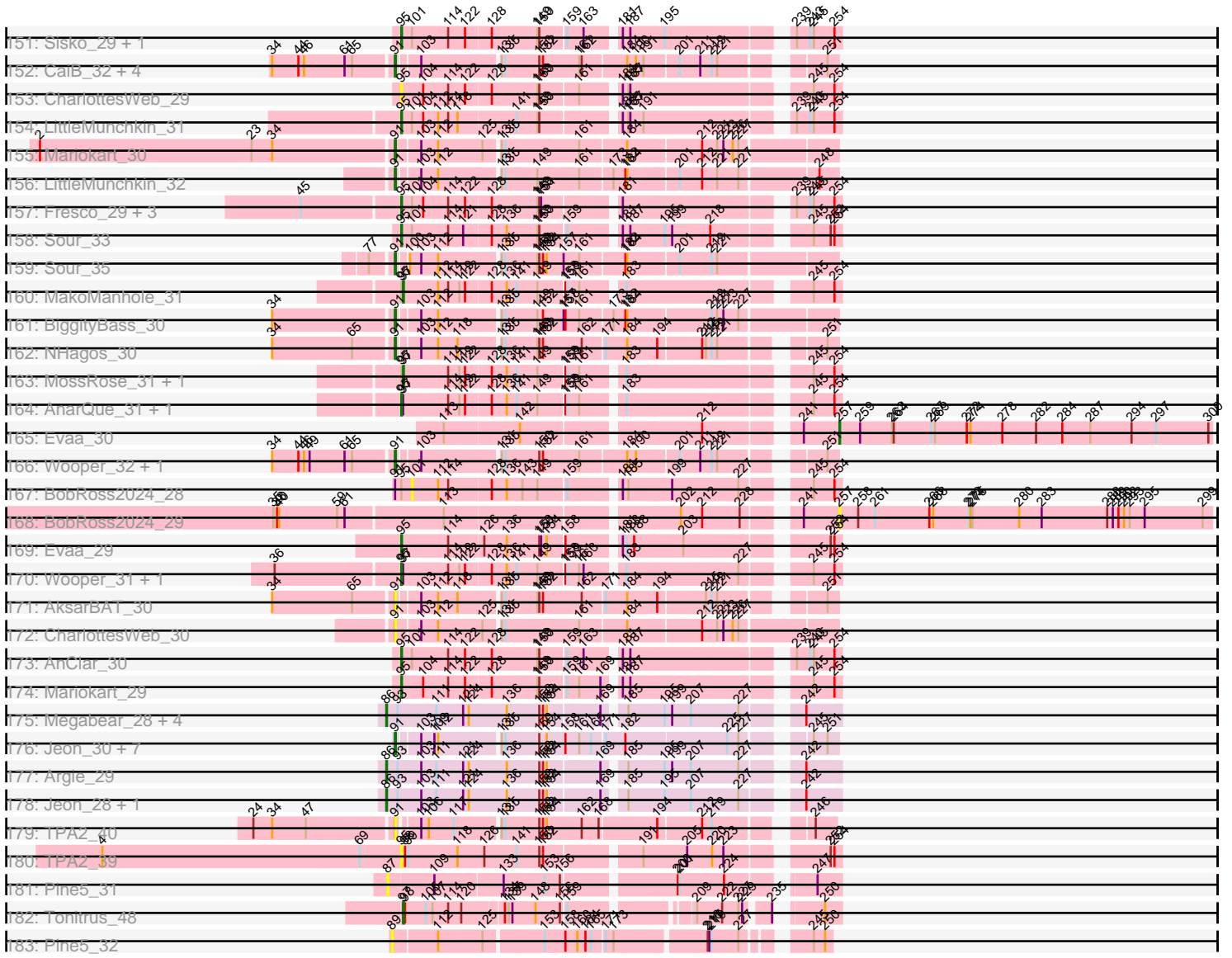
Pham 224120



Pham 224120



Pham 224120



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 224120 Report

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

Pham number 224120 has 1003 members, 146 are drafts.

Phages represented in each track:

- Track 1 : Mask_32, Dori_33
- Track 2 : Mask_31
- Track 3 : Dori_32
- Track 4 : Mao1_30, Sejanus_31
- Track 5 : Mao1_31, Sejanus_32
- Track 6 : Causa_43
- Track 7 : Causa_42, StAugustine_40
- Track 8 : StAugustine_41
- Track 9 : Kwadwo_35, Mana_35, Fang_36, Swish_36, IsaacEli_36, Scoot17C_36, Lasso_36, Mesh1_36, UAch1_36, MitKao_36, TomBombadil_36, Xavier_35, FriarPreacher_36, PinheadLarry_36, Harvey_36, Vortex_36, Chah_37, Hertubise_36, QueenBeane_36, Held_36, Chunky_36, Vaticameos_36, YouGoGlencoco_36, Cosmolli16_35, Gyarad_0036, LuckyMarjie_35, TallGrassMM_36, Mosaic_35, Piglet_0035, Megatron_36, JacAttac_36, OSmaximus_36, Puhltonio_36, Dione_35, UncleHowie_36, Squid_36, Daffy_36, Phamished_36, Vista_36, ABU_36, FluffyNinja_36, Serendipity_36, Serpentine_0036, Murdoc_36, Haimas_36, Sophia_35, Nicole21_36, Surely_36, ThreeOh3D2_36, Kikipoo_36, CamL_36, Yoshand_36, Magic8_36, Gareth_35, Waterdiva_36
- Track 10 : Cannibal_36, Schueller_35, Morgushi_36, Freya_35, Olak_35, Childish_35, BlackStallion_36, Mcshane_35, LostAndPhound_35, Mecca_35, Samaymay_36, Haleema_35, Timmi_35, Bishoperium_35, Orion_36, Potter_35, PhrodoBaggins_35, Phareon_36, Pacifista_35, Gwilliam_36, Fozzie_35, Omniscient_36, Banjo_35, Iridoclysis_36, AngelCake_35, Adriana_36, Lego3393_36, Kimbrough_36, Lumine_35, LeeLot_36, Oosterbaan_36, Matalotodo_36, Sigman_36, LeiMonet_36, Inverness_36, Eugenia_36, LemonSlice_36, DonSanchon_35, Nathan_37, Thora_36, HighStump_35, Dice_35, Cher_35, Boehler_36, Pherdinand_36, Katniss_36, Squiggle_36, True_35, Newman_36, PhatCats2014_36, Simielle_35, Morty_36, PG1_36, Phunky_36, Legolas_35, Mesmerelda_36, Toni_35, Hetaeria_36, Hamish_36, Mutante_35, Orfeu_35, Placalicious_35, Jesabah_36, DelRivs_35, Gwennie1_36, SassyCat97_35, Chorkpop_36, Solosis_35, Scrick_36, Maru_35, Inchworm_36, Selr12_36, Ricotta_35, Soile_36, Mulan_35, FugateOSU_35, MRabcd_35, Chipette_37
- Track 11 : Cannibal_37, KingTut_28, Manad_36, Mana_36, Morgushi_37, IsaacEli_37, Freya_36, Olak_36, Scoot17C_37, BlackStallion_37, Waterdiva_37, Puhltonio_37, Lasso_37, Mcshane_36, UAch1_37, Mecca_36, Lumine_36, Samaymay_37, Schadenfreude_36, Haleema_36, Scrick_37, Timmi_36, TomBombadil_37, Bishoperium_36, Craff_37, Phipps_37, Kahve_36, Altwerkus_36,

Lulwa_37, PhrodoBaggins_36, Megatron_37, FriarPreacher_37, LeeLot_37, Kwadwo_36, Murdoc_37, Podrick_37, Bluephacebaby_36, Antonia_36, Lopsy_36, Harvey_37, Anderson_37, SassyCat97_36, Vortex_37, Chah_38, Hertubise_37, RedMaple_36, Telesworld_36, QueenBeane_37, Fozzie_36, Banjo_36, Fang_37, Phareon_37, Iridoclysis_37, Badfish_37, Fringe_37, Adriana_37, Lego3393_37, Giraffe_37, Kimbrough_37, Oosterbaan_37, Pops_37, Nyala_36, Colbert_37, Matalotodo_37, Sigman_37, SilverBell_37, Pacifista_36, YouGoGlencoco_37, Zelda_37, Cosmolli16_36, LemonSlice_37, Usavi_37, DonSanchon_36, Legolas_36, Thora_37, Mesh1_37, Eremos_37, Apizium_36, Beaglebox_36, Daka_37, Dice_36, Cher_36, Carthage_35, JacAttac_37, OSmaximus_37, Dione_36, Eugenia_37, Daffy_37, Skippy_37, Katniss_37, Squiggle_37, Plmatters_37, True_36, PG1_37, Gophee_37, Kloppinator_37, PhatCats2014_37, HenryJackson_36, Squid_37, Morty_37, Nathan_38, CamL_37, Phunky_37, Cornobble_36, FugateOSU_36, ABU_37, Numberten_37, Vaishali24_36, Tooj_37, Hamish_37, LuckyMarjie_36, Mesmerelda_37, HighStump_36, Vivaldi_37, Mutante_36, Orfeu_36, Serendipity_37, Andre_37, TallGrassMM_37, CharlieGBrown_36, Placalicious_36, Haimas_37, Suffolk_37, Xavier_36, Jillium_36, Sophia_36, Grand2040_36, Surely_37, Slatt_37, Vista_37, Jesabah_37, Solosis_36, Virapocalypse_37, Maru_36, ThreeOh3D2_37, Kikipoo_37, FluffyNinja_37, Hetaeria_37, Aelin_36, Burr_36, Yoshand_37, Selr12_37, UncleHowie_37, Childish_36, Ricotta_36, Prickles_37, Pherdinand_37, Riverton_36, JangoPhett_37, Boehler_37, Phamished_37, DoesntMatter_37, KLucky39_37, Pipsqueak_37, Zaider_38, Buckeye_37, Swish_37, Omniscient_37, Gareth_36, Quisquiliae_37, Robyn_36, Orion_37

- Track 12 : Schueller_36, Kailash_37, BatteryCK_36, DaddyDaniels_37, Durga_37, Ashraf_36, Emiris_37, Jiraiya_36, Cobra_37, JDog_36, Etaye_37, Doddsville_37, Kwksand96_36, CampRoach_37, GeneCoco_37, Brilliant_37, Jiminy_36, Iridessa_37, Longacauda_36, Caspiboi_38, Hartsy_37, Hocus_36, Veritas_36, Swiphy_38, Trypo_37, JakeO_36, Struggle_36, Pinkman_36, Cornbread_37, ImtiyazSitla_36, PhatLouie_37, PhrankReynolds_36, Khan1_37, Labeouficaum_36, DelRivs_36, Gwennie1_37, PhenghisKhan_36, Rimu_38, DuchessDung_35, Phleuron_36, Phergie_36, MrPhizzler_36, Mag7_36, Soile_37, Maskar_36, Derpp_36, TyrionL_36, Zonia_37, Thunderbird_36, LasagnaCat_37, MichaelPhcott_36, Wallhey_36, Duggie_36

- Track 13 : Kailash_36, Cobra_36, GeneCoco_36, Derpp_35, Wallhey_35, Hocus_35, TyrionL_35, MichaelPhcott_35

- Track 14 : KingTut_27, Chute_35, Sheila_36, Basato_37, Aelin_35, Lulumae_35, AltPhacts_36, Phipps_36, Lulwa_36, CheetO_36, Dingo_36, HenryJackson_35, Podrick_36, Beaglebox_35, Robyn_35, Bluephacebaby_35, ProfessorX_36, Chaelin_36, Anderson_36, Tomlarah_36, Charles1_36, RedMaple_35, SirBeauregard_36, Pops_36, DirtJuice_36, Nyala_35, Kahve_35, SilverBell_36, Zelda_36, Frankicide_36, Schadenfreude_35, Skippy_36, Coletti_35, Plmatters_36, Megamind20_36, Soto_36, Zaider_37, Roscoe_37, Cornobble_35, Fringe_36, Numberten_36, Vaishali24_35, BlueHusk_36, TooFast2Furius_37, OliverWalter_36, Windsor_35, Kloppinator_36, Virgeve_35, HSavage_36, Andre_36, Roy17_36, KlimbOn_36, Suffolk_36, Mikota_36, Slatt_36, Virapocalypse_36, Crownjwl_36, Burr_35, Valjean_36, Olive_36, Quisquiliae_36, MiniBoss_36, Prickles_36, Riverton_35, Orwigg_35, Horchata_36, DoesntMatter_36, Gophee_36, Pipsqueak_36, Buckeye_36

- Track 15 : Manad_35, Riggan_36, Craff_36, ShiVal_36, Roliet_36, Telesworld_35, EmpTee_36, Apizium_35, Altwerkus_35, Carthage_34, Antonia_35, JakeO_35, Keitherie_36, Vivaldi_36, Nacho_0036, CharlieGBrown_35, JangoPhett_36, Spartan300_36, Jillium_35, KLucky39_36, AbsoluteMadLad_35, SDcharge11_36

- Track 16 : KingVeVeVe_36, Colbert_36, Eremos_36, Daka_36, Grand2040_35

- Track 17 : Chute_36, Chaelin_37, SirBeauregard_37, Coletti_36, Windsor_36, Keitherie_37, Virgeve_36
- Track 18 : DaddyDaniels_36, Durga_36, MelsMeow_35, Emiris_36, Kwksand96_35, CampRoach_36, Brilliant_36, Jiminy_35, Longacauda_35, Mag7_35, Hartsy_36, Caspiboi_37, LasagnaCat_36, Rimu_37, Veritas_35, Swiphy_37, Etaye_36, Doddsville_36, Trypo_36, Struggle_35, Weher20_36, Pinkman_35, Cornbread_36, PhrankReynolds_35, Melc17_36, Khan1_36, Labeouficaum_35, Jiraiya_35, Phergie_35, PhenghisKhan_35, Ashraf_35, DuchessDung_34, Phleuron_35, Dati_36, MrPhizzler_35, BatteryCK_35, Oline_35, Maskar_35, ImtiyazSitla_35, PhatLouie_36, Zonia_36, Thunderbird_35, Duggie_35, JDog_35
- Track 19 : MelsMeow_36, ElvisPhasley_37, Weher20_37, Melc17_37, Dati_37, Oline_36
- Track 20 : LostAndPhound_36, Potter_36, Held_37, Chunky_37, LeiMonet_37, Inverness_37, Gyrad_0037, Gwilliam_37, Newman_37, Piglet_0036, MRabcd_36, Mosaic_36, MitKao_37, Serpentine_0037, Chorkpop_37, Mulan_36, Chipette_38
- Track 21 : AltPhacts_37, Roliet_37, KingVeVeVe_37, Horchata_37, Frankicide_37, Soto_37, TooFast2Furius_38, Nacho_0037, Crownjwl_37, HSavage_37, DirtJuice_37, KlimbOn_37, SDcharge11_37
- Track 22 : Dingo_37, CheetO_37, Basato_38, Sheila_37, OliverWalter_37, Mikota_37, AbsoluteMadLad_36
- Track 23 : PinheadLarry_37, AngelCake_36, Nicole21_37, Inchworm_37, Magic8_37
- Track 24 : Lopsy_35, Tooj_36, Giraffe_36, Usavi_36
- Track 25 : ProfessorX_37, Tomlarah_37, Megamind20_37, EmpTee_37, ShiVal_37, Charles1_37, Simielle_36, Roscoe_38, Toni_36, Lulumae_36, Roy17_37, Spartan300_37, Valjean_37, Olive_37, Orwig_36
- Track 26 : Badfish_36
- Track 27 : ElvisPhasley_36
- Track 28 : Riggan_37
- Track 29 : Plata_37
- Track 30 : BlueHusk_37, MiniBoss_37
- Track 31 : Iridessa_36
- Track 32 : Plata_36
- Track 33 : Imvubu_29
- Track 34 : Imvubu_30
- Track 35 : Indlovu_34
- Track 36 : Indlovu_35
- Track 37 : LilMcDreamy_33
- Track 38 : LilMcDreamy_31
- Track 39 : Hashim76_39, BirdsNest_38
- Track 40 : Zenteno07_41
- Track 41 : Zenteno07_40
- Track 42 : Hashim76_40
- Track 43 : BirdsNest_39
- Track 44 : Lars_36, Rosebush_36, Kaleb_36, West99_36, PrinceCharming_36, Coffee_36, Glass_36, LilSmirk_36, Sabella_36, Boyle_36, Kheth_36, Hedgerow_36, Opia_36, Blocker23_36, Arbiter_36, ItsyBitsy1_36, Lephleur_36, Tres_36, FrenchFry_36, Calamitous_36, Rhinoforte_36, Tinciduntolum_37, Brownie5_36
- Track 45 : Rosebush_37, Kaleb_38, Kolhan_38, Qyrzula_35, Glass_38, Holeinone_38, Opia_38, Allegro_38, Sabella_37, Bananafish_38, Boyle_38, Eaglehorse_38, Hedgerow_38, Coffee_38, Blocker23_38, ItsyBitsy1_38, Arbiter_37, TA17A_39, West99_38, MasterPo_38, Lephleur_38, FrenchFry_38, Calamitous_38, Rhinoforte_38, Phantasmagoria_38, Laurie_37, LilSmirk_38, Tinciduntolum_39,

PrinceCharming_38, Tres_38, Faze9_37, Godines_38, Kheth_38, Brownie5_38

- Track 46 : Kolhan_36, MasterPo_36
- Track 47 : Qyrzula_34, Laurie_36
- Track 48 : Lars_38, LizLemon_38
- Track 49 : Ares_36
- Track 50 : Allegro_36, Eaglehorse_36
- Track 51 : Bananafish_36
- Track 52 : LizLemon_36
- Track 53 : Holeinone_36
- Track 54 : TA17A_37
- Track 55 : Phantasmagoria_36, Faze9_36
- Track 56 : Ares_38
- Track 57 : Vic9_00037
- Track 58 : Vic9_00036
- Track 59 : Godines_36
- Track 60 : RomaT_36, Daisy_36
- Track 61 : RomaT_37, Jackstina_34, Gervas_37, Phlyer_37, Mortcellus_36, Yahalom_37, SlippinJimmy_37, Casbah_36, Marley1013_37, TinyTerror_37, Audrey_37, MmasiCarm_37, Morty007_37, Shenandoah_37, Philly_36, Kronus_36, Pipefish_39, LestyG_37, Compostia_38, Bernardo_37, Corofin_37, Ben11_36, Chalmers_37
- Track 62 : Nozo_37, Glubnar_37, Phayeta_38, Tydolla_37, Heathcliff_37, GlenHope_38, Deenasa_37, Baloo_37, SwainyDoc_37, Neos5_37, OrangeOswald_37
- Track 63 : ChaChing_37, Athena_38, Olivio_36, Marlia_37, Halfpint_36
- Track 64 : ChaChing_36, Olivio_35, Chentzyk_35, MmasiCarm_36, Halfpint_35
- Track 65 : Athena_37, Gervas_36, Tydolla_36, Heathcliff_36, Devonte_36, Audrey_36, TinyTerror_36, Chandler_36, LestyG_36, Abinghost_36, Deenasa_36, Shenandoah_36, Baloo_36, RagingRooster_36, Corofin_36, SynergyX_36, Neos5_36, Bernardo_36, SwainyDoc_36, OrangeOswald_36, Nozo_36
- Track 66 : Morty007_36, Glubnar_36, Marley1013_36, Phaedrus_34, Phayeta_37, Akoma_36, Gadget_37, Kamiyu_36, HarveySr_36, Yinz_36
- Track 67 : Mortcellus_35, SlippinJimmy_36, Casbah_35, Phlyer_36, GlenHope_37, Obutu_36, Compostia_37, Pipefish_38, Marlia_36, Jackstina_33, Briakila_37, Ben11_35, Chalmers_36, Philly_35, Kronus_35, Rita1961_36, Yahalom_36
- Track 68 : Rita1961_37
- Track 69 : Devonte_37, Abinghost_37, RagingRooster_37, Chandler_37, SynergyX_37
- Track 70 : Phaedrus_35, Akoma_37, Gadget_38, Yinz_37, Kamiyu_37, HarveySr_37
- Track 71 : Chentzyk_37
- Track 72 : Briakila_38
- Track 73 : Obutu_37
- Track 74 : Daisy_37
- Track 75 : Lambano_33, GinPorsche_33, Antihero_33, Ahwei_33, Nanao_33, Hally898_33, Epah_33, Poster_33
- Track 76 : Cooper_33
- Track 77 : Hangman_33, Waleliano_33, BrownCNA_34
- Track 78 : Lambano_32, GinPorsche_32, Prince_33, Antihero_32, Ahwei_32, Nanao_32, ChrisnMich_32, Hally898_32, Epah_32, Poster_32
- Track 79 : Hydro_33, Mithril_33, RawrgerThat_33, VioletZ_33, Fortunato_33
- Track 80 : JaguarMi_33
- Track 81 : JaguarMi_34, Xincheng_33

- Track 82 : RawrgerThat_34, Mithril_34, Fortunato_34, Hydro_34, Austelle_35, Zemanar_35, VioletZ_34, Apex_34, Magpie_33, Mudslide_34, Frederick_34
- Track 83 : Lolalove_34, Fanaw_33, Heath_33, QueenPie_33, ChrisnMich_33
- Track 84 : Lolalove_33, Xincheng_32
- Track 85 : Hangman_34
- Track 86 : Fanaw_32
- Track 87 : Heath_32, QueenPie_32
- Track 88 : JAMaL_33
- Track 89 : Cooper_34
- Track 90 : Stinger_31
- Track 91 : Stinger_32
- Track 92 : Waleliano_34
- Track 93 : BrownCNA_35
- Track 94 : BobbyK_33
- Track 95 : BobbyK_34
- Track 96 : Zemanar_34
- Track 97 : Austelle_34, Magpie_32, Apex_33, Mudslide_33, Frederick_33
- Track 98 : JAMaL_34
- Track 99 : Nigel_32
- Track 100 : Nigel_31
- Track 101 : Prince_34
- Track 102 : AlanGrant_35, Vincenzo_35
- Track 103 : AlanGrant_34, Vincenzo_34
- Track 104 : Acadian_35, Rita130_35, Suigeneris_35, SirJeffery_35, EastView9101_34, Donny_35
- Track 105 : Acadian_36, EastView9101_35, Donny_36, Suigeneris_36, SirJeffery_36
- Track 106 : Reprobate_36, Nehemiah_36, Phelemich_36, Mysterious_38
- Track 107 : Nangang_36
- Track 108 : Bae_35, Rich_35
- Track 109 : Bae_34
- Track 110 : Rita130_36
- Track 111 : Serendipitous_35
- Track 112 : Serendipitous_34
- Track 113 : StinkyVeggy_37, KarasumaRum_37
- Track 114 : StinkyVeggy_38, KarasumaRum_38
- Track 115 : DigitDog_36, Shenyu_36
- Track 116 : DigitDog_35, Nangang_35, Shenyu_35
- Track 117 : Nehemiah_34, Phelemich_35, Mysterious_36, Reprobate_35
- Track 118 : Rich_34
- Track 119 : 40BC_030, ForDig_31, Hosp_028, 39HC_030
- Track 120 : KayaCho_30
- Track 121 : Jolie1_030
- Track 122 : Hosp_029, 39HC_031, ForDig_32, Jolie1_031, 40BC_031
- Track 123 : KayaCho_31
- Track 124 : Saguaro_37
- Track 125 : Saguaro_38
- Track 126 : Thonko_36
- Track 127 : Thonko_35
- Track 128 : Knocker_38
- Track 129 : CRB2_39
- Track 130 : Rinkes_38
- Track 131 : Funsized_38

- Track 132 : Funsized_39
- Track 133 : PenguinLover67_39
- Track 134 : Rinkes_37
- Track 135 : PenguinLover67_38
- Track 136 : Knocker_37
- Track 137 : Quesadilla_39
- Track 138 : Quesadilla_38
- Track 139 : Jollymon_61, KingstonB_62, ColdSoup_62, Amo99_62
- Track 140 : Clawz_61
- Track 141 : DonTron_61
- Track 142 : Sting_60
- Track 143 : Soos_57
- Track 144 : Coldpizza_33
- Track 145 : Coldpizza_32
- Track 146 : Sisko_30, Yago84_30, AnClar_31
- Track 147 : BiggityBass_29
- Track 148 : AksarBAT_29
- Track 149 : NHagos_29
- Track 150 : Axumite_30, Ligma_30, Fresco_30, Shatter_30
- Track 151 : Sisko_29, Yago84_29
- Track 152 : CaiB_32, MossRose_32, AnarQue_32, CloverMinnie_32, MakoManhole_32
- Track 153 : CharlottesWeb_29
- Track 154 : LittleMunchkin_31
- Track 155 : Mariokart_30
- Track 156 : LittleMunchkin_32
- Track 157 : Fresco_29, Axumite_29, Shatter_29, Ligma_29
- Track 158 : Sour_33
- Track 159 : Sour_35
- Track 160 : MakoManhole_31
- Track 161 : BiggityBass_30
- Track 162 : NHagos_30
- Track 163 : MossRose_31, CaiB_31
- Track 164 : AnarQue_31, CloverMinnie_31
- Track 165 : Evaa_30
- Track 166 : Wooper_32, Yeshua_32
- Track 167 : BobRoss2024_28
- Track 168 : BobRoss2024_29
- Track 169 : Evaa_29
- Track 170 : Wooper_31, Yeshua_31
- Track 171 : AksarBAT_30
- Track 172 : CharlottesWeb_30
- Track 173 : AnClar_30
- Track 174 : Mariokart_29
- Track 175 : Megabear_28, D12_28, Cepens_28, PR_28, Taptic_28
- Track 176 : Jeon_30, Argie_31, Cepens_30, GodPhather_31, D12_29, PR_30, Taptic_30, Megabear_30
- Track 177 : Argie_29
- Track 178 : Jeon_28, GodPhather_29
- Track 179 : TPA2_40
- Track 180 : TPA2_39
- Track 181 : Pine5_31
- Track 182 : Tonitrus_48

- Track 183 : Pine5_32

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

The start number called the most often in the published annotations is 91, it was called in 423 of the 857 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 39HC_031, 40BC_031, ABU_37, Abinghost_37, AbsoluteMadLad_36, Acadian_36, Adriana_37, Aelin_36, Ahwei_33, Akoma_37, AksarBAT_30, AlanGrant_35, Allegro_38, AltPhacts_37, Altwerkus_36, AnClar_31, AnarQue_32, Anderson_37, Andre_37, AngelCake_36, Antihero_33, Antonia_36, Apex_34, Apizium_36, Arbiter_37, Ares_38, Argie_31, Ashraf_36, Athena_38, Audrey_37, Austelle_35, Axumite_30, Badfish_37, Bae_35, Baloo_37, Bananafish_38, Banjo_36, Basato_38, BatteryCK_36, Beaglebox_36, Ben11_36, Bernardo_37, BiggityBass_30, BirdsNest_39, Bishoperium_36, BlackStallion_37, Blocker23_38, BlueHusk_37, Bluephacebaby_36, BobbyK_34, Boehler_37, Boyle_38, Briakila_38, Brilliant_37, Brownie5_38, Buckeye_37, Burr_36, CRB2_39, CaiB_32, Calamitous_38, CamL_37, CampRoach_37, Cannibal_37, Carthage_35, Casbah_36, Caspiboi_38, Causa_43, Cepens_30, ChaChing_37, Chaelin_37, Chah_38, Chalmers_37, Chandler_37, Charles1_37, CharlieGBrown_36, CharlottesWeb_30, CheetO_37, Cher_36, Childish_36, Chipette_38, Chorkpop_37, ChrisnMich_33, Chunky_37, Chute_36, CloverMinnie_32, Cobra_37, Coffee_38, Colbert_37, Coldpizza_33, Coletti_36, Compostia_38, Cooper_34, Cornbread_37, Cornobble_36, Corofin_37, Cosmolli16_36, Craff_37, Crownjwl_37, D12_29, DaddyDaniels_37, Daffy_37, Daisy_37, Daka_37, Dati_37, Deenasa_37, DelRivs_36, Derpp_36, Devonte_37, Dice_36, DigitDog_36, Dingo_37, Dione_36, DirtJuice_37, Doddsville_37, DoesntMatter_37, DonSancho_36, Donny_36, Dori_33, DuchessDung_35, Duggie_36, Durga_37, Eaglehorse_38, EastView9101_35, ElvisPhasley_37, Emiris_37, EmpTee_37, Epah_33, Eremos_37, Etaye_37, Eugenia_37, Fanaw_33, Fang_37, Faze9_37, FluffyNinja_37, ForDig_32, Fortunato_34, Fozzie_36, Frankicide_37, Frederick_34, FrenchFry_38, Fresco_30, Freya_36, FriarPreacher_37, Fringe_37, FugateOSU_36, Funsized_39, Gadget_38, Gareth_36, GeneCoco_37, Gervas_37, GinPorsche_33, Giraffe_37, Glass_38, GlenHope_38, Glubnar_37, GodPhather_31, Godines_38, Gophee_37, Grand2040_36, Gwennie1_37, Gwilliam_37, Gyarad_0037, HSavage_37, Haimas_37, Haleema_36, Halfpint_36, Hally898_33, Hamish_37, Hangman_34, Hartsy_37, HarveySr_37, Harvey_37, Hashim76_40, Heath_33, Heathcliff_37, Hedgerow_38, Held_37, HenryJackson_36, Hertubise_37, Hetaeria_37, HighStump_36, Hocus_36, Holeinone_38, Horchata_37, Hosp_029, Hydro_34, ImtiyazSitla_36, Imvubu_30, Inchworm_37, Indlovu_35, Inverness_37, Iridessa_37, Iridoclysis_37, IsaacEli_37, ItsyBitsy1_38, JAMaL_34, JDog_36, JacAttac_37, Jackstina_34, JaguarMi_34, JakeO_36, JangoPhett_37, Jeon_30, Jesabah_37, Jillium_36, Jiminy_36, Jiraiya_36, Jolie1_031, KLucky39_37, Kahve_36, Kailash_37, Kaleb_38, Kamiyu_37, KarasumaRum_38, Katniss_37, KayaCho_31, Keitherie_37, Khan1_37, Kheth_38, Kikipoo_37, Kimbrough_37, KingTut_28, KingVeVeVe_37, KlimbOn_37, Kloppinator_37, Knocker_38, Kolhan_38, Kronus_36, Kwadwo_36, Kwksand96_36, Labeouficaum_36, Lambano_33, Lars_38, LasagnaCat_37, Lasso_37, Laurie_37, LeeLot_37, Lego3393_37, Legolas_36, LeiMonet_37, LemonSlice_37, Lephleur_38, LestyG_37, Ligma_30, LilMcDreamy_33, LilSmirk_38, LittleMunchkin_32,

LizLemon_38, Lolalove_34, Longacauda_36, Lopsy_36, LostAndPhound_36, LuckyMarjie_36, Lulumae_36, Lulwa_37, Lumine_36, MRabcd_36, Mag7_36, Magic8_37, Magpie_33, MakoManhole_32, Mana_36, Manad_36, Mao1_31, Mariokart_30, Marley1013_37, Marlia_37, Maru_36, Mask_32, Maskar_36, MasterPo_38, Matalotodo_37, Mcshane_36, Mecca_36, Megabear_30, Megamind20_37, Megatron_37, Melc17_37, MelsMeow_36, Mesh1_37, Mesmerelda_37, MichaelPhcott_36, Mikota_37, MiniBoss_37, MitKao_37, Mithril_34, MmasiCarm_37, Morgushi_37, Mortcellus_36, Morty007_37, Morty_37, Mosaic_36, MossRose_32, MrPhizzler_36, Mudslide_34, Mulan_36, Murdoc_37, Mutante_36, Mysterious_38, NHagos_30, Nacho_0037, Nanao_33, Nathan_38, Nehemiah_36, Neos5_37, Newman_37, Nicole21_37, Nigel_32, Nozo_37, Numberten_37, Nyala_36, OSmaximus_37, Obutu_37, Olak_36, Oline_36, Olive_37, OliverWalter_37, Olivio_36, Omniscient_37, Oosterbaan_37, Opia_38, OrangeOswald_37, Orfeu_36, Orion_37, Orwigg_36, PG1_37, PR_30, Pacifista_36, PenguinLover67_39, Phaedrus_35, Phamished_37, Phantasmagoria_38, Phareon_37, PhatCats2014_37, PhatLouie_37, Phayeta_38, Phelemich_36, PhenghisKhan_36, Pherdinand_37, Phergie_36, Philly_36, Phipps_37, Phleuron_36, Phlyer_37, PhrankReynolds_36, PhrodoBaggins_36, Phunky_37, Piglet_0036, PinheadLarry_37, Pinkman_36, Pipefish_39, Pipsqueak_37, Placalicious_36, Plata_37, Plmatters_37, Podrick_37, Pops_37, Poster_33, Potter_36, Prickles_37, PrinceCharming_38, Prince_34, ProfessorX_37, Puhltonio_37, QueenBeane_37, QueenPie_33, Quisquiliae_37, Qyrzula_35, RagingRooster_37, RawrgerThat_34, RedMaple_36, Reprobate_36, Rhinoforte_38, Rich_35, Ricotta_36, Riggan_37, Rimu_38, Rinkes_38, Rita130_36, Rita1961_37, Riverton_36, Robyn_36, Roliet_37, RomaT_37, Roscoe_38, Rosebush_37, Roy17_37, SDcharge11_37, Sabella_37, Saguaro_38, Samaymay_37, SassyCat97_36, Schadenfreude_36, Schueller_36, Scoot17C_37, Scrick_37, Sejanus_32, Selr12_37, Serendipitous_35, Serendipity_37, Serpentine_0037, Shatter_30, Sheila_37, Shenandoah_37, Shenyu_36, ShiVal_37, Sigman_37, SilverBell_37, Simielle_36, SirBeauregard_37, SirJeffery_36, Sisko_30, Skippy_37, Slatt_37, SlippinJimmy_37, Soile_37, Solosis_36, Sophia_36, Soto_37, Sour_35, Spartan300_37, Squid_37, Squiggle_37, StAugustine_41, Stinger_32, StinkyVeggy_38, Struggle_36, Suffolk_37, Suigeneris_36, Surely_37, SwainyDoc_37, Swiphy_38, Swish_37, SynergyX_37, TA17A_39, TPA2_40, TallGrassMM_37, Taptic_30, Telesworld_36, Thonko_36, Thora_37, ThreeOh3D2_37, Thunderbird_36, Timmi_36, Tinciduntolum_39, TinyTerror_37, TomBombadil_37, Tomlarah_37, Toni_36, TooFast2Furious_38, Tooj_37, Tres_38, True_36, Trypo_37, Tydolla_37, TyrionL_36, UAch1_37, UncleHowie_37, Usavi_37, Vaishali24_36, Valjean_37, Veritas_36, Vic9_00037, Vincenzo_35, VioletZ_34, Virapocalypse_37, Virgeve_36, Vista_37, Vivaldi_37, Vortex_37, Waleliano_34, Wallhey_36, Waterdiva_37, Weher20_37, West99_38, Windsor_36, Wooper_32, Xavier_36, Xincheng_33, Yago84_30, Yahalom_37, Yeshua_32, Yinz_37, Yoshand_37, YouGoGlencoco_37, Zaider_38, Zelda_37, Zemanar_35, Zenteno07_41, Zonia_37,

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

- BobRoss2024_28, Chentzyk_37, Nangang_36,

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

- 39HC_030, 40BC_030, ABU_36, Abinghost_36, AbsoluteMadLad_35, Acadian_35, Adriana_36, Aelin_35, Ahwei_32, Akoma_36, AksarBAT_29, AlanGrant_34, Allegro_36, AltPhacts_36, Altwerkus_35, Amo99_62, AnClar_30, AnarQue_31, Anderson_36, Andre_36, AngelCake_35, Antihero_32, Antonia_35, Apex_33, Apizium_35, Arbiter_36, Ares_36, Argie_29, Ashraf_35, Athena_37, Audrey_36, Austelle_34, Axumite_29, Badfish_36, Bae_34, Baloo_36, Bananafish_36,

Banjo_35, Basato_37, BatteryCK_35, Beaglebox_35, Ben11_35, Bernardo_36, BiggityBass_29, BirdsNest_38, Bishoperium_35, BlackStallion_36, Blocker23_36, BlueHusk_36, Bluephacebaby_35, BobRoss2024_29, BobbyK_33, Boehler_36, Boyle_36, Briakila_37, Brilliant_36, BrownCNA_34, BrownCNA_35, Brownie5_36, Buckeye_36, Burr_35, CaiB_31, Calamitous_36, CamL_36, CampRoach_36, Cannibal_36, Carthage_34, Casbah_35, Caspiboi_37, Causa_42, Cepens_28, ChaChing_36, Chaelin_36, Chah_37, Chalmers_36, Chandler_36, Charles1_36, CharlieGBrown_35, CharlottesWeb_29, CheetO_36, Chentzyk_35, Cher_35, Childish_35, Chipette_37, Chorkpop_36, ChrisnMich_32, Chunky_36, Chute_35, Clawz_61, CloverMinnie_31, Cobra_36, Coffee_36, Colbert_36, ColdSoup_62, Coldpizza_32, Coletti_35, Compostia_37, Cooper_33, Cornbread_36, Cornobble_35, Corofin_36, Cosmolli16_35, Craff_36, Crownjwl_36, D12_28, DaddyDaniels_36, Daffy_36, Daisy_36, Daka_36, Dati_36, Deenasa_36, DelRivs_35, Derpp_35, Devonte_36, Dice_35, DigitDog_35, Dingo_36, Dione_35, DirtJuice_36, Doddsville_36, DoesntMatter_36, DonSanchon_35, DonTron_61, Donny_35, Dori_32, DuchessDung_34, Duggie_35, Durga_36, Eaglehorse_36, EastView9101_34, ElvisPhasley_36, Emiris_36, EmpTee_36, Epah_32, Eremos_36, Etaye_36, Eugenia_36, Evaa_29, Evaa_30, Fanaw_32, Fang_36, Faze9_36, FluffyNinja_36, ForDig_31, Fortunato_33, Fozzie_35, Frankicide_36, Frederick_33, FrenchFry_36, Fresco_29, Freya_35, FriarPreacher_36, Fringe_36, FugateOSU_35, Funsized_38, Gadget_37, Gareth_35, GeneCoco_36, Gervas_36, GinPorsche_32, Giraffe_36, Glass_36, GlenHope_37, Glubnar_36, GodPhather_29, Godines_36, Gophee_36, Grand2040_35, Gwennie1_36, Gwilliam_36, Gyarad_0036, HSavage_36, Haimas_36, Haleema_35, Halfpint_35, Hally898_32, Hamish_36, Hangman_33, Hartsy_36, HarveySr_36, Harvey_36, Hashim76_39, Heath_32, Heathcliff_36, Hedgerow_36, Held_36, HenryJackson_35, Hertubise_36, Hetaeria_36, HighStump_35, Hocus_35, Holeinone_36, Horchata_36, Hosp_028, Hydro_33, ImtiyazSitla_35, Imvubu_29, Inchworm_36, Indlovu_34, Inverness_36, Iridessa_36, Iridoclysis_36, IsaacEli_36, ItsyBitsy1_36, JAMaL_33, JDog_35, JacAttac_36, Jackstina_33, JaguarMi_33, JakeO_35, JangoPhett_36, Jeon_28, Jesabah_36, Jillium_35, Jiminy_35, Jiraiya_35, Jolie1_030, Jollymon_61, KLucky39_36, Kahve_35, Kailash_36, Kaleb_36, Kamiyu_36, KarasumaRum_37, Katniss_36, KayaCho_30, Keitherie_36, Khan1_36, Kheth_36, Kikipoo_36, Kimbrough_36, KingTut_27, KingVeVeVe_36, KingstonB_62, KlimbOn_36, Kloppinator_36, Knocker_37, Kolhan_36, Kronus_35, Kwadwo_35, Kwksand96_35, Labeouficaum_35, Lambano_32, Lars_36, LasagnaCat_36, Lasso_36, Laurie_36, LeeLot_36, Lego3393_36, Legolas_35, LeiMonet_36, LemonSlice_36, Lephleur_36, LestyG_36, Ligma_29, LilMcDreamy_31, LilSmirk_36, LittleMunchkin_31, LizLemon_36, Lolalove_33, Longacauda_35, Lopsy_35, LostAndPhound_35, LuckyMarjie_35, Lulumae_35, Lulwa_36, Lumine_35, MRabcd_35, Mag7_35, Magic8_36, Magpie_32, MakoManhole_31, Mana_35, Manad_35, Mao1_30, Mariokart_29, Marley1013_36, Marlia_36, Maru_35, Mask_31, Maskar_35, MasterPo_36, Matalotodo_36, Mcshane_35, Mecca_35, Megabear_28, Megamind20_36, Megatron_36, Melc17_36, MelsMeow_35, Mesh1_36, Mesmerelda_36, MichaelPhcott_35, Mikota_36, MiniBoss_36, MitKao_36, Mithril_33, MmasiCarm_36, Morgushi_36, Mortcellus_35, Morty007_36, Morty_36, Mosaic_35, MossRose_31, MrPhizzler_35, Mudslide_33, Mulan_35, Murdoc_36, Mutante_35, Mysterious_36, NHagos_29, Nacho_0036, Nanao_32, Nangang_35, Nathan_37, Nehemiah_34, Neos5_36, Newman_36, Nicole21_36, Nigel_31, Nozo_36, Numberten_36, Nyala_35, OSmaximus_36, Obutu_36, Olak_35, Oline_35, Olive_36, OliverWalter_36, Olivio_35, Omniscient_36, Oosterbaan_36, Opia_36, OrangeOswald_36, Orfeu_35, Orion_36, Orwigg_35, PG1_36, PR_28, Pacifista_35, PenguinLover67_38, Phaedrus_34, Phamished_36, Phantasmagoria_36,

Phareon_36, PhatCats2014_36, PhatLouie_36, Phayeta_37, Phelemich_35, PhenghisKhan_35, Pherdinand_36, Phergie_35, Philly_35, Phipps_36, Phleuron_35, Phlyer_36, PhrankReynolds_35, PhrodoBaggins_35, Phunky_36, Piglet_0035, Pine5_31, Pine5_32, PinheadLarry_36, Pinkman_35, Pipefish_38, Pipsqueak_36, Placalicious_35, Plata_36, Plmatters_36, Podrick_36, Pops_36, Poster_32, Potter_35, Prickles_36, PrinceCharming_36, Prince_33, ProfessorX_36, Puhltonio_36, QueenBeane_36, QueenPie_32, Quesadilla_38, Quesadilla_39, Quisquiliae_36, Qyrzula_34, RagingRooster_36, RawrgerThat_33, RedMaple_35, Reprobate_35, Rhinoforte_36, Rich_34, Ricotta_35, Riggan_36, Rimu_37, Rinkes_37, Rita130_35, Rita1961_36, Riverton_35, Robyn_35, Roliet_36, RomaT_36, Roscoe_37, Rosebush_36, Roy17_36, SDcharge11_36, Sabella_36, Saguario_37, Samaymay_36, SassyCat97_35, Schadenfreude_35, Schueller_35, Scoot17C_36, Scrick_36, Sejanus_31, Selr12_36, Serendipitous_34, Serendipity_36, Serpentine_0036, Shatter_29, Sheila_36, Shenandoah_36, Shenyu_35, ShiVal_36, Sigman_36, SilverBell_36, Simielle_35, SirBeauregard_36, SirJeffery_35, Sisko_29, Skippy_36, Slatt_36, SlippinJimmy_36, Soile_36, Solosis_35, Soos_57, Sophia_35, Soto_36, Sour_33, Spartan300_36, Squid_36, Squiggle_36, StAugustine_40, Sting_60, Stinger_31, StinkyVeggy_37, Struggle_35, Suffolk_36, Suigeneris_35, Surely_36, SwainyDoc_36, Swiphy_37, Swish_36, SynergyX_36, TA17A_37, TPA2_39, TallGrassMM_36, Taptic_28, Telesworld_35, Thonko_35, Thora_36, ThreeOh3D2_36, Thunderbird_35, Timmi_35, Tinciduntolum_37, TinyTerror_36, TomBombadil_36, Tomlarah_36, Toni_35, Tonitrus_48, TooFast2Furius_37, Tooj_36, Tres_36, True_35, Trypo_36, Tydolla_36, TyrionL_35, UAch1_36, UncleHowie_36, Usavi_36, Vaishali24_35, Valjean_36, Vaticameos_36, Veritas_35, Vic9_00036, Vincenzo_34, VioletZ_33, Virapocalypse_36, Virgeve_35, Vista_36, Vivaldi_36, Vortex_36, Waleliano_33, Wallhey_35, Waterdiva_36, Weher20_36, West99_36, Windsor_35, Wooper_31, Xavier_35, Xincheng_32, Yago84_29, Yahalom_36, Yeshua_31, Yinz_36, Yoshand_36, YouGoGlencoco_36, Zaider_37, Zelda_36, Zemanar_34, Zenteno07_40, Zonia_36,

Summary by start number:

Start 67:

- Found in 37 of 1003 (3.7%) of genes in pham
- Manual Annotations of this start: 25 of 857
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ahwei_32 (B4), AlanGrant_34 (B4), Antihero_32 (B4), Apex_33 (B4), Austelle_34 (B4), BobbyK_33 (B4), BrownCNA_34 (B4), ChrisnMich_32 (B4), Cooper_33 (B4), Epah_32 (B4), Fanaw_32 (B4), Fortunato_33 (B4), Frederick_33 (B4), GinPorsche_32 (B4), Hally898_32 (B4), Hangman_33 (B4), Heath_32 (B4), Hydro_33 (B4), JAMaL_33 (B4), JaguarMi_33 (B4), Lambano_32 (B4), Lolalove_33 (B4), Magpie_32 (B4), Mithril_33 (B4), Mudslide_33 (B4), Nanao_32 (B4), Nigel_31 (B4), Poster_32 (B4), Prince_33 (B4), QueenPie_32 (B4), RawrgerThat_33 (B4), Stinger_31 (B4), Vincenzo_34 (B4), VioletZ_33 (B4), Waleliano_33 (B4), Xincheng_32 (B4), Zemanar_34 (B4),

Start 72:

- Found in 3 of 1003 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Nangang_36 (B5),

Start 78:

- Found in 1 of 1003 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 857
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Thonko_35 (B8),

Start 84:

- Found in 290 of 1003 (28.9%) of genes in pham
- Manual Annotations of this start: 90 of 857
- Called 31.0% of time when present
- Phage (with cluster) where this start called: ABU_36 (B1), AbsoluteMadLad_35 (B1), Altwerkus_35 (B1), Antonia_35 (B1), Apizium_35 (B1), CamL_36 (B1), Carthage_34 (B1), Chah_37 (B1), CharlieGBrown_35 (B1), Chunky_36 (B1), Cobra_36 (B1), Colbert_36 (B1), Cosmolli16_35 (B1), Craff_36 (B1), Daffy_36 (B1), Daka_36 (B1), Derpp_35 (B1), Dione_35 (B1), EmpTee_36 (B1), Eremos_36 (B1), Fang_36 (B1), FluffyNinja_36 (B1), FriarPreacher_36 (B1), Gareth_35 (B1), GeneCoco_36 (B1), Grand2040_35 (B1), Gyarad_0036 (B1), Haimas_36 (B1), Harvey_36 (B1), Held_36 (B1), Hertubise_36 (B1), Hocus_35 (B1), IsaacEli_36 (B1), JacAttac_36 (B1), JakeO_35 (B1), JangoPhett_36 (B1), Jillium_35 (B1), KLucky39_36 (B1), Kailash_36 (B1), Keitherie_36 (B1), Kikipoo_36 (B1), KingVeVeVe_36 (B1), Kwadwo_35 (B1), Lasso_36 (B1), LuckyMarjie_35 (B1), Magic8_36 (B1), Mana_35 (B1), Manad_35 (B1), Megatron_36 (B1), Mesh1_36 (B1), MichaelPhcott_35 (B1), MitKao_36 (B1), Mosaic_35 (B1), Murdoc_36 (B1), Nacho_0036 (B1), Nicole21_36 (B1), OSmaximus_36 (B1), Phamished_36 (B1), Piglet_0035 (B1), PinheadLarry_36 (B1), Puhltonio_36 (B1), QueenBeane_36 (B1), Riggan_36 (B1), Roliet_36 (B1), SDcharge11_36 (B1), Scoot17C_36 (B1), Serendipity_36 (B1), Serpentine_0036 (B1), ShiVal_36 (B1), Sophia_35 (B1), Spartan300_36 (B1), Squid_36 (B1), Surely_36 (B1), Swish_36 (B1), TallGrassMM_36 (B1), Telesworld_35 (B1), ThreeOh3D2_36 (B1), TomBombadil_36 (B1), TyrionL_35 (B1), UAch1_36 (B1), UncleHowie_36 (B1), Vaticameos_36 (B1), Vista_36 (B1), Vivaldi_36 (B1), Vortex_36 (B1), Wallhey_35 (B1), Waterdiva_36 (B1), Xavier_35 (B1), Yoshand_36 (B1), YouGoGlencoco_36 (B1),

Start 85:

- Found in 55 of 1003 (5.5%) of genes in pham
- Manual Annotations of this start: 45 of 857
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abinghost_36 (B3), Akoma_36 (B3), Athena_37 (B3), Audrey_36 (B3), Baloo_36 (B3), Ben11_35 (B3), Bernardo_36 (B3), Briakila_37 (B3), Casbah_35 (B3), ChaChing_36 (B3), Chalmers_36 (B3), Chandler_36 (B3), Chentzyk_35 (B3), Compostia_37 (B3), Corofin_36 (B3), Daisy_36 (B3), Deenasa_36 (B3), Devonte_36 (B3), Gadjet_37 (B3), Gervas_36 (B3), GlenHope_37 (B3), Glubnar_36 (B3), Halfpint_35 (B3), HarveySr_36 (B3), Heathcliff_36 (B3), Jackstina_33 (B3), Kamiyu_36 (B3), Kronus_35 (B3), LestyG_36 (B3), Marley1013_36 (B3), Marlia_36 (B3), MmasiCarm_36 (B3), Mortcellus_35 (B3), Morty007_36 (B3), Neos5_36 (B3), Nozo_36 (B3), Obutu_36 (B3), Olivio_35 (B3), OrangeOswald_36 (B3), Phaedrus_34 (B3), Phayeta_37 (B3), Philly_35 (B3), Phlyer_36 (B3), Pipefish_38 (B3), RagingRooster_36 (B3), Rita1961_36 (B3), RomaT_36 (B3), Shenandoah_36 (B3), SlippinJimmy_36 (B3), SwainyDoc_36 (B3), SynergyX_36 (B3), TinyTerror_36 (B3), Tydolla_36 (B3), Yahalom_36 (B3), Yinz_36 (B3),

Start 86:

- Found in 50 of 1003 (5.0%) of genes in pham

- Manual Annotations of this start: 45 of 857
- Called 98.0% of time when present
- Phage (with cluster) where this start called: Allegro_36 (B2), Arbiter_36 (B2), Ares_36 (B2), Argie_29 (W), Bananafish_36 (B2), Blocker23_36 (B2), Boyle_36 (B2), Brownie5_36 (B2), Calamitous_36 (B2), Cepens_28 (W), Coffee_36 (B2), D12_28 (W), Dori_32 (AD), Eaglehorse_36 (B2), Faze9_36 (B2), FrenchFry_36 (B2), Glass_36 (B2), GodPhather_29 (W), Godines_36 (B2), Hedgerow_36 (B2), Holeinone_36 (B2), ItsyBitsy1_36 (B2), Jeon_28 (W), Kaleb_36 (B2), Kheth_36 (B2), Kolhan_36 (B2), Lars_36 (B2), Laurie_36 (B2), Lephieur_36 (B2), LilSmirk_36 (B2), LizLemon_36 (B2), Mao1_30 (AD), Mask_31 (AD), MasterPo_36 (B2), Megabear_28 (W), Opia_36 (B2), PR_28 (W), Phantasmagoria_36 (B2), PrinceCharming_36 (B2), Qyrzula_34 (B2), Rhinoforte_36 (B2), Rosebush_36 (B2), Sabella_36 (B2), Sejanus_31 (AD), TA17A_37 (B2), Taptic_28 (W), Tinciduntolum_37 (B2), Tres_36 (B2), West99_36 (B2),

Start 87:

- Found in 1 of 1003 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pine5_31 (singleton),

Start 88:

- Found in 292 of 1003 (29.1%) of genes in pham
- Manual Annotations of this start: 177 of 857
- Called 68.8% of time when present
- Phage (with cluster) where this start called: Adriana_36 (B1), Aelin_35 (B1), AltPhacts_36 (B1), Anderson_36 (B1), Andre_36 (B1), AngelCake_35 (B1), Ashraf_35 (B1), Banjo_35 (B1), Basato_37 (B1), BatteryCK_35 (B1), Beaglebox_35 (B1), Bishoperium_35 (B1), BlackStallion_36 (B1), BlueHusk_36 (B1), Bluephacebaby_35 (B1), Boehler_36 (B1), Brilliant_36 (B1), Buckeye_36 (B1), Burr_35 (B1), CampRoach_36 (B1), Cannibal_36 (B1), Caspiboi_37 (B1), Causa_42 (A1), Chaelin_36 (B1), Charles1_36 (B1), CheetO_36 (B1), Cher_35 (B1), Childish_35 (B1), Chipette_37 (B1), Chorkpop_36 (B1), Chute_35 (B1), Coletti_35 (B1), Cornbread_36 (B1), Cornobble_35 (B1), Crownjwl_36 (B1), DaddyDaniels_36 (B1), Dati_36 (B1), DelRivs_35 (B1), Dice_35 (B1), Dingo_36 (B1), DirtJuice_36 (B1), Doddsville_36 (B1), DoesntMatter_36 (B1), DonSanchon_35 (B1), DuchessDung_34 (B1), Duggie_35 (B1), Durga_36 (B1), ElvisPhasley_36 (B1), Emiris_36 (B1), Etaye_36 (B1), Eugenia_36 (B1), Fozzie_35 (B1), Frankicide_36 (B1), Freya_35 (B1), Fringe_36 (B1), FugateOSU_35 (B1), Giraffe_36 (B1), Gophee_36 (B1), Gwennie1_36 (B1), Gwilliam_36 (B1), HSavage_36 (B1), Haleema_35 (B1), Hamish_36 (B1), Hartsy_36 (B1), HenryJackson_35 (B1), Hetaeria_36 (B1), HighStump_35 (B1), Horchata_36 (B1), ImtiyazSitla_35 (B1), Inchworm_36 (B1), Inverness_36 (B1), Iridessa_36 (B1), Iridoclysis_36 (B1), JDog_35 (B1), Jesabah_36 (B1), Jiminy_35 (B1), Jiraiya_35 (B1), Kahve_35 (B1), Katniss_36 (B1), Khan1_36 (B1), Kimbrough_36 (B1), KingTut_27 (B1), KlimbOn_36 (B1), Kloppinator_36 (B1), Kwksand96_35 (B1), Labeouficaum_35 (B1), LasagnaCat_36 (B1), LeeLot_36 (B1), Lego3393_36 (B1), Legolas_35 (B1), LeiMonet_36 (B1), LemonSlice_36 (B1), Longacauda_35 (B1), Lopsy_35 (B1), LostAndPhound_35 (B1), Lulumae_35 (B1), Lulwa_36 (B1), Lumine_35 (B1), MRabcd_35 (B1), Mag7_35 (B1), Maru_35 (B1), Maskar_35 (B1), Matalotodo_36 (B1), Mcshane_35 (B1), Mecca_35 (B1), Megamind20_36 (B1), Melc17_36 (B1), MelsMeow_35 (B1), Mesmerelda_36 (B1), Mikota_36 (B1), MiniBoss_36 (B1), Morgushi_36 (B1), Morty_36 (B1), MrPhizzler_35 (B1), Mulan_35 (B1), Mutante_35 (B1), Nathan_37 (B1), Newman_36 (B1),

Numberten_36 (B1), Nyala_35 (B1), Olak_35 (B1), Oline_35 (B1), Olive_36 (B1), OliverWalter_36 (B1), Omniscient_36 (B1), Oosterbaan_36 (B1), Orfeu_35 (B1), Orion_36 (B1), Orwigg_35 (B1), PG1_36 (B1), Pacifista_35 (B1), Phareon_36 (B1), PhatCats2014_36 (B1), PhatLouie_36 (B1), PhenghisKhan_35 (B1), Pherdinand_36 (B1), Phergie_35 (B1), Phipps_36 (B1), Phleuron_35 (B1), PhrankReynolds_35 (B1), PhrodoBaggins_35 (B1), Phunky_36 (B1), Pinkman_35 (B1), Pipsqueak_36 (B1), Placalicious_35 (B1), Plata_36 (B1), Plmatters_36 (B1), Podrick_36 (B1), Pops_36 (B1), Potter_35 (B1), Prickles_36 (B1), ProfessorX_36 (B1), Quisquiliae_36 (B1), RedMaple_35 (B1), Ricotta_35 (B1), Rimu_37 (B1), Riverton_35 (B1), Robyn_35 (B1), Roscoe_37 (B1), Roy17_36 (B1), Samaymay_36 (B1), SassyCat97_35 (B1), Schadenfreude_35 (B1), Schueller_35 (B1), Scrick_36 (B1), Selr12_36 (B1), Sheila_36 (B1), Sigman_36 (B1), SilverBell_36 (B1), Simielle_35 (B1), SirBeauregard_36 (B1), Skippy_36 (B1), Slatt_36 (B1), Soile_36 (B1), Solosis_35 (B1), Soto_36 (B1), Squiggle_36 (B1), StAugustine_40 (A1), Struggle_35 (B1), Suffolk_36 (B1), Swiphy_37 (B1), Thora_36 (B1), Thunderbird_35 (B1), Timmi_35 (B1), Tomlarah_36 (B1), Toni_35 (B1), TooFast2Furius_37 (B1), Tooj_36 (B1), True_35 (B1), Trypo_36 (B1), Usavi_36 (B1), Vaishali24_35 (B1), Valjean_36 (B1), Veritas_35 (B1), Virapocalypse_36 (B1), Virgeve_35 (B1), Weher20_36 (B1), Windsor_35 (B1), Zaider_37 (B1), Zelda_36 (B1), Zonia_36 (B1),

Start 89:

- Found in 39 of 1003 (3.9%) of genes in pham
- Manual Annotations of this start: 1 of 857
- Called 5.1% of time when present
- Phage (with cluster) where this start called: Pine5_32 (singleton), Vic9_00036 (B2),

Start 90:

- Found in 35 of 1003 (3.5%) of genes in pham
- Manual Annotations of this start: 18 of 857
- Called 85.7% of time when present
- Phage (with cluster) where this start called: 39HC_030 (B6), 40BC_030 (B6), Acadian_35 (B5), Bae_34 (B5), BirdsNest_38 (B13), DigitDog_35 (B5), Donny_35 (B5), EastView9101_34 (B5), ForDig_31 (B6), Funsized_38 (B9), Hashim76_39 (B13), Hosp_028 (B6), Imvubu_29 (B10), Jolie1_030 (B6), KayaCho_30 (B6), Knocker_37 (B9), Mysterious_36 (B5), Nangang_35 (B5), Nehemiah_34 (B5), Phelemich_35 (B5), Reprobate_35 (B5), Rich_34 (B5), Rinkes_37 (B9), Rita130_35 (B5), Saguaro_37 (B7), Serendipitous_34 (B5), Shenyu_35 (B5), SirJeffery_35 (B5), Suigeneris_35 (B5), Zenteno07_40 (B13),

Start 91:

- Found in 493 of 1003 (49.2%) of genes in pham
- Manual Annotations of this start: 423 of 857
- Called 99.4% of time when present
- Phage (with cluster) where this start called: 39HC_031 (B6), 40BC_031 (B6), ABU_37 (B1), Abinghost_37 (B3), AbsoluteMadLad_36 (B1), Acadian_36 (B5), Adriana_37 (B1), Aelin_36 (B1), Ahwei_33 (B4), Akoma_37 (B3), AksarBAT_30 (DR), AlanGrant_35 (B4), Allegro_38 (B2), AltPhacts_37 (B1), Altwerkus_36 (B1), AnClar_31 (DR), AnarQue_32 (DR), Anderson_37 (B1), Andre_37 (B1), AngelCake_36 (B1), Antihero_33 (B4), Antonia_36 (B1), Apex_34 (B4), Apizium_36 (B1), Arbiter_37 (B2), Ares_38 (B2), Argie_31 (W), Ashraf_36 (B1), Athena_38 (B3), Audrey_37 (B3), Austelle_35 (B4), Axumite_30 (DR), Badfish_37 (B1), Bae_35 (B5), Baloo_37 (B3), Bananafish_38 (B2), Banjo_36 (B1), Basato_38 (B1), BatteryCK_36 (B1), Beaglebox_36 (B1), Ben11_36 (B3), Bernardo_37 (B3), BiggityBass_30 (DR),

BirdsNest_39 (B13), Bishoperium_36 (B1), BlackStallion_37 (B1), Blocker23_38 (B2), BlueHusk_37 (B1), Bluephacebaby_36 (B1), BobbyK_34 (B4), Boehler_37 (B1), Boyle_38 (B2), Briakila_38 (B3), Brilliant_37 (B1), Brownie5_38 (B2), Buckeye_37 (B1), Burr_36 (B1), CRB2_39 (B9), CaiB_32 (DR), Calamitous_38 (B2), CamL_37 (B1), CampRoach_37 (B1), Cannibal_37 (B1), Carthage_35 (B1), Casbah_36 (B3), Caspiboi_38 (B1), Causa_43 (AI), Cepens_30 (W), ChaChing_37 (B3), Chaelin_37 (B1), Chah_38 (B1), Chalmers_37 (B3), Chandler_37 (B3), Charles1_37 (B1), CharlieGBrown_36 (B1), CharlottesWeb_30 (DR), CheetO_37 (B1), Cher_36 (B1), Childish_36 (B1), Chipette_38 (B1), Chorkpop_37 (B1), ChrisnMich_33 (B4), Chunky_37 (B1), Chute_36 (B1), CloverMinnie_32 (DR), Cobra_37 (B1), Coffee_38 (B2), Colbert_37 (B1), Coldpizza_33 (DR), Coletti_36 (B1), Compostia_38 (B3), Cooper_34 (B4), Cornbread_37 (B1), Cornobble_36 (B1), Corofin_37 (B3), Cosmolli16_36 (B1), Craff_37 (B1), Crownjwl_37 (B1), D12_29 (W), DaddyDaniels_37 (B1), Daffy_37 (B1), Daisy_37 (B3), Daka_37 (B1), Dati_37 (B1), Deenasa_37 (B3), DelRivs_36 (B1), Derpp_36 (B1), Devonte_37 (B3), Dice_36 (B1), DigitDog_36 (B5), Dingo_37 (B1), Dione_36 (B1), DirtJuice_37 (B1), Doddsville_37 (B1), DoesntMatter_37 (B1), DonSanchon_36 (B1), Donny_36 (B5), Dori_33 (AD), DuchessDung_35 (B1), Duggie_36 (B1), Durga_37 (B1), Eaglehorse_38 (B2), EastView9101_35 (B5), ElvisPhasley_37 (B1), Emiris_37 (B1), EmpTee_37 (B1), Epah_33 (B4), Eremos_37 (B1), Etaye_37 (B1), Eugenia_37 (B1), Fanaw_33 (B4), Fang_37 (B1), Faze9_37 (B2), FluffyNinja_37 (B1), ForDig_32 (B6), Fortunato_34 (B4), Fozzie_36 (B1), Frankicide_37 (B1), Frederick_34 (B4), FrenchFry_38 (B2), Fresco_30 (DR), Freya_36 (B1), FriarPreacher_37 (B1), Fringe_37 (B1), FugateOSU_36 (B1), Funsized_39 (B9), Gadget_38 (B3), Gareth_36 (B1), GeneCoco_37 (B1), Gervas_37 (B3), GinPorsche_33 (B4), Giraffe_37 (B1), Glass_38 (B2), GlenHope_38 (B3), Glubnar_37 (B3), GodPhather_31 (W), Godines_38 (B2), Gophee_37 (B1), Grand2040_36 (B1), Gwennie1_37 (B1), Gwilliam_37 (B1), Gyarad_0037 (B1), HSavage_37 (B1), Haimas_37 (B1), Haleema_36 (B1), Halfpint_36 (B3), Hally898_33 (B4), Hamish_37 (B1), Hangman_34 (B4), Hartsy_37 (B1), HarveySr_37 (B3), Harvey_37 (B1), Hashim76_40 (B13), Heath_33 (B4), Heathcliff_37 (B3), Hedgerow_38 (B2), Held_37 (B1), HenryJackson_36 (B1), Hertubise_37 (B1), Hetaeria_37 (B1), HighStump_36 (B1), Hocus_36 (B1), Holeinone_38 (B2), Horchata_37 (B1), Hosp_029 (B6), Hydro_34 (B4), ImtiyazSitla_36 (B1), Imvubu_30 (B10), Inchworm_37 (B1), Indlovu_35 (B11), Inverness_37 (B1), Iridessa_37 (B1), Iridoclysis_37 (B1), IsaacEli_37 (B1), ItsyBitsy1_38 (B2), JAMaL_34 (B4), JDog_36 (B1), JacAttac_37 (B1), Jackstina_34 (B3), JaguarMi_34 (B4), JakeO_36 (B1), JangoPhett_37 (B1), Jeon_30 (W), Jesabah_37 (B1), Jillium_36 (B1), Jiminy_36 (B1), Jiraiya_36 (B1), Jolie1_031 (B6), KLucky39_37 (B1), Kahve_36 (B1), Kailash_37 (B1), Kaleb_38 (B2), Kamiyu_37 (B3), KarasumaRum_38 (B5), Katniss_37 (B1), KayaCho_31 (B6), Keitherie_37 (B1), Khan1_37 (B1), Kheth_38 (B2), Kikipoo_37 (B1), Kimbrough_37 (B1), KingTut_28 (B1), KingVeVeVe_37 (B1), KlimbOn_37 (B1), Kloppinator_37 (B1), Knocker_38 (B9), Kolhan_38 (B2), Kronus_36 (B3), Kwadwo_36 (B1), Kwksand96_36 (B1), Labeouficaum_36 (B1), Lambano_33 (B4), Lars_38 (B2), LasagnaCat_37 (B1), Lasso_37 (B1), Laurie_37 (B2), LeeLot_37 (B1), Lego3393_37 (B1), Legolas_36 (B1), LeiMonet_37 (B1), LemonSlice_37 (B1), Lephleur_38 (B2), LestyG_37 (B3), Ligma_30 (DR), LilMcDreamy_33 (B12), LilSmirk_38 (B2), LittleMunchkin_32 (DR), LizLemon_38 (B2), Lolalove_34 (B4), Longacauda_36 (B1), Lopsy_36 (B1), LostAndPhound_36 (B1), LuckyMarjie_36 (B1), Lulumae_36 (B1), Lulwa_37 (B1), Lumine_36 (B1), MRabcd_36 (B1), Mag7_36 (B1), Magic8_37 (B1), Magpie_33 (B4), MakoManhole_32 (DR), Mana_36 (B1), Manad_36 (B1), Mao1_31 (AD), Mariokart_30 (DR), Marley1013_37 (B3), Marlia_37 (B3), Maru_36 (B1), Mask_32 (AD), Maskar_36 (B1), MasterPo_38 (B2), Matalotodo_37 (B1), Mcshane_36 (B1),

Mecca_36 (B1), Megabear_30 (W), Megamind20_37 (B1), Megatron_37 (B1), Melc17_37 (B1), MelsMeow_36 (B1), Mesh1_37 (B1), Mesmerelda_37 (B1), MichaelPhcott_36 (B1), Mikota_37 (B1), MiniBoss_37 (B1), MitKao_37 (B1), Mithril_34 (B4), MmasiCarm_37 (B3), Morgushi_37 (B1), Mortcellus_36 (B3), Morty007_37 (B3), Morty_37 (B1), Mosaic_36 (B1), MossRose_32 (DR), MrPhizzler_36 (B1), Mudslide_34 (B4), Mulan_36 (B1), Murdoc_37 (B1), Mutante_36 (B1), Mysterious_38 (B5), NHagos_30 (DR), Nacho_0037 (B1), Nanao_33 (B4), Nathan_38 (B1), Nehemiah_36 (B5), Neos5_37 (B3), Newman_37 (B1), Nicole21_37 (B1), Nigel_32 (B4), Nozo_37 (B3), Numberten_37 (B1), Nyala_36 (B1), OSmaximus_37 (B1), Obutu_37 (B3), Olak_36 (B1), Oline_36 (B1), Olive_37 (B1), OliverWalter_37 (B1), Olivio_36 (B3), Omniscient_37 (B1), Oosterbaan_37 (B1), Opia_38 (B2), OrangeOswald_37 (B3), Orfeu_36 (B1), Orion_37 (B1), Orwigg_36 (B1), PG1_37 (B1), PR_30 (W), Pacifista_36 (B1), PenguinLover67_39 (B9), Phaedrus_35 (B3), Phamished_37 (B1), Phantasmagoria_38 (B2), Phareon_37 (B1), PhatCats2014_37 (B1), PhatLouie_37 (B1), Phayeta_38 (B3), Phelemich_36 (B5), PhenghisKhan_36 (B1), Pherdinand_37 (B1), Phergie_36 (B1), Philly_36 (B3), Phipps_37 (B1), Phleuron_36 (B1), Phlyer_37 (B3), PhrankReynolds_36 (B1), PhrodoBaggins_36 (B1), Phunky_37 (B1), Piglet_0036 (B1), PinheadLarry_37 (B1), Pinkman_36 (B1), Pipefish_39 (B3), Pipsqueak_37 (B1), Placalicious_36 (B1), Plata_37 (B1), Plmatters_37 (B1), Podrick_37 (B1), Pops_37 (B1), Poster_33 (B4), Potter_36 (B1), Prickles_37 (B1), PrinceCharming_38 (B2), Prince_34 (B4), ProfessorX_37 (B1), Puhltonio_37 (B1), QueenBeane_37 (B1), QueenPie_33 (B4), Quisquiliae_37 (B1), Qyrzula_35 (B2), RagingRooster_37 (B3), RawrgerThat_34 (B4), RedMaple_36 (B1), Reprobate_36 (B5), Rhinoforte_38 (B2), Rich_35 (B5), Ricotta_36 (B1), Riggan_37 (B1), Rimu_38 (B1), Rinkes_38 (B9), Rita130_36 (B5), Rita1961_37 (B3), Riverton_36 (B1), Robyn_36 (B1), Roliet_37 (B1), RomaT_37 (B3), Roscoe_38 (B1), Rosebush_37 (B2), Roy17_37 (B1), SDcharge11_37 (B1), Sabella_37 (B2), Saguaro_38 (B7), Samaymay_37 (B1), SassyCat97_36 (B1), Schadenfreude_36 (B1), Schueller_36 (B1), Scoot17C_37 (B1), Scrick_37 (B1), Sejanus_32 (AD), Selr12_37 (B1), Serendipitous_35 (B5), Serendipity_37 (B1), Serpentine_0037 (B1), Shatter_30 (DR), Sheila_37 (B1), Shenandoah_37 (B3), Shenyu_36 (B5), ShiVal_37 (B1), Sigman_37 (B1), SilverBell_37 (B1), Simielle_36 (B1), SirBeauregard_37 (B1), SirJeffery_36 (B5), Sisko_30 (DR), Skippy_37 (B1), Slatt_37 (B1), SlippinJimmy_37 (B3), Soile_37 (B1), Solosis_36 (B1), Sophia_36 (B1), Soto_37 (B1), Sour_35 (DR), Spartan300_37 (B1), Squid_37 (B1), Squiggle_37 (B1), StAugustine_41 (AI), Stinger_32 (B4), StinkyVeggy_38 (B5), Struggle_36 (B1), Suffolk_37 (B1), Suigeneris_36 (B5), Surely_37 (B1), SwainyDoc_37 (B3), Swiphy_38 (B1), Swish_37 (B1), SynergyX_37 (B3), TA17A_39 (B2), TPA2_40 (singleton), TallGrassMM_37 (B1), Taptic_30 (W), Telesworld_36 (B1), Thonko_36 (B8), Thora_37 (B1), ThreeOh3D2_37 (B1), Thunderbird_36 (B1), Timmi_36 (B1), Tinciduntolum_39 (B2), TinyTerror_37 (B3), TomBombadil_37 (B1), Tomlarah_37 (B1), Toni_36 (B1), TooFast2Furius_38 (B1), Tooj_37 (B1), Tres_38 (B2), True_36 (B1), Trypo_37 (B1), Tydolla_37 (B3), TyrionL_36 (B1), UAch1_37 (B1), UncleHowie_37 (B1), Usavi_37 (B1), Vaishali24_36 (B1), Valjean_37 (B1), Veritas_36 (B1), Vic9_00037 (B2), Vincenzo_35 (B4), VioletZ_34 (B4), Virapocalypse_37 (B1), Virgeve_36 (B1), Vista_37 (B1), Vivaldi_37 (B1), Vortex_37 (B1), Waleliano_34 (B4), Wallhey_36 (B1), Waterdiva_37 (B1), Weher20_37 (B1), West99_38 (B2), Windsor_36 (B1), Wooper_32 (DR), Xavier_36 (B1), Xincheng_33 (B4), Yago84_30 (DR), Yahalom_37 (B3), Yeshua_32 (DR), Yinz_37 (B3), Yoshand_37 (B1), YouGoGlencoco_37 (B1), Zaidler_38 (B1), Zelda_37 (B1), Zemanar_35 (B4), Zenteno07_41 (B13), Zonia_37 (B1),

Start 92:

- Found in 9 of 1003 (0.9%) of genes in pham
- Manual Annotations of this start: 5 of 857
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amo99_62 (CP), Clawz_61 (CP), ColdSoup_62 (CP), DonTron_61 (CP), Jollymon_61 (CP), KingstonB_62 (CP), Quesadilla_39 (B9), Soos_57 (CP), Sting_60 (CP),

Start 94:

- Found in 1 of 1003 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 857
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilMcDreamy_31 (B12),

Start 95:

- Found in 25 of 1003 (2.5%) of genes in pham
- Manual Annotations of this start: 16 of 857
- Called 84.0% of time when present
- Phage (with cluster) where this start called: AksarBAT_29 (DR), AnClar_30 (DR), AnarQue_31 (DR), Axumite_29 (DR), BiggityBass_29 (DR), CharlottesWeb_29 (DR), CloverMinnie_31 (DR), Coldpizza_32 (DR), Evaa_29 (DR), Fresco_29 (DR), Ligma_29 (DR), LittleMunchkin_31 (DR), Mariokart_29 (DR), NHagos_29 (DR), Shatter_29 (DR), Sisko_29 (DR), Sour_33 (DR), TPA2_39 (singleton), Wooper_31 (DR), Yago84_29 (DR), Yeshua_31 (DR),

Start 97:

- Found in 8 of 1003 (0.8%) of genes in pham
- Manual Annotations of this start: 4 of 857
- Called 50.0% of time when present
- Phage (with cluster) where this start called: CaiB_31 (DR), MakoManhole_31 (DR), MossRose_31 (DR), Tonitrus_48 (singleton),

Start 99:

- Found in 4 of 1003 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 857
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Indlovu_34 (B11), Quesadilla_38 (B9),

Start 101:

- Found in 12 of 1003 (1.2%) of genes in pham
- No Manual Annotations of this start.
- Called 8.3% of time when present
- Phage (with cluster) where this start called: BobRoss2024_28 (DR),

Start 103:

- Found in 492 of 1003 (49.1%) of genes in pham
- No Manual Annotations of this start.
- Called 0.6% of time when present
- Phage (with cluster) where this start called: Chentzyk_37 (B3), KarasumaRum_37 (B5), StinkyVeggy_37 (B5),

Start 104:

- Found in 9 of 1003 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 857

- Called 11.1% of time when present
- Phage (with cluster) where this start called: PenguinLover67_38 (B9),

Start 115:

- Found in 290 of 1003 (28.9%) of genes in pham
- Manual Annotations of this start: 1 of 857
- Called 0.3% of time when present
- Phage (with cluster) where this start called: Badfish_36 (B1),

Start 257:

- Found in 3 of 1003 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 857
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BobRoss2024_29 (DR), BrownCNA_35 (B4), Evaa_30 (DR),

Summary by clusters:

There are 19 clusters represented in this pham: singleton, B2, B10, AI, B8, B11, B4, B5, B6, B7, B12, B1, W, B3, AD, CP, DR, B9, B13,

Info for manual annotations of cluster AD:

- Start number 86 was manually annotated 4 times for cluster AD.
- Start number 91 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster AI:

- Start number 88 was manually annotated 1 time for cluster AI.
- Start number 91 was manually annotated 1 time for cluster AI.

Info for manual annotations of cluster B1:

- Start number 84 was manually annotated 90 times for cluster B1.
- Start number 88 was manually annotated 176 times for cluster B1.
- Start number 91 was manually annotated 266 times for cluster B1.
- Start number 115 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B10:

- Start number 90 was manually annotated 1 time for cluster B10.
- Start number 91 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 91 was manually annotated 1 time for cluster B11.
- Start number 99 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 91 was manually annotated 1 time for cluster B12.
- Start number 94 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 90 was manually annotated 3 times for cluster B13.
- Start number 91 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B2:

- Start number 86 was manually annotated 33 times for cluster B2.

- Start number 89 was manually annotated 1 time for cluster B2.
- Start number 91 was manually annotated 34 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 85 was manually annotated 45 times for cluster B3.
- Start number 91 was manually annotated 45 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 67 was manually annotated 25 times for cluster B4.
- Start number 91 was manually annotated 24 times for cluster B4.
- Start number 257 was manually annotated 1 time for cluster B4.

Info for manual annotations of cluster B5:

- Start number 90 was manually annotated 9 times for cluster B5.
- Start number 91 was manually annotated 9 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 90 was manually annotated 1 time for cluster B6.
- Start number 91 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 90 was manually annotated 1 time for cluster B7.
- Start number 91 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 78 was manually annotated 1 time for cluster B8.
- Start number 91 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 90 was manually annotated 3 times for cluster B9.
- Start number 91 was manually annotated 5 times for cluster B9.
- Start number 92 was manually annotated 1 time for cluster B9.
- Start number 99 was manually annotated 1 time for cluster B9.
- Start number 104 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster CP:

- Start number 92 was manually annotated 4 times for cluster CP.

Info for manual annotations of cluster DR:

- Start number 91 was manually annotated 18 times for cluster DR.
- Start number 95 was manually annotated 16 times for cluster DR.
- Start number 97 was manually annotated 3 times for cluster DR.
- Start number 257 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster W:

- Start number 86 was manually annotated 8 times for cluster W.
- Start number 91 was manually annotated 8 times for cluster W.

Gene Information:

Gene: 39HC_031 Start: 32716, Stop: 33324, Start Num: 91

Candidate Starts for 39HC_031:

(13, 32362), (27, 32515), (34, 32539), (65, 32662), (Start: 91 @32716 has 423 MA's), (131, 32860), (135, 32866), (150, 32917), (153, 32926), (154, 32929), (161, 32974), (167, 33001), (182, 33037), (186, 33043), (191, 33064), (221, 33172), (236, 33250), (246, 33292), (251, 33310),

Gene: 39HC_030 Start: 32075, Stop: 32719, Start Num: 90

Candidate Starts for 39HC_030:

(Start: 90 @32075 has 18 MA's), (114, 32150), (118, 32162), (141, 32252), (153, 32297), (180, 32411), (185, 32423), (191, 32447), (193, 32465), (195, 32480), (208, 32528), (254, 32708),

Gene: 40BC_030 Start: 32075, Stop: 32719, Start Num: 90

Candidate Starts for 40BC_030:

(Start: 90 @32075 has 18 MA's), (114, 32150), (118, 32162), (141, 32252), (153, 32297), (180, 32411), (185, 32423), (191, 32447), (193, 32465), (195, 32480), (208, 32528), (254, 32708),

Gene: 40BC_031 Start: 32716, Stop: 33324, Start Num: 91

Candidate Starts for 40BC_031:

(13, 32362), (27, 32515), (34, 32539), (65, 32662), (Start: 91 @32716 has 423 MA's), (131, 32860), (135, 32866), (150, 32917), (153, 32926), (154, 32929), (161, 32974), (167, 33001), (182, 33037), (186, 33043), (191, 33064), (221, 33172), (236, 33250), (246, 33292), (251, 33310),

Gene: ABU_37 Start: 34983, Stop: 35582, Start Num: 91

Candidate Starts for ABU_37:

(27, 34779), (34, 34803), (44, 34845), (49, 34863), (53, 34878), (Start: 91 @34983 has 423 MA's), (103, 35013), (106, 35025), (117, 35064), (122, 35079), (135, 35133), (148, 35178), (150, 35184), (152, 35190), (154, 35196), (161, 35241), (162, 35244), (168, 35271), (191, 35331), (194, 35352), (219, 35430),

Gene: ABU_36 Start: 34336, Stop: 34986, Start Num: 84

Candidate Starts for ABU_36:

(70, 34300), (Start: 84 @34336 has 90 MA's), (Start: 88 @34339 has 177 MA's), (Start: 115 @34420 has 1 MA's), (150, 34555), (168, 34642), (185, 34687), (200, 34765), (218, 34816), (225, 34843), (227, 34861), (243, 34939), (252, 34972), (256, 34978),

Gene: Abinghost_36 Start: 34276, Stop: 34929, Start Num: 85

Candidate Starts for Abinghost_36:

(Start: 85 @34276 has 45 MA's), (112, 34357), (117, 34381), (149, 34504), (183, 34630), (190, 34645), (203, 34720), (244, 34885), (245, 34888), (252, 34915),

Gene: Abinghost_37 Start: 34926, Stop: 35525, Start Num: 91

Candidate Starts for Abinghost_37:

(Start: 91 @34926 has 423 MA's), (103, 34956), (112, 34983), (131, 35070), (154, 35139), (158, 35163), (161, 35184), (191, 35274), (212, 35358), (217, 35370), (230, 35430), (245, 35490), (251, 35511),

Gene: AbsoluteMadLad_36 Start: 34992, Stop: 35591, Start Num: 91

Candidate Starts for AbsoluteMadLad_36:

(27, 34788), (34, 34812), (44, 34854), (49, 34872), (53, 34887), (Start: 91 @34992 has 423 MA's), (103, 35022), (106, 35034), (117, 35073), (122, 35088), (123, 35091), (135, 35142), (148, 35187), (150, 35193), (152, 35199), (154, 35205), (161, 35250), (162, 35253), (168, 35280), (191, 35340), (194, 35361), (219, 35439),

Gene: AbsoluteMadLad_35 Start: 34345, Stop: 34995, Start Num: 84

Candidate Starts for AbsoluteMadLad_35:

(42, 34198), (70, 34309), (Start: 84 @34345 has 90 MA's), (Start: 88 @34348 has 177 MA's), (Start: 115 @34429 has 1 MA's), (150, 34564), (168, 34651), (185, 34696), (200, 34774), (218, 34825), (225, 34852), (227, 34870), (243, 34948), (252, 34981), (256, 34987),

Gene: Acadian_35 Start: 34957, Stop: 35586, Start Num: 90

Candidate Starts for Acadian_35:

(Start: 90 @34957 has 18 MA's), (114, 35035), (118, 35047), (129, 35107), (149, 35173), (152, 35182), (154, 35188), (161, 35233), (181, 35281), (183, 35287), (227, 35461), (254, 35575),

Gene: Acadian_36 Start: 35583, Stop: 36191, Start Num: 91

Candidate Starts for Acadian_36:

(33, 35406), (48, 35463), (Start: 91 @35583 has 423 MA's), (103, 35613), (118, 35667), (127, 35712), (131, 35727), (135, 35733), (141, 35748), (150, 35784), (152, 35790), (154, 35796), (162, 35844), (171, 35877), (212, 36015), (215, 36021), (246, 36159), (251, 36177),

Gene: Adriana_37 Start: 34981, Stop: 35580, Start Num: 91

Candidate Starts for Adriana_37:

(27, 34777), (34, 34801), (44, 34843), (49, 34861), (53, 34876), (Start: 91 @34981 has 423 MA's), (103, 35011), (106, 35023), (117, 35062), (122, 35077), (135, 35131), (148, 35176), (150, 35182), (152, 35188), (154, 35194), (161, 35239), (162, 35242), (168, 35269), (191, 35329), (194, 35350), (219, 35428),

Gene: Adriana_36 Start: 34337, Stop: 34984, Start Num: 88

Candidate Starts for Adriana_36:

(70, 34298), (Start: 84 @34334 has 90 MA's), (Start: 88 @34337 has 177 MA's), (Start: 115 @34418 has 1 MA's), (150, 34553), (168, 34640), (185, 34685), (200, 34763), (218, 34814), (225, 34841), (227, 34859), (243, 34937), (252, 34970), (256, 34976),

Gene: Aelin_35 Start: 33903, Stop: 34550, Start Num: 88

Candidate Starts for Aelin_35:

(42, 33753), (70, 33864), (Start: 84 @33900 has 90 MA's), (Start: 88 @33903 has 177 MA's), (Start: 115 @33984 has 1 MA's), (150, 34119), (168, 34206), (185, 34251), (200, 34329), (218, 34380), (225, 34407), (227, 34425), (243, 34503), (252, 34536), (256, 34542),

Gene: Aelin_36 Start: 34547, Stop: 35146, Start Num: 91

Candidate Starts for Aelin_36:

(27, 34343), (34, 34367), (44, 34409), (49, 34427), (53, 34442), (Start: 91 @34547 has 423 MA's), (103, 34577), (106, 34589), (117, 34628), (122, 34643), (135, 34697), (148, 34742), (150, 34748), (152, 34754), (154, 34760), (161, 34805), (162, 34808), (168, 34835), (191, 34895), (194, 34916), (219, 34994),

Gene: Ahwei_33 Start: 34150, Stop: 34755, Start Num: 91

Candidate Starts for Ahwei_33:

(Start: 91 @34150 has 423 MA's), (103, 34186), (117, 34237), (118, 34240), (131, 34300), (135, 34306), (148, 34351), (151, 34360), (152, 34363), (153, 34366), (158, 34393), (168, 34444), (192, 34510), (194, 34525), (212, 34588), (227, 34645), (246, 34723), (251, 34741),

Gene: Ahwei_32 Start: 33506, Stop: 34153, Start Num: 67

Candidate Starts for Ahwei_32:

(Start: 67 @33506 has 25 MA's), (105, 33584), (108, 33596), (126, 33668), (137, 33692), (143, 33713), (144, 33722), (145, 33725), (148, 33734), (149, 33737), (159, 33782), (170, 33836), (177, 33854), (194, 33914), (199, 33926), (219, 33986), (225, 34010), (227, 34028), (246, 34115), (254, 34142),

Gene: Akoma_36 Start: 34280, Stop: 34933, Start Num: 85

Candidate Starts for Akoma_36:

(Start: 85 @34280 has 45 MA's), (112, 34361), (149, 34508), (183, 34634), (190, 34649), (203, 34724), (244, 34889), (252, 34919),

Gene: Akoma_37 Start: 34930, Stop: 35529, Start Num: 91

Candidate Starts for Akoma_37:

(26, 34726), (Start: 91 @34930 has 423 MA's), (103, 34960), (112, 34987), (131, 35074), (135, 35080), (154, 35143), (158, 35167), (191, 35278), (212, 35362), (217, 35374), (230, 35434), (251, 35515),

Gene: AksarBAT_29 Start: 27983, Stop: 28597, Start Num: 95

Candidate Starts for AksarBAT_29:

(Start: 95 @27983 has 16 MA's), (121, 28073), (122, 28076), (128, 28115), (136, 28136), (149, 28184), (150, 28187), (181, 28292), (183, 28298), (218, 28430), (245, 28556), (254, 28586),

Gene: AksarBAT_30 Start: 28594, Stop: 29190, Start Num: 91

Candidate Starts for AksarBAT_30:

(34, 28417), (65, 28540), (Start: 91 @28594 has 423 MA's), (103, 28624), (112, 28651), (118, 28678), (131, 28738), (135, 28744), (149, 28792), (150, 28795), (152, 28801), (162, 28855), (171, 28888), (184, 28918), (194, 28963), (215, 29032), (219, 29041), (221, 29050), (251, 29176),

Gene: AlanGrant_35 Start: 35904, Stop: 36506, Start Num: 91

Candidate Starts for AlanGrant_35:

(Start: 91 @35904 has 423 MA's), (103, 35937), (106, 35949), (131, 36051), (135, 36057), (141, 36072), (148, 36102), (150, 36108), (152, 36114), (158, 36144), (161, 36165), (184, 36231), (191, 36255), (192, 36261), (194, 36276), (197, 36288), (217, 36351), (219, 36354), (245, 36471), (246, 36474), (251, 36492),

Gene: AlanGrant_34 Start: 35254, Stop: 35907, Start Num: 67

Candidate Starts for AlanGrant_34:

(Start: 67 @35254 has 25 MA's), (110, 35347), (128, 35428), (135, 35443), (143, 35467), (144, 35476), (145, 35479), (148, 35488), (159, 35536), (170, 35590), (172, 35593), (174, 35602), (177, 35608), (179, 35611), (194, 35668), (199, 35680), (219, 35740), (225, 35764), (254, 35896),

Gene: Allegro_38 Start: 35466, Stop: 36065, Start Num: 91

Candidate Starts for Allegro_38:

(82, 35445), (Start: 91 @35466 has 423 MA's), (103, 35496), (109, 35517), (117, 35547), (118, 35550), (135, 35616), (150, 35667), (151, 35670), (152, 35673), (158, 35703), (161, 35724), (184, 35790), (192, 35820), (217, 35910), (219, 35913), (223, 35931), (227, 35955), (243, 36024), (251, 36051),

Gene: Allegro_36 Start: 34676, Stop: 35320, Start Num: 86

Candidate Starts for Allegro_36:

(37, 34511), (61, 34622), (Start: 86 @34676 has 45 MA's), (Start: 89 @34685 has 1 MA's), (112, 34754), (118, 34781), (121, 34790), (146, 34895), (150, 34907), (154, 34919), (181, 35012), (195, 35078), (200, 35099), (205, 35114), (207, 35120), (214, 35141), (220, 35153), (254, 35309),

Gene: AltPhacts_37 Start: 34970, Stop: 35569, Start Num: 91

Candidate Starts for AltPhacts_37:

(27, 34766), (34, 34790), (44, 34832), (49, 34850), (53, 34865), (Start: 91 @34970 has 423 MA's), (103, 35000), (106, 35012), (117, 35051), (122, 35066), (135, 35120), (148, 35165), (150, 35171), (152, 35177), (154, 35183), (161, 35228), (162, 35231), (168, 35258), (191, 35318), (194, 35339), (219, 35417),

Gene: AltPhacts_36 Start: 34326, Stop: 34973, Start Num: 88

Candidate Starts for AltPhacts_36:

(42, 34176), (70, 34287), (Start: 84 @34323 has 90 MA's), (Start: 88 @34326 has 177 MA's), (Start: 115 @34407 has 1 MA's), (150, 34542), (168, 34629), (185, 34674), (200, 34752), (218, 34803), (225, 34830), (227, 34848), (243, 34926), (252, 34959), (256, 34965),

Gene: Altwerkus_36 Start: 34671, Stop: 35270, Start Num: 91

Candidate Starts for Altwerkus_36:

(27, 34467), (34, 34491), (44, 34533), (49, 34551), (53, 34566), (Start: 91 @34671 has 423 MA's), (103, 34701), (106, 34713), (117, 34752), (122, 34767), (135, 34821), (148, 34866), (150, 34872), (152, 34878), (154, 34884), (161, 34929), (162, 34932), (168, 34959), (191, 35019), (194, 35040), (219, 35118),

Gene: Altwerkus_35 Start: 34024, Stop: 34674, Start Num: 84

Candidate Starts for Altwerkus_35:

(42, 33877), (70, 33988), (Start: 84 @34024 has 90 MA's), (Start: 88 @34027 has 177 MA's), (Start: 115 @34108 has 1 MA's), (150, 34243), (168, 34330), (185, 34375), (200, 34453), (218, 34504), (225, 34531), (227, 34549), (243, 34627), (252, 34660), (256, 34666),

Gene: Amo99_62 Start: 39166, Stop: 39789, Start Num: 92

Candidate Starts for Amo99_62:

(Start: 92 @39166 has 5 MA's), (150, 39379), (152, 39385), (156, 39412), (231, 39688), (248, 39757), (249, 39763), (256, 39781),

Gene: AnClar_31 Start: 30955, Stop: 31584, Start Num: 91

Candidate Starts for AnClar_31:

(34, 30778), (Start: 91 @30955 has 423 MA's), (103, 30985), (112, 31012), (131, 31099), (135, 31105), (149, 31153), (152, 31162), (158, 31192), (161, 31213), (173, 31258), (182, 31276), (184, 31279), (219, 31402), (221, 31411), (223, 31420),

Gene: AnClar_30 Start: 30344, Stop: 30958, Start Num: 95

Candidate Starts for AnClar_30:

(Start: 95 @30344 has 16 MA's), (101, 30359), (114, 30413), (122, 30437), (128, 30476), (149, 30545), (150, 30548), (159, 30587), (163, 30611), (181, 30653), (187, 30665), (239, 30890), (243, 30911), (245, 30917), (254, 30947),

Gene: AnarQue_32 Start: 30081, Stop: 30677, Start Num: 91

Candidate Starts for AnarQue_32:

(34, 29904), (44, 29943), (46, 29952), (61, 30015), (65, 30027), (Start: 91 @30081 has 423 MA's), (103, 30111), (131, 30225), (135, 30231), (150, 30282), (152, 30288), (161, 30339), (162, 30342), (184, 30405), (190, 30417), (191, 30429), (201, 30480), (211, 30510), (219, 30528), (221, 30537), (251, 30663),

Gene: AnarQue_31 Start: 29470, Stop: 30084, Start Num: 95

Candidate Starts for AnarQue_31:

(Start: 95 @29470 has 16 MA's), (Start: 97 @29473 has 4 MA's), (114, 29539), (119, 29554), (122, 29563), (128, 29602), (136, 29623), (141, 29638), (149, 29671), (158, 29710), (159, 29713), (161, 29731), (183, 29785), (245, 30043), (254, 30073),

Gene: Anderson_36 Start: 34332, Stop: 34979, Start Num: 88

Candidate Starts for Anderson_36:

(42, 34182), (70, 34293), (Start: 84 @34329 has 90 MA's), (Start: 88 @34332 has 177 MA's), (Start: 115 @34413 has 1 MA's), (150, 34548), (168, 34635), (185, 34680), (200, 34758), (218, 34809), (225, 34836), (227, 34854), (243, 34932), (252, 34965), (256, 34971),

Gene: Anderson_37 Start: 34976, Stop: 35575, Start Num: 91

Candidate Starts for Anderson_37:

(27, 34772), (34, 34796), (44, 34838), (49, 34856), (53, 34871), (Start: 91 @34976 has 423 MA's), (103, 35006), (106, 35018), (117, 35057), (122, 35072), (135, 35126), (148, 35171), (150, 35177), (152, 35183), (154, 35189), (161, 35234), (162, 35237), (168, 35264), (191, 35324), (194, 35345), (219, 35423),

Gene: Andre_37 Start: 34975, Stop: 35574, Start Num: 91

Candidate Starts for Andre_37:

(27, 34771), (34, 34795), (44, 34837), (49, 34855), (53, 34870), (Start: 91 @34975 has 423 MA's), (103, 35005), (106, 35017), (117, 35056), (122, 35071), (135, 35125), (148, 35170), (150, 35176), (152, 35182), (154, 35188), (161, 35233), (162, 35236), (168, 35263), (191, 35323), (194, 35344), (219, 35422),

Gene: Andre_36 Start: 34331, Stop: 34978, Start Num: 88

Candidate Starts for Andre_36:

(42, 34181), (70, 34292), (Start: 84 @34328 has 90 MA's), (Start: 88 @34331 has 177 MA's), (Start: 115 @34412 has 1 MA's), (150, 34547), (168, 34634), (185, 34679), (200, 34757), (218, 34808), (225, 34835), (227, 34853), (243, 34931), (252, 34964), (256, 34970),

Gene: AngelCake_35 Start: 34351, Stop: 34998, Start Num: 88

Candidate Starts for AngelCake_35:

(70, 34312), (Start: 84 @34348 has 90 MA's), (Start: 88 @34351 has 177 MA's), (Start: 115 @34432 has 1 MA's), (150, 34567), (168, 34654), (185, 34699), (200, 34777), (218, 34828), (225, 34855), (227, 34873), (243, 34951), (252, 34984), (256, 34990),

Gene: AngelCake_36 Start: 34995, Stop: 35594, Start Num: 91

Candidate Starts for AngelCake_36:

(27, 34791), (34, 34815), (44, 34857), (49, 34875), (53, 34890), (Start: 91 @34995 has 423 MA's), (103, 35025), (106, 35037), (117, 35076), (122, 35091), (135, 35145), (148, 35190), (150, 35196), (152, 35202), (154, 35208), (161, 35253), (162, 35256), (168, 35283), (191, 35343), (194, 35364), (212, 35427), (219, 35442),

Gene: Antihero_32 Start: 33506, Stop: 34153, Start Num: 67

Candidate Starts for Antihero_32:

(Start: 67 @33506 has 25 MA's), (105, 33584), (108, 33596), (126, 33668), (137, 33692), (143, 33713), (144, 33722), (145, 33725), (148, 33734), (149, 33737), (159, 33782), (170, 33836), (177, 33854), (194, 33914), (199, 33926), (219, 33986), (225, 34010), (227, 34028), (246, 34115), (254, 34142),

Gene: Antihero_33 Start: 34150, Stop: 34755, Start Num: 91

Candidate Starts for Antihero_33:

(Start: 91 @34150 has 423 MA's), (103, 34186), (117, 34237), (118, 34240), (131, 34300), (135, 34306), (148, 34351), (151, 34360), (152, 34363), (153, 34366), (158, 34393), (168, 34444), (192, 34510), (194, 34525), (212, 34588), (227, 34645), (246, 34723), (251, 34741),

Gene: Antonia_36 Start: 34547, Stop: 35146, Start Num: 91

Candidate Starts for Antonia_36:

(27, 34343), (34, 34367), (44, 34409), (49, 34427), (53, 34442), (Start: 91 @34547 has 423 MA's), (103, 34577), (106, 34589), (117, 34628), (122, 34643), (135, 34697), (148, 34742), (150, 34748),

(152, 34754), (154, 34760), (161, 34805), (162, 34808), (168, 34835), (191, 34895), (194, 34916), (219, 34994),

Gene: Antonia_35 Start: 33900, Stop: 34550, Start Num: 84

Candidate Starts for Antonia_35:

(42, 33753), (70, 33864), (Start: 84 @33900 has 90 MA's), (Start: 88 @33903 has 177 MA's), (Start: 115 @33984 has 1 MA's), (150, 34119), (168, 34206), (185, 34251), (200, 34329), (218, 34380), (225, 34407), (227, 34425), (243, 34503), (252, 34536), (256, 34542),

Gene: Apex_33 Start: 34712, Stop: 35359, Start Num: 67

Candidate Starts for Apex_33:

(Start: 67 @34712 has 25 MA's), (105, 34790), (108, 34802), (126, 34874), (137, 34898), (144, 34928), (145, 34931), (148, 34940), (159, 34988), (170, 35042), (177, 35060), (194, 35120), (199, 35132), (219, 35192), (225, 35216), (227, 35234), (246, 35321), (247, 35324), (254, 35348),

Gene: Apex_34 Start: 35356, Stop: 35961, Start Num: 91

Candidate Starts for Apex_34:

(Start: 91 @35356 has 423 MA's), (103, 35392), (112, 35419), (117, 35443), (118, 35446), (131, 35506), (135, 35512), (148, 35557), (151, 35566), (152, 35569), (153, 35572), (158, 35599), (161, 35620), (168, 35650), (192, 35716), (194, 35731), (212, 35794), (227, 35851), (246, 35929), (251, 35947),

Gene: Apizium_35 Start: 34092, Stop: 34742, Start Num: 84

Candidate Starts for Apizium_35:

(42, 33945), (70, 34056), (Start: 84 @34092 has 90 MA's), (Start: 88 @34095 has 177 MA's), (Start: 115 @34176 has 1 MA's), (150, 34311), (168, 34398), (185, 34443), (200, 34521), (218, 34572), (225, 34599), (227, 34617), (243, 34695), (252, 34728), (256, 34734),

Gene: Apizium_36 Start: 34739, Stop: 35338, Start Num: 91

Candidate Starts for Apizium_36:

(27, 34535), (34, 34559), (44, 34601), (49, 34619), (53, 34634), (Start: 91 @34739 has 423 MA's), (103, 34769), (106, 34781), (117, 34820), (122, 34835), (135, 34889), (148, 34934), (150, 34940), (152, 34946), (154, 34952), (161, 34997), (162, 35000), (168, 35027), (191, 35087), (194, 35108), (219, 35186),

Gene: Arbiter_36 Start: 34765, Stop: 35409, Start Num: 86

Candidate Starts for Arbiter_36:

(37, 34600), (61, 34711), (Start: 86 @34765 has 45 MA's), (Start: 89 @34774 has 1 MA's), (112, 34843), (118, 34870), (121, 34879), (124, 34888), (150, 34996), (154, 35008), (181, 35101), (195, 35167), (200, 35188), (205, 35203), (207, 35209), (214, 35230), (220, 35242), (254, 35398),

Gene: Arbiter_37 Start: 35555, Stop: 36154, Start Num: 91

Candidate Starts for Arbiter_37:

(82, 35534), (Start: 91 @35555 has 423 MA's), (103, 35585), (109, 35606), (117, 35636), (118, 35639), (135, 35705), (150, 35756), (151, 35759), (152, 35762), (158, 35792), (161, 35813), (184, 35879), (192, 35909), (217, 35999), (219, 36002), (223, 36020), (227, 36044), (243, 36113), (251, 36140),

Gene: Ares_36 Start: 34749, Stop: 35393, Start Num: 86

Candidate Starts for Ares_36:

(22, 34548), (Start: 86 @34749 has 45 MA's), (Start: 89 @34758 has 1 MA's), (112, 34827), (118, 34854), (121, 34863), (146, 34968), (150, 34980), (154, 34992), (181, 35085), (195, 35151), (200, 35172), (205, 35187), (207, 35193), (220, 35226), (254, 35382),

Gene: Ares_38 Start: 35539, Stop: 36138, Start Num: 91

Candidate Starts for Ares_38:

(82, 35518), (Start: 91 @35539 has 423 MA's), (103, 35569), (Start: 104 @35572 has 1 MA's), (109, 35590), (117, 35620), (118, 35623), (135, 35689), (150, 35740), (151, 35743), (152, 35746), (158, 35776), (161, 35797), (184, 35863), (192, 35893), (217, 35983), (219, 35986), (223, 36004), (227, 36028), (243, 36097), (251, 36124),

Gene: Argie_31 Start: 32516, Stop: 33115, Start Num: 91

Candidate Starts for Argie_31:

(Start: 91 @32516 has 423 MA's), (103, 32546), (109, 32567), (112, 32573), (131, 32660), (135, 32666), (150, 32717), (154, 32729), (158, 32753), (161, 32774), (165, 32792), (171, 32810), (182, 32837), (225, 32987), (227, 33005), (245, 33080), (251, 33101),

Gene: Argie_29 Start: 31722, Stop: 32366, Start Num: 86

Candidate Starts for Argie_29:

(Start: 86 @31722 has 45 MA's), (93, 31740), (103, 31773), (111, 31797), (121, 31836), (124, 31845), (136, 31902), (150, 31953), (152, 31959), (154, 31965), (169, 32040), (185, 32067), (195, 32124), (199, 32136), (207, 32166), (227, 32241), (242, 32313),

Gene: Ashraf_36 Start: 34543, Stop: 35142, Start Num: 91

Candidate Starts for Ashraf_36:

(26, 34336), (27, 34339), (34, 34363), (44, 34405), (49, 34423), (53, 34438), (Start: 91 @34543 has 423 MA's), (103, 34573), (106, 34585), (117, 34624), (122, 34639), (135, 34693), (148, 34738), (150, 34744), (152, 34750), (154, 34756), (161, 34801), (162, 34804), (168, 34831), (191, 34891), (194, 34912), (212, 34975), (219, 34990),

Gene: Ashraf_35 Start: 33899, Stop: 34546, Start Num: 88

Candidate Starts for Ashraf_35:

(70, 33860), (Start: 84 @33896 has 90 MA's), (Start: 88 @33899 has 177 MA's), (Start: 115 @33980 has 1 MA's), (150, 34115), (168, 34202), (185, 34247), (199, 34316), (200, 34325), (218, 34376), (227, 34421), (243, 34499), (252, 34532), (256, 34538),

Gene: Athena_38 Start: 35677, Stop: 36276, Start Num: 91

Candidate Starts for Athena_38:

(Start: 91 @35677 has 423 MA's), (103, 35707), (112, 35734), (131, 35821), (135, 35827), (154, 35890), (158, 35914), (191, 36025), (212, 36109), (217, 36121), (230, 36181), (251, 36262),

Gene: Athena_37 Start: 35027, Stop: 35680, Start Num: 85

Candidate Starts for Athena_37:

(Start: 85 @35027 has 45 MA's), (112, 35108), (117, 35132), (149, 35255), (183, 35381), (190, 35396), (203, 35471), (244, 35636), (245, 35639), (252, 35666),

Gene: Audrey_36 Start: 34276, Stop: 34929, Start Num: 85

Candidate Starts for Audrey_36:

(Start: 85 @34276 has 45 MA's), (112, 34357), (117, 34381), (149, 34504), (183, 34630), (190, 34645), (203, 34720), (244, 34885), (245, 34888), (252, 34915),

Gene: Audrey_37 Start: 34926, Stop: 35525, Start Num: 91

Candidate Starts for Audrey_37:

(Start: 91 @34926 has 423 MA's), (103, 34956), (112, 34983), (131, 35070), (135, 35076), (154, 35139), (158, 35163), (161, 35184), (191, 35274), (212, 35358), (217, 35370), (230, 35430), (245, 35490), (251, 35511),

Gene: Austelle_35 Start: 35812, Stop: 36417, Start Num: 91

Candidate Starts for Austelle_35:

(Start: 91 @35812 has 423 MA's), (103, 35848), (112, 35875), (117, 35899), (118, 35902), (131, 35962), (135, 35968), (148, 36013), (151, 36022), (152, 36025), (153, 36028), (158, 36055), (161, 36076), (168, 36106), (192, 36172), (194, 36187), (212, 36250), (227, 36307), (246, 36385), (251, 36403),

Gene: Austelle_34 Start: 35168, Stop: 35815, Start Num: 67

Candidate Starts for Austelle_34:

(Start: 67 @35168 has 25 MA's), (105, 35246), (108, 35258), (126, 35330), (137, 35354), (144, 35384), (145, 35387), (148, 35396), (159, 35444), (170, 35498), (177, 35516), (194, 35576), (199, 35588), (219, 35648), (225, 35672), (227, 35690), (246, 35777), (247, 35780), (254, 35804),

Gene: Axumite_30 Start: 28099, Stop: 28731, Start Num: 91

Candidate Starts for Axumite_30:

(34, 27922), (Start: 91 @28099 has 423 MA's), (103, 28132), (112, 28159), (135, 28252), (149, 28300), (152, 28309), (161, 28360), (182, 28423), (184, 28426), (199, 28489), (219, 28549), (221, 28558), (223, 28567), (248, 28705),

Gene: Axumite_29 Start: 27488, Stop: 28102, Start Num: 95

Candidate Starts for Axumite_29:

(45, 27338), (Start: 95 @27488 has 16 MA's), (101, 27503), (Start: 104 @27521 has 1 MA's), (114, 27557), (122, 27581), (128, 27620), (149, 27689), (150, 27692), (151, 27695), (181, 27797), (239, 28034), (243, 28055), (245, 28061), (254, 28091),

Gene: Badfish_36 Start: 34443, Stop: 35009, Start Num: 115

Candidate Starts for Badfish_36:

(Start: 115 @34443 has 1 MA's), (150, 34578), (168, 34665), (185, 34710), (200, 34788), (218, 34839), (225, 34866), (227, 34884), (243, 34962), (252, 34995), (256, 35001),

Gene: Badfish_37 Start: 35006, Stop: 35605, Start Num: 91

Candidate Starts for Badfish_37:

(27, 34802), (34, 34826), (44, 34868), (49, 34886), (53, 34901), (Start: 91 @35006 has 423 MA's), (103, 35036), (106, 35048), (117, 35087), (122, 35102), (135, 35156), (148, 35201), (150, 35207), (152, 35213), (154, 35219), (161, 35264), (162, 35267), (168, 35294), (191, 35354), (194, 35375), (219, 35453),

Gene: Bae_35 Start: 35510, Stop: 36118, Start Num: 91

Candidate Starts for Bae_35:

(Start: 91 @35510 has 423 MA's), (103, 35540), (135, 35660), (141, 35675), (150, 35711), (152, 35717), (154, 35723), (162, 35771), (210, 35936), (212, 35942), (236, 36044), (246, 36086), (251, 36104),

Gene: Bae_34 Start: 34774, Stop: 35403, Start Num: 90

Candidate Starts for Bae_34:

(Start: 90 @34774 has 18 MA's), (114, 34852), (118, 34864), (129, 34924), (149, 34990), (154, 35005), (161, 35050), (181, 35098), (183, 35104), (227, 35278), (248, 35371), (254, 35392),

Gene: Baloo_36 Start: 34279, Stop: 34932, Start Num: 85

Candidate Starts for Baloo_36:

(Start: 85 @34279 has 45 MA's), (112, 34360), (117, 34384), (149, 34507), (183, 34633), (190, 34648), (203, 34723), (244, 34888), (245, 34891), (252, 34918),

Gene: Baloo_37 Start: 34929, Stop: 35528, Start Num: 91

Candidate Starts for Baloo_37:

(Start: 91 @34929 has 423 MA's), (103, 34959), (112, 34986), (131, 35073), (135, 35079), (154, 35142), (158, 35166), (161, 35187), (191, 35277), (212, 35361), (217, 35373), (230, 35433), (251, 35514),

Gene: Bananafish_36 Start: 34685, Stop: 35329, Start Num: 86

Candidate Starts for Bananafish_36:

(37, 34520), (61, 34631), (Start: 86 @34685 has 45 MA's), (Start: 89 @34694 has 1 MA's), (112, 34763), (118, 34790), (121, 34799), (124, 34808), (150, 34916), (154, 34928), (181, 35021), (195, 35087), (200, 35108), (205, 35123), (207, 35129), (214, 35150), (220, 35162), (254, 35318),

Gene: Bananafish_38 Start: 35475, Stop: 36074, Start Num: 91

Candidate Starts for Bananafish_38:

(82, 35454), (Start: 91 @35475 has 423 MA's), (103, 35505), (109, 35526), (117, 35556), (118, 35559), (135, 35625), (150, 35676), (151, 35679), (152, 35682), (158, 35712), (161, 35733), (184, 35799), (192, 35829), (217, 35919), (219, 35922), (223, 35940), (227, 35964), (243, 36033), (251, 36060),

Gene: Banjo_36 Start: 34681, Stop: 35280, Start Num: 91

Candidate Starts for Banjo_36:

(27, 34477), (34, 34501), (44, 34543), (49, 34561), (53, 34576), (Start: 91 @34681 has 423 MA's), (103, 34711), (106, 34723), (117, 34762), (122, 34777), (135, 34831), (148, 34876), (150, 34882), (152, 34888), (154, 34894), (161, 34939), (162, 34942), (168, 34969), (191, 35029), (194, 35050), (219, 35128),

Gene: Banjo_35 Start: 34037, Stop: 34684, Start Num: 88

Candidate Starts for Banjo_35:

(70, 33998), (Start: 84 @34034 has 90 MA's), (Start: 88 @34037 has 177 MA's), (Start: 115 @34118 has 1 MA's), (150, 34253), (168, 34340), (185, 34385), (200, 34463), (218, 34514), (225, 34541), (227, 34559), (243, 34637), (252, 34670), (256, 34676),

Gene: Basato_37 Start: 34616, Stop: 35263, Start Num: 88

Candidate Starts for Basato_37:

(42, 34466), (70, 34577), (Start: 84 @34613 has 90 MA's), (Start: 88 @34616 has 177 MA's), (Start: 115 @34697 has 1 MA's), (150, 34832), (168, 34919), (185, 34964), (200, 35042), (218, 35093), (225, 35120), (227, 35138), (243, 35216), (252, 35249), (256, 35255),

Gene: Basato_38 Start: 35260, Stop: 35859, Start Num: 91

Candidate Starts for Basato_38:

(27, 35056), (34, 35080), (44, 35122), (49, 35140), (53, 35155), (Start: 91 @35260 has 423 MA's), (103, 35290), (106, 35302), (117, 35341), (122, 35356), (123, 35359), (135, 35410), (148, 35455), (150, 35461), (152, 35467), (154, 35473), (161, 35518), (162, 35521), (168, 35548), (191, 35608), (194, 35629), (219, 35707),

Gene: BatteryCK_36 Start: 34600, Stop: 35199, Start Num: 91

Candidate Starts for BatteryCK_36:

(26, 34393), (27, 34396), (34, 34420), (44, 34462), (49, 34480), (53, 34495), (Start: 91 @34600 has 423 MA's), (103, 34630), (106, 34642), (117, 34681), (122, 34696), (135, 34750), (148, 34795), (150, 34801), (152, 34807), (154, 34813), (161, 34858), (162, 34861), (168, 34888), (191, 34948), (194, 34969), (212, 35032), (219, 35047),

Gene: BatteryCK_35 Start: 33956, Stop: 34603, Start Num: 88

Candidate Starts for BatteryCK_35:

(70, 33917), (Start: 84 @33953 has 90 MA's), (Start: 88 @33956 has 177 MA's), (Start: 115 @34037 has 1 MA's), (150, 34172), (168, 34259), (185, 34304), (199, 34373), (200, 34382), (218, 34433), (227, 34478), (243, 34556), (252, 34589), (256, 34595),

Gene: Beaglebox_35 Start: 34058, Stop: 34705, Start Num: 88

Candidate Starts for Beaglebox_35:

(42, 33908), (70, 34019), (Start: 84 @34055 has 90 MA's), (Start: 88 @34058 has 177 MA's), (Start: 115 @34139 has 1 MA's), (150, 34274), (168, 34361), (185, 34406), (200, 34484), (218, 34535), (225, 34562), (227, 34580), (243, 34658), (252, 34691), (256, 34697),

Gene: Beaglebox_36 Start: 34702, Stop: 35301, Start Num: 91

Candidate Starts for Beaglebox_36:

(27, 34498), (34, 34522), (44, 34564), (49, 34582), (53, 34597), (Start: 91 @34702 has 423 MA's), (103, 34732), (106, 34744), (117, 34783), (122, 34798), (135, 34852), (148, 34897), (150, 34903), (152, 34909), (154, 34915), (161, 34960), (162, 34963), (168, 34990), (191, 35050), (194, 35071), (219, 35149),

Gene: Ben11_36 Start: 34748, Stop: 35347, Start Num: 91

Candidate Starts for Ben11_36:

(Start: 91 @34748 has 423 MA's), (103, 34778), (112, 34805), (131, 34892), (135, 34898), (154, 34961), (158, 34985), (161, 35006), (191, 35096), (212, 35180), (217, 35192), (230, 35252), (245, 35312), (251, 35333),

Gene: Ben11_35 Start: 34098, Stop: 34751, Start Num: 85

Candidate Starts for Ben11_35:

(Start: 85 @34098 has 45 MA's), (112, 34179), (117, 34203), (149, 34326), (183, 34452), (190, 34467), (203, 34542), (244, 34707), (252, 34737),

Gene: Bernardo_37 Start: 35016, Stop: 35615, Start Num: 91

Candidate Starts for Bernardo_37:

(Start: 91 @35016 has 423 MA's), (103, 35046), (112, 35073), (131, 35160), (135, 35166), (154, 35229), (158, 35253), (161, 35274), (191, 35364), (212, 35448), (217, 35460), (230, 35520), (245, 35580), (251, 35601),

Gene: Bernardo_36 Start: 34366, Stop: 35019, Start Num: 85

Candidate Starts for Bernardo_36:

(Start: 85 @34366 has 45 MA's), (112, 34447), (117, 34471), (149, 34594), (183, 34720), (190, 34735), (203, 34810), (244, 34975), (245, 34978), (252, 35005),

Gene: BiggityBass_29 Start: 29751, Stop: 30365, Start Num: 95

Candidate Starts for BiggityBass_29:

(Start: 95 @29751 has 16 MA's), (101, 29766), (114, 29820), (149, 29952), (150, 29955), (163, 30018), (181, 30060), (187, 30072), (195, 30126), (239, 30297), (243, 30318), (245, 30324), (254, 30354),

Gene: BiggityBass_30 Start: 30362, Stop: 30991, Start Num: 91

Candidate Starts for BiggityBass_30:

(34, 30185), (Start: 91 @30362 has 423 MA's), (103, 30392), (112, 30419), (131, 30506), (135, 30512), (149, 30560), (152, 30569), (157, 30596), (158, 30599), (161, 30620), (173, 30665), (182, 30683), (184, 30686), (219, 30809), (221, 30818), (223, 30827), (227, 30851),

Gene: BirdsNest_39 Start: 33925, Stop: 34533, Start Num: 91

Candidate Starts for BirdsNest_39:

(3, 33469), (27, 33724), (34, 33748), (Start: 91 @33925 has 423 MA's), (96, 33931), (103, 33955), (131, 34069), (135, 34075), (152, 34132), (219, 34372), (221, 34381), (234, 34459), (246, 34501),

Gene: BirdsNest_38 Start: 33284, Stop: 33928, Start Num: 90

Candidate Starts for BirdsNest_38:

(58, 33194), (63, 33218), (71, 33236), (75, 33242), (Start: 90 @33284 has 18 MA's), (119, 33377), (123, 33389), (141, 33464), (158, 33536), (161, 33557), (173, 33608), (195, 33689), (247, 33893), (254, 33917),

Gene: Bishoperium_35 Start: 34046, Stop: 34693, Start Num: 88

Candidate Starts for Bishoperium_35:

(70, 34007), (Start: 84 @34043 has 90 MA's), (Start: 88 @34046 has 177 MA's), (Start: 115 @34127 has 1 MA's), (150, 34262), (168, 34349), (185, 34394), (200, 34472), (218, 34523), (225, 34550), (227, 34568), (243, 34646), (252, 34679), (256, 34685),

Gene: Bishoperium_36 Start: 34690, Stop: 35289, Start Num: 91

Candidate Starts for Bishoperium_36:

(27, 34486), (34, 34510), (44, 34552), (49, 34570), (53, 34585), (Start: 91 @34690 has 423 MA's), (103, 34720), (106, 34732), (117, 34771), (122, 34786), (135, 34840), (148, 34885), (150, 34891), (152, 34897), (154, 34903), (161, 34948), (162, 34951), (168, 34978), (191, 35038), (194, 35059), (219, 35137),

Gene: BlackStallion_36 Start: 34348, Stop: 34995, Start Num: 88

Candidate Starts for BlackStallion_36:

(70, 34309), (Start: 84 @34345 has 90 MA's), (Start: 88 @34348 has 177 MA's), (Start: 115 @34429 has 1 MA's), (150, 34564), (168, 34651), (185, 34696), (200, 34774), (218, 34825), (225, 34852), (227, 34870), (243, 34948), (252, 34981), (256, 34987),

Gene: BlackStallion_37 Start: 34992, Stop: 35591, Start Num: 91

Candidate Starts for BlackStallion_37:

(27, 34788), (34, 34812), (44, 34854), (49, 34872), (53, 34887), (Start: 91 @34992 has 423 MA's), (103, 35022), (106, 35034), (117, 35073), (122, 35088), (135, 35142), (148, 35187), (150, 35193), (152, 35199), (154, 35205), (161, 35250), (162, 35253), (168, 35280), (191, 35340), (194, 35361), (219, 35439),

Gene: Blocker23_36 Start: 34803, Stop: 35447, Start Num: 86

Candidate Starts for Blocker23_36:

(37, 34638), (61, 34749), (Start: 86 @34803 has 45 MA's), (Start: 89 @34812 has 1 MA's), (112, 34881), (118, 34908), (121, 34917), (124, 34926), (150, 35034), (154, 35046), (181, 35139), (195, 35205), (200, 35226), (205, 35241), (207, 35247), (214, 35268), (220, 35280), (254, 35436),

Gene: Blocker23_38 Start: 35593, Stop: 36192, Start Num: 91

Candidate Starts for Blocker23_38:

(82, 35572), (Start: 91 @35593 has 423 MA's), (103, 35623), (109, 35644), (117, 35674), (118, 35677), (135, 35743), (150, 35794), (151, 35797), (152, 35800), (158, 35830), (161, 35851), (184, 35917), (192, 35947), (217, 36037), (219, 36040), (223, 36058), (227, 36082), (243, 36151), (251, 36178),

Gene: BlueHusk_37 Start: 34489, Stop: 35088, Start Num: 91

Candidate Starts for BlueHusk_37:

(27, 34285), (34, 34309), (44, 34351), (49, 34369), (53, 34384), (Start: 91 @34489 has 423 MA's), (103, 34519), (106, 34531), (117, 34570), (122, 34585), (123, 34588), (135, 34639), (148, 34684), (150, 34690), (152, 34696), (154, 34702), (161, 34747), (162, 34750), (168, 34777), (191, 34837), (194, 34858), (219, 34936),

Gene: BlueHusk_36 Start: 33845, Stop: 34492, Start Num: 88

Candidate Starts for BlueHusk_36:

(42, 33695), (70, 33806), (Start: 84 @33842 has 90 MA's), (Start: 88 @33845 has 177 MA's), (Start: 115 @33926 has 1 MA's), (150, 34061), (168, 34148), (185, 34193), (200, 34271), (218, 34322), (225, 34349), (227, 34367), (243, 34445), (252, 34478), (256, 34484),

Gene: Bluephacebaby_36 Start: 34687, Stop: 35286, Start Num: 91

Candidate Starts for Bluephacebaby_36:

(27, 34483), (34, 34507), (44, 34549), (49, 34567), (53, 34582), (Start: 91 @34687 has 423 MA's), (103, 34717), (106, 34729), (117, 34768), (122, 34783), (135, 34837), (148, 34882), (150, 34888), (152, 34894), (154, 34900), (161, 34945), (162, 34948), (168, 34975), (191, 35035), (194, 35056), (219, 35134),

Gene: Bluephacebaby_35 Start: 34043, Stop: 34690, Start Num: 88

Candidate Starts for Bluephacebaby_35:

(42, 33893), (70, 34004), (Start: 84 @34040 has 90 MA's), (Start: 88 @34043 has 177 MA's), (Start: 115 @34124 has 1 MA's), (150, 34259), (168, 34346), (185, 34391), (200, 34469), (218, 34520), (225, 34547), (227, 34565), (243, 34643), (252, 34676), (256, 34682),

Gene: BobRoss2024_28 Start: 27520, Stop: 28119, Start Num: 101

Candidate Starts for BobRoss2024_28:

(Start: 91 @27499 has 423 MA's), (Start: 95 @27505 has 16 MA's), (101, 27520), (112, 27559), (114, 27574), (128, 27637), (136, 27658), (143, 27682), (149, 27706), (159, 27748), (181, 27814), (185, 27823), (199, 27892), (227, 27994), (245, 28078), (254, 28108),

Gene: BobRoss2024_29 Start: 28116, Stop: 28712, Start Num: 257

Candidate Starts for BobRoss2024_29:

(35, 27312), (38, 27318), (40, 27321), (59, 27414), (61, 27426), (113, 27567), (202, 27906), (212, 27939), (228, 27996), (241, 28062), (Start: 257 @28116 has 2 MA's), (258, 28146), (261, 28173), (266, 28260), (268, 28266), (273, 28323), (274, 28326), (275, 28329), (280, 28404), (283, 28440), (288, 28545), (289, 28554), (290, 28563), (292, 28572), (293, 28581), (295, 28605), (299, 28698),

Gene: BobbyK_33 Start: 34537, Stop: 35184, Start Num: 67

Candidate Starts for BobbyK_33:

(Start: 67 @34537 has 25 MA's), (105, 34615), (108, 34627), (126, 34699), (137, 34723), (143, 34744), (144, 34753), (145, 34756), (148, 34765), (159, 34813), (170, 34867), (177, 34885), (194, 34945), (199, 34957), (219, 35017), (223, 35035), (225, 35041), (227, 35059), (246, 35146), (247, 35149), (254, 35173),

Gene: BobbyK_34 Start: 35181, Stop: 35786, Start Num: 91

Candidate Starts for BobbyK_34:

(Start: 91 @35181 has 423 MA's), (103, 35217), (117, 35268), (118, 35271), (135, 35337), (148, 35382), (151, 35391), (152, 35394), (153, 35397), (158, 35424), (161, 35445), (162, 35448), (168, 35475), (192, 35541), (194, 35556), (212, 35619), (227, 35676), (246, 35754), (251, 35772),

Gene: Boehler_36 Start: 34349, Stop: 34996, Start Num: 88

Candidate Starts for Boehler_36:

(70, 34310), (Start: 84 @34346 has 90 MA's), (Start: 88 @34349 has 177 MA's), (Start: 115 @34430 has 1 MA's), (150, 34565), (168, 34652), (185, 34697), (200, 34775), (218, 34826), (225, 34853), (227, 34871), (243, 34949), (252, 34982), (256, 34988),

Gene: Boehler_37 Start: 34993, Stop: 35592, Start Num: 91

Candidate Starts for Boehler_37:

(27, 34789), (34, 34813), (44, 34855), (49, 34873), (53, 34888), (Start: 91 @34993 has 423 MA's), (103, 35023), (106, 35035), (117, 35074), (122, 35089), (135, 35143), (148, 35188), (150, 35194), (152, 35200), (154, 35206), (161, 35251), (162, 35254), (168, 35281), (191, 35341), (194, 35362), (219, 35440),

Gene: Boyle_38 Start: 35594, Stop: 36193, Start Num: 91

Candidate Starts for Boyle_38:

(82, 35573), (Start: 91 @35594 has 423 MA's), (103, 35624), (109, 35645), (117, 35675), (118, 35678), (135, 35744), (150, 35795), (151, 35798), (152, 35801), (158, 35831), (161, 35852), (184, 35918), (192, 35948), (217, 36038), (219, 36041), (223, 36059), (227, 36083), (243, 36152), (251, 36179),

Gene: Boyle_36 Start: 34804, Stop: 35448, Start Num: 86

Candidate Starts for Boyle_36:

(37, 34639), (61, 34750), (Start: 86 @34804 has 45 MA's), (Start: 89 @34813 has 1 MA's), (112, 34882), (118, 34909), (121, 34918), (124, 34927), (150, 35035), (154, 35047), (181, 35140), (195, 35206), (200, 35227), (205, 35242), (207, 35248), (214, 35269), (220, 35281), (254, 35437),

Gene: Briakila_38 Start: 35696, Stop: 36295, Start Num: 91

Candidate Starts for Briakila_38:

(26, 35492), (Start: 91 @35696 has 423 MA's), (103, 35726), (112, 35753), (131, 35840), (135, 35846), (154, 35909), (158, 35933), (191, 36044), (212, 36128), (217, 36140), (230, 36200), (245, 36260), (251, 36281),

Gene: Briakila_37 Start: 35046, Stop: 35699, Start Num: 85

Candidate Starts for Briakila_37:

(Start: 85 @35046 has 45 MA's), (112, 35127), (117, 35151), (149, 35274), (183, 35400), (190, 35415), (203, 35490), (244, 35655), (252, 35685),

Gene: Brilliant_36 Start: 34054, Stop: 34701, Start Num: 88

Candidate Starts for Brilliant_36:

(70, 34015), (Start: 84 @34051 has 90 MA's), (Start: 88 @34054 has 177 MA's), (Start: 115 @34135 has 1 MA's), (150, 34270), (168, 34357), (185, 34402), (199, 34471), (200, 34480), (218, 34531), (227, 34576), (243, 34654), (252, 34687), (256, 34693),

Gene: Brilliant_37 Start: 34698, Stop: 35297, Start Num: 91

Candidate Starts for Brilliant_37:

(26, 34491), (27, 34494), (34, 34518), (44, 34560), (49, 34578), (53, 34593), (Start: 91 @34698 has 423 MA's), (103, 34728), (106, 34740), (117, 34779), (122, 34794), (135, 34848), (148, 34893), (150, 34899), (152, 34905), (154, 34911), (161, 34956), (162, 34959), (168, 34986), (191, 35046), (194, 35067), (212, 35130), (219, 35145),

Gene: BrownCNA_34 Start: 34798, Stop: 35445, Start Num: 67

Candidate Starts for BrownCNA_34:

(Start: 67 @34798 has 25 MA's), (105, 34876), (108, 34888), (126, 34960), (137, 34984), (143, 35005), (144, 35014), (145, 35017), (148, 35026), (159, 35074), (177, 35146), (194, 35206), (199, 35218), (219, 35278), (225, 35302), (227, 35320), (246, 35407), (247, 35410), (254, 35434),

Gene: BrownCNA_35 Start: 35442, Stop: 36047, Start Num: 257

Candidate Starts for BrownCNA_35:

(103, 34869), (138, 34986), (153, 35040), (155, 35049), (189, 35172), (206, 35241), (213, 35265), (228, 35322), (Start: 257 @35442 has 2 MA's), (260, 35478), (262, 35505), (264, 35529), (265, 35532), (270, 35598), (271, 35643), (274, 35652), (275, 35655), (276, 35658), (277, 35685), (279, 35706),

(281, 35736), (285, 35802), (286, 35817), (289, 35880), (291, 35892), (296, 35937), (298, 36015), (300, 36033),

Gene: Brownie5_38 Start: 35600, Stop: 36199, Start Num: 91

Candidate Starts for Brownie5_38:

(82, 35579), (Start: 91 @35600 has 423 MA's), (103, 35630), (109, 35651), (117, 35681), (118, 35684), (135, 35750), (150, 35801), (151, 35804), (152, 35807), (158, 35837), (161, 35858), (184, 35924), (192, 35954), (217, 36044), (219, 36047), (223, 36065), (227, 36089), (243, 36158), (251, 36185),

Gene: Brownie5_36 Start: 34810, Stop: 35454, Start Num: 86

Candidate Starts for Brownie5_36:

(37, 34645), (61, 34756), (Start: 86 @34810 has 45 MA's), (Start: 89 @34819 has 1 MA's), (112, 34888), (118, 34915), (121, 34924), (124, 34933), (150, 35041), (154, 35053), (181, 35146), (195, 35212), (200, 35233), (205, 35248), (207, 35254), (214, 35275), (220, 35287), (254, 35443),

Gene: Buckeye_37 Start: 35010, Stop: 35609, Start Num: 91

Candidate Starts for Buckeye_37:

(27, 34806), (34, 34830), (44, 34872), (49, 34890), (53, 34905), (Start: 91 @35010 has 423 MA's), (103, 35040), (106, 35052), (117, 35091), (122, 35106), (135, 35160), (148, 35205), (150, 35211), (152, 35217), (154, 35223), (161, 35268), (162, 35271), (168, 35298), (191, 35358), (194, 35379), (219, 35457),

Gene: Buckeye_36 Start: 34366, Stop: 35013, Start Num: 88

Candidate Starts for Buckeye_36:

(42, 34216), (70, 34327), (Start: 84 @34363 has 90 MA's), (Start: 88 @34366 has 177 MA's), (Start: 115 @34447 has 1 MA's), (150, 34582), (168, 34669), (185, 34714), (200, 34792), (218, 34843), (225, 34870), (227, 34888), (243, 34966), (252, 34999), (256, 35005),

Gene: Burr_35 Start: 34043, Stop: 34690, Start Num: 88

Candidate Starts for Burr_35:

(42, 33893), (70, 34004), (Start: 84 @34040 has 90 MA's), (Start: 88 @34043 has 177 MA's), (Start: 115 @34124 has 1 MA's), (150, 34259), (168, 34346), (185, 34391), (200, 34469), (218, 34520), (225, 34547), (227, 34565), (243, 34643), (252, 34676), (256, 34682),

Gene: Burr_36 Start: 34687, Stop: 35286, Start Num: 91

Candidate Starts for Burr_36:

(27, 34483), (34, 34507), (44, 34549), (49, 34567), (53, 34582), (Start: 91 @34687 has 423 MA's), (103, 34717), (106, 34729), (117, 34768), (122, 34783), (135, 34837), (148, 34882), (150, 34888), (152, 34894), (154, 34900), (161, 34945), (162, 34948), (168, 34975), (191, 35035), (194, 35056), (219, 35134),

Gene: CRB2_39 Start: 37622, Stop: 38230, Start Num: 91

Candidate Starts for CRB2_39:

(Start: 91 @37622 has 423 MA's), (103, 37652), (117, 37703), (131, 37766), (135, 37772), (150, 37823), (161, 37880), (194, 37991), (210, 38048), (217, 38066), (219, 38069), (227, 38111), (233, 38135), (236, 38156),

Gene: CaiB_32 Start: 30067, Stop: 30663, Start Num: 91

Candidate Starts for CaiB_32:

(34, 29890), (44, 29929), (46, 29938), (61, 30001), (65, 30013), (Start: 91 @30067 has 423 MA's), (103, 30097), (131, 30211), (135, 30217), (150, 30268), (152, 30274), (161, 30325), (162, 30328), (184, 30391), (190, 30403), (191, 30415), (201, 30466), (211, 30496), (219, 30514), (221, 30523), (251, 30649),

Gene: CaiB_31 Start: 29459, Stop: 30070, Start Num: 97

Candidate Starts for CaiB_31:

(Start: 95 @29456 has 16 MA's), (Start: 97 @29459 has 4 MA's), (114, 29525), (119, 29540), (122, 29549), (128, 29588), (136, 29609), (141, 29624), (149, 29657), (158, 29696), (159, 29699), (161, 29717), (183, 29771), (245, 30029), (254, 30059),

Gene: Calamitous_38 Start: 35480, Stop: 36079, Start Num: 91

Candidate Starts for Calamitous_38:

(82, 35459), (Start: 91 @35480 has 423 MA's), (103, 35510), (109, 35531), (117, 35561), (118, 35564), (135, 35630), (150, 35681), (151, 35684), (152, 35687), (158, 35717), (161, 35738), (184, 35804), (192, 35834), (217, 35924), (219, 35927), (223, 35945), (227, 35969), (243, 36038), (251, 36065),

Gene: Calamitous_36 Start: 34690, Stop: 35334, Start Num: 86

Candidate Starts for Calamitous_36:

(37, 34525), (61, 34636), (Start: 86 @34690 has 45 MA's), (Start: 89 @34699 has 1 MA's), (112, 34768), (118, 34795), (121, 34804), (124, 34813), (150, 34921), (154, 34933), (181, 35026), (195, 35092), (200, 35113), (205, 35128), (207, 35134), (214, 35155), (220, 35167), (254, 35323),

Gene: CamL_37 Start: 34988, Stop: 35587, Start Num: 91

Candidate Starts for CamL_37:

(27, 34784), (34, 34808), (44, 34850), (49, 34868), (53, 34883), (Start: 91 @34988 has 423 MA's), (103, 35018), (106, 35030), (117, 35069), (122, 35084), (135, 35138), (148, 35183), (150, 35189), (152, 35195), (154, 35201), (161, 35246), (162, 35249), (168, 35276), (191, 35336), (194, 35357), (219, 35435),

Gene: CamL_36 Start: 34341, Stop: 34991, Start Num: 84

Candidate Starts for CamL_36:

(70, 34305), (Start: 84 @34341 has 90 MA's), (Start: 88 @34344 has 177 MA's), (Start: 115 @34425 has 1 MA's), (150, 34560), (168, 34647), (185, 34692), (200, 34770), (218, 34821), (225, 34848), (227, 34866), (243, 34944), (252, 34977), (256, 34983),

Gene: CampRoach_37 Start: 34978, Stop: 35577, Start Num: 91

Candidate Starts for CampRoach_37:

(26, 34771), (27, 34774), (34, 34798), (44, 34840), (49, 34858), (53, 34873), (Start: 91 @34978 has 423 MA's), (103, 35008), (106, 35020), (117, 35059), (122, 35074), (135, 35128), (148, 35173), (150, 35179), (152, 35185), (154, 35191), (161, 35236), (162, 35239), (168, 35266), (191, 35326), (194, 35347), (212, 35410), (219, 35425),

Gene: CampRoach_36 Start: 34334, Stop: 34981, Start Num: 88

Candidate Starts for CampRoach_36:

(70, 34295), (Start: 84 @34331 has 90 MA's), (Start: 88 @34334 has 177 MA's), (Start: 115 @34415 has 1 MA's), (150, 34550), (168, 34637), (185, 34682), (199, 34751), (200, 34760), (218, 34811), (227, 34856), (243, 34934), (252, 34967), (256, 34973),

Gene: Cannibal_36 Start: 34327, Stop: 34974, Start Num: 88

Candidate Starts for Cannibal_36:

(70, 34288), (Start: 84 @34324 has 90 MA's), (Start: 88 @34327 has 177 MA's), (Start: 115 @34408 has 1 MA's), (150, 34543), (168, 34630), (185, 34675), (200, 34753), (218, 34804), (225, 34831), (227, 34849), (243, 34927), (252, 34960), (256, 34966),

Gene: Cannibal_37 Start: 34971, Stop: 35570, Start Num: 91

Candidate Starts for Cannibal_37:

(27, 34767), (34, 34791), (44, 34833), (49, 34851), (53, 34866), (Start: 91 @34971 has 423 MA's), (103, 35001), (106, 35013), (117, 35052), (122, 35067), (135, 35121), (148, 35166), (150, 35172), (152, 35178), (154, 35184), (161, 35229), (162, 35232), (168, 35259), (191, 35319), (194, 35340), (219, 35418),

Gene: Carthage_35 Start: 33900, Stop: 34499, Start Num: 91

Candidate Starts for Carthage_35:

(27, 33696), (34, 33720), (44, 33762), (49, 33780), (53, 33795), (Start: 91 @33900 has 423 MA's), (103, 33930), (106, 33942), (117, 33981), (122, 33996), (135, 34050), (148, 34095), (150, 34101), (152, 34107), (154, 34113), (161, 34158), (162, 34161), (168, 34188), (191, 34248), (194, 34269), (219, 34347),

Gene: Carthage_34 Start: 33253, Stop: 33903, Start Num: 84

Candidate Starts for Carthage_34:

(42, 33106), (70, 33217), (Start: 84 @33253 has 90 MA's), (Start: 88 @33256 has 177 MA's), (Start: 115 @33337 has 1 MA's), (150, 33472), (168, 33559), (185, 33604), (200, 33682), (218, 33733), (225, 33760), (227, 33778), (243, 33856), (252, 33889), (256, 33895),

Gene: Casbah_35 Start: 34128, Stop: 34781, Start Num: 85

Candidate Starts for Casbah_35:

(Start: 85 @34128 has 45 MA's), (112, 34209), (117, 34233), (149, 34356), (183, 34482), (190, 34497), (203, 34572), (244, 34737), (252, 34767),

Gene: Casbah_36 Start: 34778, Stop: 35377, Start Num: 91

Candidate Starts for Casbah_36:

(Start: 91 @34778 has 423 MA's), (103, 34808), (112, 34835), (131, 34922), (135, 34928), (154, 34991), (158, 35015), (161, 35036), (191, 35126), (212, 35210), (217, 35222), (230, 35282), (245, 35342), (251, 35363),

Gene: Caspiboi_38 Start: 34697, Stop: 35296, Start Num: 91

Candidate Starts for Caspiboi_38:

(26, 34490), (27, 34493), (34, 34517), (44, 34559), (49, 34577), (53, 34592), (Start: 91 @34697 has 423 MA's), (103, 34727), (106, 34739), (117, 34778), (122, 34793), (135, 34847), (148, 34892), (150, 34898), (152, 34904), (154, 34910), (161, 34955), (162, 34958), (168, 34985), (191, 35045), (194, 35066), (212, 35129), (219, 35144),

Gene: Caspiboi_37 Start: 34053, Stop: 34700, Start Num: 88

Candidate Starts for Caspiboi_37:

(70, 34014), (Start: 84 @34050 has 90 MA's), (Start: 88 @34053 has 177 MA's), (Start: 115 @34134 has 1 MA's), (150, 34269), (168, 34356), (185, 34401), (199, 34470), (200, 34479), (218, 34530), (227, 34575), (243, 34653), (252, 34686), (256, 34692),

Gene: Causa_43 Start: 38470, Stop: 39078, Start Num: 91

Candidate Starts for Causa_43:

(65, 38416), (Start: 91 @38470 has 423 MA's), (103, 38500), (112, 38527), (131, 38614), (141, 38635), (152, 38677), (161, 38728), (217, 38914), (219, 38917), (246, 39040), (248, 39046),

Gene: Causa_42 Start: 37847, Stop: 38473, Start Num: 88

Candidate Starts for Causa_42:

(Start: 88 @37847 has 177 MA's), (112, 37910), (114, 37925), (116, 37931), (122, 37949), (123, 37952), (127, 37979), (136, 38009), (137, 38012), (141, 38024), (150, 38060), (214, 38294), (238, 38402), (243, 38426), (245, 38432), (254, 38462),

Gene: Cepens_30 Start: 32231, Stop: 32830, Start Num: 91

Candidate Starts for Cepens_30:

(Start: 91 @32231 has 423 MA's), (103, 32261), (109, 32282), (112, 32288), (131, 32375), (135, 32381), (150, 32432), (154, 32444), (158, 32468), (161, 32489), (165, 32507), (171, 32525), (182, 32552), (225, 32702), (227, 32720), (245, 32795), (251, 32816),

Gene: Cepens_28 Start: 31437, Stop: 32081, Start Num: 86

Candidate Starts for Cepens_28:

(Start: 86 @31437 has 45 MA's), (93, 31455), (111, 31512), (121, 31551), (124, 31560), (136, 31617), (150, 31668), (152, 31674), (154, 31680), (169, 31755), (185, 31782), (195, 31839), (199, 31851), (207, 31881), (227, 31956), (242, 32028),

Gene: ChaChing_37 Start: 34941, Stop: 35540, Start Num: 91

Candidate Starts for ChaChing_37:

(Start: 91 @34941 has 423 MA's), (103, 34971), (112, 34998), (131, 35085), (135, 35091), (154, 35154), (158, 35178), (191, 35289), (212, 35373), (217, 35385), (230, 35445), (251, 35526),

Gene: ChaChing_36 Start: 34291, Stop: 34944, Start Num: 85

Candidate Starts for ChaChing_36:

(Start: 85 @34291 has 45 MA's), (112, 34372), (149, 34519), (183, 34645), (190, 34660), (203, 34735), (244, 34900), (245, 34903), (252, 34930),

Gene: Chaelin_37 Start: 34685, Stop: 35284, Start Num: 91

Candidate Starts for Chaelin_37:

(27, 34481), (34, 34505), (44, 34547), (49, 34565), (53, 34580), (Start: 91 @34685 has 423 MA's), (103, 34715), (106, 34727), (117, 34766), (122, 34781), (135, 34835), (148, 34880), (150, 34886), (152, 34892), (154, 34898), (161, 34943), (162, 34946), (168, 34973), (194, 35054), (212, 35117), (219, 35132),

Gene: Chaelin_36 Start: 34041, Stop: 34688, Start Num: 88

Candidate Starts for Chaelin_36:

(42, 33891), (70, 34002), (Start: 84 @34038 has 90 MA's), (Start: 88 @34041 has 177 MA's), (Start: 115 @34122 has 1 MA's), (150, 34257), (168, 34344), (185, 34389), (200, 34467), (218, 34518), (225, 34545), (227, 34563), (243, 34641), (252, 34674), (256, 34680),

Gene: Chah_38 Start: 35005, Stop: 35604, Start Num: 91

Candidate Starts for Chah_38:

(27, 34801), (34, 34825), (44, 34867), (49, 34885), (53, 34900), (Start: 91 @35005 has 423 MA's), (103, 35035), (106, 35047), (117, 35086), (122, 35101), (135, 35155), (148, 35200), (150, 35206), (152, 35212), (154, 35218), (161, 35263), (162, 35266), (168, 35293), (191, 35353), (194, 35374), (219, 35452),

Gene: Chah_37 Start: 34358, Stop: 35008, Start Num: 84

Candidate Starts for Chah_37:

(70, 34322), (Start: 84 @34358 has 90 MA's), (Start: 88 @34361 has 177 MA's), (Start: 115 @34442 has 1 MA's), (150, 34577), (168, 34664), (185, 34709), (200, 34787), (218, 34838), (225, 34865), (227, 34883), (243, 34961), (252, 34994), (256, 35000),

Gene: Chalmers_37 Start: 35733, Stop: 36332, Start Num: 91

Candidate Starts for Chalmers_37:

(Start: 91 @35733 has 423 MA's), (103, 35763), (112, 35790), (131, 35877), (135, 35883), (154, 35946), (158, 35970), (161, 35991), (191, 36081), (212, 36165), (217, 36177), (230, 36237), (245, 36297), (251, 36318),

Gene: Chalmers_36 Start: 35083, Stop: 35736, Start Num: 85

Candidate Starts for Chalmers_36:

(Start: 85 @35083 has 45 MA's), (112, 35164), (117, 35188), (149, 35311), (183, 35437), (190, 35452), (203, 35527), (244, 35692), (252, 35722),

Gene: Chandler_36 Start: 35059, Stop: 35712, Start Num: 85

Candidate Starts for Chandler_36:

(Start: 85 @35059 has 45 MA's), (112, 35140), (117, 35164), (149, 35287), (183, 35413), (190, 35428), (203, 35503), (244, 35668), (245, 35671), (252, 35698),

Gene: Chandler_37 Start: 35709, Stop: 36308, Start Num: 91

Candidate Starts for Chandler_37:

(Start: 91 @35709 has 423 MA's), (103, 35739), (112, 35766), (131, 35853), (154, 35922), (158, 35946), (161, 35967), (191, 36057), (212, 36141), (217, 36153), (230, 36213), (245, 36273), (251, 36294),

Gene: Charles1_36 Start: 34329, Stop: 34976, Start Num: 88

Candidate Starts for Charles1_36:

(42, 34179), (70, 34290), (Start: 84 @34326 has 90 MA's), (Start: 88 @34329 has 177 MA's), (Start: 115 @34410 has 1 MA's), (150, 34545), (168, 34632), (185, 34677), (200, 34755), (218, 34806), (225, 34833), (227, 34851), (243, 34929), (252, 34962), (256, 34968),

Gene: Charles1_37 Start: 34973, Stop: 35572, Start Num: 91

Candidate Starts for Charles1_37:

(27, 34769), (34, 34793), (44, 34835), (49, 34853), (53, 34868), (Start: 91 @34973 has 423 MA's), (103, 35003), (106, 35015), (117, 35054), (122, 35069), (135, 35123), (148, 35168), (150, 35174), (152, 35180), (154, 35186), (161, 35231), (162, 35234), (168, 35261), (191, 35321), (194, 35342),

Gene: CharlieGBrown_35 Start: 33916, Stop: 34566, Start Num: 84

Candidate Starts for CharlieGBrown_35:

(42, 33769), (70, 33880), (Start: 84 @33916 has 90 MA's), (Start: 88 @33919 has 177 MA's), (Start: 115 @34000 has 1 MA's), (150, 34135), (168, 34222), (185, 34267), (200, 34345), (218, 34396), (225, 34423), (227, 34441), (243, 34519), (252, 34552), (256, 34558),

Gene: CharlieGBrown_36 Start: 34563, Stop: 35162, Start Num: 91

Candidate Starts for CharlieGBrown_36:

(27, 34359), (34, 34383), (44, 34425), (49, 34443), (53, 34458), (Start: 91 @34563 has 423 MA's), (103, 34593), (106, 34605), (117, 34644), (122, 34659), (135, 34713), (148, 34758), (150, 34764), (152, 34770), (154, 34776), (161, 34821), (162, 34824), (168, 34851), (191, 34911), (194, 34932), (219, 35010),

Gene: CharlottesWeb_29 Start: 27428, Stop: 28042, Start Num: 95

Candidate Starts for CharlottesWeb_29:

(Start: 95 @27428 has 16 MA's), (Start: 104 @27461 has 1 MA's), (114, 27497), (122, 27521), (128, 27560), (149, 27629), (150, 27632), (161, 27689), (181, 27737), (185, 27746), (187, 27749), (245, 28001), (254, 28031),

Gene: CharlottesWeb_30 Start: 28039, Stop: 28671, Start Num: 91

Candidate Starts for CharlottesWeb_30:

(Start: 91 @28039 has 423 MA's), (103, 28072), (112, 28099), (125, 28165), (131, 28186), (135, 28192), (161, 28300), (184, 28366), (212, 28474), (221, 28498), (223, 28507), (226, 28522), (227, 28531),

Gene: CheetO_36 Start: 34343, Stop: 34990, Start Num: 88

Candidate Starts for CheetO_36:

(42, 34193), (70, 34304), (Start: 84 @34340 has 90 MA's), (Start: 88 @34343 has 177 MA's), (Start: 115 @34424 has 1 MA's), (150, 34559), (168, 34646), (185, 34691), (200, 34769), (218, 34820), (225, 34847), (227, 34865), (243, 34943), (252, 34976), (256, 34982),

Gene: CheetO_37 Start: 34987, Stop: 35586, Start Num: 91

Candidate Starts for CheetO_37:

(27, 34783), (34, 34807), (44, 34849), (49, 34867), (53, 34882), (Start: 91 @34987 has 423 MA's), (103, 35017), (106, 35029), (117, 35068), (122, 35083), (123, 35086), (135, 35137), (148, 35182), (150, 35188), (152, 35194), (154, 35200), (161, 35245), (162, 35248), (168, 35275), (191, 35335), (194, 35356), (219, 35434),

Gene: Chentzyk_35 Start: 34149, Stop: 34802, Start Num: 85

Candidate Starts for Chentzyk_35:

(Start: 85 @34149 has 45 MA's), (112, 34230), (149, 34377), (183, 34503), (190, 34518), (203, 34593), (244, 34758), (245, 34761), (252, 34788),

Gene: Chentzyk_37 Start: 35320, Stop: 35889, Start Num: 103

Candidate Starts for Chentzyk_37:

(Start: 91 @35290 has 423 MA's), (103, 35320), (112, 35347), (131, 35434), (135, 35440), (154, 35503), (158, 35527), (191, 35638), (212, 35722), (217, 35734), (230, 35794), (251, 35875),

Gene: Cher_36 Start: 34710, Stop: 35309, Start Num: 91

Candidate Starts for Cher_36:

(27, 34506), (34, 34530), (44, 34572), (49, 34590), (53, 34605), (Start: 91 @34710 has 423 MA's), (103, 34740), (106, 34752), (117, 34791), (122, 34806), (135, 34860), (148, 34905), (150, 34911), (152, 34917), (154, 34923), (161, 34968), (162, 34971), (168, 34998), (191, 35058), (194, 35079), (219, 35157),

Gene: Cher_35 Start: 34066, Stop: 34713, Start Num: 88

Candidate Starts for Cher_35:

(70, 34027), (Start: 84 @34063 has 90 MA's), (Start: 88 @34066 has 177 MA's), (Start: 115 @34147 has 1 MA's), (150, 34282), (168, 34369), (185, 34414), (200, 34492), (218, 34543), (225, 34570), (227, 34588), (243, 34666), (252, 34699), (256, 34705),

Gene: Childish_35 Start: 34069, Stop: 34716, Start Num: 88

Candidate Starts for Childish_35:

(70, 34030), (Start: 84 @34066 has 90 MA's), (Start: 88 @34069 has 177 MA's), (Start: 115 @34150 has 1 MA's), (150, 34285), (168, 34372), (185, 34417), (200, 34495), (218, 34546), (225, 34573), (227, 34591), (243, 34669), (252, 34702), (256, 34708),

Gene: Childish_36 Start: 34713, Stop: 35312, Start Num: 91

Candidate Starts for Childish_36:

(27, 34509), (34, 34533), (44, 34575), (49, 34593), (53, 34608), (Start: 91 @34713 has 423 MA's), (103, 34743), (106, 34755), (117, 34794), (122, 34809), (135, 34863), (148, 34908), (150, 34914), (152, 34920), (154, 34926), (161, 34971), (162, 34974), (168, 35001), (191, 35061), (194, 35082), (219, 35160),

Gene: Chipette_38 Start: 35203, Stop: 35802, Start Num: 91

Candidate Starts for Chipette_38:

(26, 34996), (27, 34999), (34, 35023), (44, 35065), (49, 35083), (53, 35098), (Start: 91 @35203 has 423 MA's), (103, 35233), (106, 35245), (117, 35284), (122, 35299), (135, 35353), (148, 35398), (150, 35404), (152, 35410), (154, 35416), (161, 35461), (162, 35464), (168, 35491), (191, 35551), (194, 35572), (219, 35650),

Gene: Chipette_37 Start: 34559, Stop: 35206, Start Num: 88

Candidate Starts for Chipette_37:

(70, 34520), (Start: 84 @34556 has 90 MA's), (Start: 88 @34559 has 177 MA's), (Start: 115 @34640 has 1 MA's), (150, 34775), (168, 34862), (185, 34907), (200, 34985), (218, 35036), (225, 35063), (227, 35081), (243, 35159), (252, 35192), (256, 35198),

Gene: Chorkpop_36 Start: 34065, Stop: 34712, Start Num: 88

Candidate Starts for Chorkpop_36:

(70, 34026), (Start: 84 @34062 has 90 MA's), (Start: 88 @34065 has 177 MA's), (Start: 115 @34146 has 1 MA's), (150, 34281), (168, 34368), (185, 34413), (200, 34491), (218, 34542), (225, 34569), (227, 34587), (243, 34665), (252, 34698), (256, 34704),

Gene: Chorkpop_37 Start: 34709, Stop: 35308, Start Num: 91

Candidate Starts for Chorkpop_37:

(26, 34502), (27, 34505), (34, 34529), (44, 34571), (49, 34589), (53, 34604), (Start: 91 @34709 has 423 MA's), (103, 34739), (106, 34751), (117, 34790), (122, 34805), (135, 34859), (148, 34904), (150, 34910), (152, 34916), (154, 34922), (161, 34967), (162, 34970), (168, 34997), (191, 35057), (194, 35078), (219, 35156),

Gene: ChrisnMich_32 Start: 33498, Stop: 34145, Start Num: 67

Candidate Starts for ChrisnMich_32:

(Start: 67 @33498 has 25 MA's), (105, 33576), (108, 33588), (126, 33660), (137, 33684), (143, 33705), (144, 33714), (145, 33717), (148, 33726), (149, 33729), (159, 33774), (170, 33828), (177, 33846), (194, 33906), (199, 33918), (219, 33978), (225, 34002), (227, 34020), (246, 34107), (254, 34134),

Gene: ChrisnMich_33 Start: 34142, Stop: 34747, Start Num: 91

Candidate Starts for ChrisnMich_33:

(Start: 91 @34142 has 423 MA's), (103, 34178), (117, 34229), (118, 34232), (131, 34292), (135, 34298), (148, 34343), (151, 34352), (152, 34355), (153, 34358), (158, 34385), (161, 34406), (168, 34436), (192, 34502), (194, 34517), (212, 34580), (227, 34637), (246, 34715), (251, 34733),

Gene: Chunky_36 Start: 34349, Stop: 34999, Start Num: 84

Candidate Starts for Chunky_36:

(70, 34313), (Start: 84 @34349 has 90 MA's), (Start: 88 @34352 has 177 MA's), (Start: 115 @34433 has 1 MA's), (150, 34568), (168, 34655), (185, 34700), (200, 34778), (218, 34829), (225, 34856), (227, 34874), (243, 34952), (252, 34985), (256, 34991),

Gene: Chunky_37 Start: 34996, Stop: 35595, Start Num: 91

Candidate Starts for Chunky_37:

(26, 34789), (27, 34792), (34, 34816), (44, 34858), (49, 34876), (53, 34891), (Start: 91 @34996 has 423 MA's), (103, 35026), (106, 35038), (117, 35077), (122, 35092), (135, 35146), (148, 35191), (150, 35197), (152, 35203), (154, 35209), (161, 35254), (162, 35257), (168, 35284), (191, 35344), (194, 35365), (219, 35443),

Gene: Chute_35 Start: 34390, Stop: 35037, Start Num: 88

Candidate Starts for Chute_35:

(42, 34240), (70, 34351), (Start: 84 @34387 has 90 MA's), (Start: 88 @34390 has 177 MA's), (Start: 115 @34471 has 1 MA's), (150, 34606), (168, 34693), (185, 34738), (200, 34816), (218, 34867), (225,

34894), (227, 34912), (243, 34990), (252, 35023), (256, 35029),

Gene: Chute_36 Start: 35034, Stop: 35633, Start Num: 91

Candidate Starts for Chute_36:

(27, 34830), (34, 34854), (44, 34896), (49, 34914), (53, 34929), (Start: 91 @35034 has 423 MA's), (103, 35064), (106, 35076), (117, 35115), (122, 35130), (135, 35184), (148, 35229), (150, 35235), (152, 35241), (154, 35247), (161, 35292), (162, 35295), (168, 35322), (194, 35403), (212, 35466), (219, 35481),

Gene: Clawz_61 Start: 38961, Stop: 39584, Start Num: 92

Candidate Starts for Clawz_61:

(31, 38751), (39, 38772), (41, 38775), (Start: 92 @38961 has 5 MA's), (112, 39018), (118, 39045), (119, 39048), (123, 39060), (130, 39108), (134, 39120), (143, 39147), (148, 39168), (150, 39174), (152, 39180), (196, 39348), (222, 39438), (227, 39462), (230, 39480), (231, 39483), (240, 39522), (249, 39558),

Gene: CloverMinnie_32 Start: 30007, Stop: 30603, Start Num: 91

Candidate Starts for CloverMinnie_32:

(34, 29830), (44, 29869), (46, 29878), (61, 29941), (65, 29953), (Start: 91 @30007 has 423 MA's), (103, 30037), (131, 30151), (135, 30157), (150, 30208), (152, 30214), (161, 30265), (162, 30268), (184, 30331), (190, 30343), (191, 30355), (201, 30406), (211, 30436), (219, 30454), (221, 30463), (251, 30589),

Gene: CloverMinnie_31 Start: 29396, Stop: 30010, Start Num: 95

Candidate Starts for CloverMinnie_31:

(Start: 95 @29396 has 16 MA's), (Start: 97 @29399 has 4 MA's), (114, 29465), (119, 29480), (122, 29489), (128, 29528), (136, 29549), (141, 29564), (149, 29597), (158, 29636), (159, 29639), (161, 29657), (183, 29711), (245, 29969), (254, 29999),

Gene: Cobra_36 Start: 34347, Stop: 34997, Start Num: 84

Candidate Starts for Cobra_36:

(70, 34311), (Start: 84 @34347 has 90 MA's), (Start: 88 @34350 has 177 MA's), (Start: 115 @34431 has 1 MA's), (150, 34566), (168, 34653), (185, 34698), (199, 34767), (200, 34776), (218, 34827), (227, 34872), (243, 34950), (252, 34983), (256, 34989),

Gene: Cobra_37 Start: 34994, Stop: 35593, Start Num: 91

Candidate Starts for Cobra_37:

(26, 34787), (27, 34790), (34, 34814), (44, 34856), (49, 34874), (53, 34889), (Start: 91 @34994 has 423 MA's), (103, 35024), (106, 35036), (117, 35075), (122, 35090), (135, 35144), (148, 35189), (150, 35195), (152, 35201), (154, 35207), (161, 35252), (162, 35255), (168, 35282), (191, 35342), (194, 35363), (212, 35426), (219, 35441),

Gene: Coffee_36 Start: 34793, Stop: 35437, Start Num: 86

Candidate Starts for Coffee_36:

(37, 34628), (61, 34739), (Start: 86 @34793 has 45 MA's), (Start: 89 @34802 has 1 MA's), (112, 34871), (118, 34898), (121, 34907), (124, 34916), (150, 35024), (154, 35036), (181, 35129), (195, 35195), (200, 35216), (205, 35231), (207, 35237), (214, 35258), (220, 35270), (254, 35426),

Gene: Coffee_38 Start: 35583, Stop: 36182, Start Num: 91

Candidate Starts for Coffee_38:

(82, 35562), (Start: 91 @35583 has 423 MA's), (103, 35613), (109, 35634), (117, 35664), (118, 35667), (135, 35733), (150, 35784), (151, 35787), (152, 35790), (158, 35820), (161, 35841), (184, 35907), (192, 35937), (217, 36027), (219, 36030), (223, 36048), (227, 36072), (243, 36141), (251, 36168),

Gene: Colbert_36 Start: 34402, Stop: 35052, Start Num: 84

Candidate Starts for Colbert_36:

(70, 34366), (Start: 84 @34402 has 90 MA's), (Start: 88 @34405 has 177 MA's), (Start: 115 @34486 has 1 MA's), (150, 34621), (168, 34708), (185, 34753), (200, 34831), (218, 34882), (225, 34909), (227, 34927), (243, 35005), (252, 35038), (256, 35044),

Gene: Colbert_37 Start: 35049, Stop: 35648, Start Num: 91

Candidate Starts for Colbert_37:

(27, 34845), (34, 34869), (44, 34911), (49, 34929), (53, 34944), (Start: 91 @35049 has 423 MA's), (103, 35079), (106, 35091), (117, 35130), (122, 35145), (135, 35199), (148, 35244), (150, 35250), (152, 35256), (154, 35262), (161, 35307), (162, 35310), (168, 35337), (191, 35397), (194, 35418), (219, 35496),

Gene: ColdSoup_62 Start: 39166, Stop: 39789, Start Num: 92

Candidate Starts for ColdSoup_62:

(Start: 92 @39166 has 5 MA's), (150, 39379), (152, 39385), (156, 39412), (231, 39688), (248, 39757), (249, 39763), (256, 39781),

Gene: Coldpizza_33 Start: 32536, Stop: 33132, Start Num: 91

Candidate Starts for Coldpizza_33:

(5, 32098), (16, 32203), (34, 32359), (46, 32407), (65, 32482), (Start: 91 @32536 has 423 MA's), (103, 32569), (117, 32620), (118, 32623), (131, 32683), (135, 32689), (150, 32740), (152, 32746), (154, 32752), (161, 32797), (168, 32827), (178, 32851), (198, 32923), (217, 32983), (219, 32986), (221, 32995), (230, 33043),

Gene: Coldpizza_32 Start: 31925, Stop: 32539, Start Num: 95

Candidate Starts for Coldpizza_32:

(29, 31706), (30, 31709), (51, 31793), (73, 31868), (Start: 95 @31925 has 16 MA's), (114, 31994), (121, 32015), (129, 32063), (136, 32078), (158, 32165), (183, 32240), (218, 32372), (252, 32525),

Gene: Coletti_36 Start: 35034, Stop: 35633, Start Num: 91

Candidate Starts for Coletti_36:

(27, 34830), (34, 34854), (44, 34896), (49, 34914), (53, 34929), (Start: 91 @35034 has 423 MA's), (103, 35064), (106, 35076), (117, 35115), (122, 35130), (135, 35184), (148, 35229), (150, 35235), (152, 35241), (154, 35247), (161, 35292), (162, 35295), (168, 35322), (194, 35403), (212, 35466), (219, 35481),

Gene: Coletti_35 Start: 34390, Stop: 35037, Start Num: 88

Candidate Starts for Coletti_35:

(42, 34240), (70, 34351), (Start: 84 @34387 has 90 MA's), (Start: 88 @34390 has 177 MA's), (Start: 115 @34471 has 1 MA's), (150, 34606), (168, 34693), (185, 34738), (200, 34816), (218, 34867), (225, 34894), (227, 34912), (243, 34990), (252, 35023), (256, 35029),

Gene: Compostia_37 Start: 34707, Stop: 35360, Start Num: 85

Candidate Starts for Compostia_37:

(Start: 85 @34707 has 45 MA's), (112, 34788), (117, 34812), (149, 34935), (183, 35061), (190, 35076), (203, 35151), (244, 35316), (252, 35346),

Gene: Compostia_38 Start: 35357, Stop: 35956, Start Num: 91

Candidate Starts for Compostia_38:

(Start: 91 @35357 has 423 MA's), (103, 35387), (112, 35414), (131, 35501), (135, 35507), (154, 35570), (158, 35594), (161, 35615), (191, 35705), (212, 35789), (217, 35801), (230, 35861), (245,

35921), (251, 35942),

Gene: Cooper_33 Start: 33716, Stop: 34363, Start Num: 67

Candidate Starts for Cooper_33:

(Start: 67 @33716 has 25 MA's), (105, 33794), (108, 33806), (126, 33878), (137, 33902), (143, 33923), (144, 33932), (145, 33935), (147, 33941), (148, 33944), (159, 33992), (166, 34031), (177, 34064), (194, 34124), (199, 34136), (219, 34196), (225, 34220), (227, 34238), (246, 34325), (254, 34352),

Gene: Cooper_34 Start: 34360, Stop: 34965, Start Num: 91

Candidate Starts for Cooper_34:

(14, 34009), (18, 34090), (27, 34159), (34, 34183), (49, 34240), (Start: 91 @34360 has 423 MA's), (103, 34396), (112, 34423), (117, 34447), (118, 34450), (131, 34510), (135, 34516), (148, 34561), (150, 34567), (151, 34570), (152, 34573), (153, 34576), (154, 34579), (158, 34603), (161, 34624), (192, 34720), (194, 34735), (219, 34813), (246, 34933), (251, 34951),

Gene: Cornbread_37 Start: 34710, Stop: 35309, Start Num: 91

Candidate Starts for Cornbread_37:

(26, 34503), (27, 34506), (34, 34530), (44, 34572), (49, 34590), (53, 34605), (Start: 91 @34710 has 423 MA's), (103, 34740), (106, 34752), (117, 34791), (122, 34806), (135, 34860), (148, 34905), (150, 34911), (152, 34917), (154, 34923), (161, 34968), (162, 34971), (168, 34998), (191, 35058), (194, 35079), (212, 35142), (219, 35157),

Gene: Cornbread_36 Start: 34066, Stop: 34713, Start Num: 88

Candidate Starts for Cornbread_36:

(70, 34027), (Start: 84 @34063 has 90 MA's), (Start: 88 @34066 has 177 MA's), (Start: 115 @34147 has 1 MA's), (150, 34282), (168, 34369), (185, 34414), (199, 34483), (200, 34492), (218, 34543), (227, 34588), (243, 34666), (252, 34699), (256, 34705),

Gene: Cornobble_35 Start: 33904, Stop: 34551, Start Num: 88

Candidate Starts for Cornobble_35:

(42, 33754), (70, 33865), (Start: 84 @33901 has 90 MA's), (Start: 88 @33904 has 177 MA's), (Start: 115 @33985 has 1 MA's), (150, 34120), (168, 34207), (185, 34252), (200, 34330), (218, 34381), (225, 34408), (227, 34426), (243, 34504), (252, 34537), (256, 34543),

Gene: Cornobble_36 Start: 34548, Stop: 35147, Start Num: 91

Candidate Starts for Cornobble_36:

(27, 34344), (34, 34368), (44, 34410), (49, 34428), (53, 34443), (Start: 91 @34548 has 423 MA's), (103, 34578), (106, 34590), (117, 34629), (122, 34644), (135, 34698), (148, 34743), (150, 34749), (152, 34755), (154, 34761), (161, 34806), (162, 34809), (168, 34836), (191, 34896), (194, 34917), (219, 34995),

Gene: Corofin_36 Start: 34302, Stop: 34955, Start Num: 85

Candidate Starts for Corofin_36:

(Start: 85 @34302 has 45 MA's), (112, 34383), (117, 34407), (149, 34530), (183, 34656), (190, 34671), (203, 34746), (244, 34911), (245, 34914), (252, 34941),

Gene: Corofin_37 Start: 34952, Stop: 35551, Start Num: 91

Candidate Starts for Corofin_37:

(Start: 91 @34952 has 423 MA's), (103, 34982), (112, 35009), (131, 35096), (135, 35102), (154, 35165), (158, 35189), (161, 35210), (191, 35300), (212, 35384), (217, 35396), (230, 35456), (245, 35516), (251, 35537),

Gene: Cosmolli16_35 Start: 34051, Stop: 34701, Start Num: 84

Candidate Starts for Cosmolli16_35:

(70, 34015), (Start: 84 @34051 has 90 MA's), (Start: 88 @34054 has 177 MA's), (Start: 115 @34135 has 1 MA's), (150, 34270), (168, 34357), (185, 34402), (200, 34480), (218, 34531), (225, 34558), (227, 34576), (243, 34654), (252, 34687), (256, 34693),

Gene: Cosmolli16_36 Start: 34698, Stop: 35297, Start Num: 91

Candidate Starts for Cosmolli16_36:

(27, 34494), (34, 34518), (44, 34560), (49, 34578), (53, 34593), (Start: 91 @34698 has 423 MA's), (103, 34728), (106, 34740), (117, 34779), (122, 34794), (135, 34848), (148, 34893), (150, 34899), (152, 34905), (154, 34911), (161, 34956), (162, 34959), (168, 34986), (191, 35046), (194, 35067), (219, 35145),

Gene: Craff_37 Start: 34991, Stop: 35590, Start Num: 91

Candidate Starts for Craff_37:

(27, 34787), (34, 34811), (44, 34853), (49, 34871), (53, 34886), (Start: 91 @34991 has 423 MA's), (103, 35021), (106, 35033), (117, 35072), (122, 35087), (135, 35141), (148, 35186), (150, 35192), (152, 35198), (154, 35204), (161, 35249), (162, 35252), (168, 35279), (191, 35339), (194, 35360), (219, 35438),

Gene: Craff_36 Start: 34344, Stop: 34994, Start Num: 84

Candidate Starts for Craff_36:

(42, 34197), (70, 34308), (Start: 84 @34344 has 90 MA's), (Start: 88 @34347 has 177 MA's), (Start: 115 @34428 has 1 MA's), (150, 34563), (168, 34650), (185, 34695), (200, 34773), (218, 34824), (225, 34851), (227, 34869), (243, 34947), (252, 34980), (256, 34986),

Gene: Crownjwl_36 Start: 34120, Stop: 34767, Start Num: 88

Candidate Starts for Crownjwl_36:

(42, 33970), (70, 34081), (Start: 84 @34117 has 90 MA's), (Start: 88 @34120 has 177 MA's), (Start: 115 @34201 has 1 MA's), (150, 34336), (168, 34423), (185, 34468), (200, 34546), (218, 34597), (225, 34624), (227, 34642), (243, 34720), (252, 34753), (256, 34759),

Gene: Crownjwl_37 Start: 34764, Stop: 35363, Start Num: 91

Candidate Starts for Crownjwl_37:

(27, 34560), (34, 34584), (44, 34626), (49, 34644), (53, 34659), (Start: 91 @34764 has 423 MA's), (103, 34794), (106, 34806), (117, 34845), (122, 34860), (135, 34914), (148, 34959), (150, 34965), (152, 34971), (154, 34977), (161, 35022), (162, 35025), (168, 35052), (191, 35112), (194, 35133), (219, 35211),

Gene: D12_29 Start: 32801, Stop: 33400, Start Num: 91

Candidate Starts for D12_29:

(Start: 91 @32801 has 423 MA's), (103, 32831), (109, 32852), (112, 32858), (131, 32945), (135, 32951), (150, 33002), (154, 33014), (158, 33038), (161, 33059), (165, 33077), (171, 33095), (182, 33122), (225, 33272), (227, 33290), (245, 33365), (251, 33386),

Gene: D12_28 Start: 32007, Stop: 32651, Start Num: 86

Candidate Starts for D12_28:

(Start: 86 @32007 has 45 MA's), (93, 32025), (111, 32082), (121, 32121), (124, 32130), (136, 32187), (150, 32238), (152, 32244), (154, 32250), (169, 32325), (185, 32352), (195, 32409), (199, 32421), (207, 32451), (227, 32526), (242, 32598),

Gene: DaddyDaniels_36 Start: 34038, Stop: 34685, Start Num: 88

Candidate Starts for DaddyDaniels_36:

(70, 33999), (Start: 84 @34035 has 90 MA's), (Start: 88 @34038 has 177 MA's), (Start: 115 @34119 has 1 MA's), (150, 34254), (168, 34341), (185, 34386), (199, 34455), (200, 34464), (218, 34515), (227, 34560), (243, 34638), (252, 34671), (256, 34677),

Gene: DaddyDaniels_37 Start: 34682, Stop: 35281, Start Num: 91

Candidate Starts for DaddyDaniels_37:

(26, 34475), (27, 34478), (34, 34502), (44, 34544), (49, 34562), (53, 34577), (Start: 91 @34682 has 423 MA's), (103, 34712), (106, 34724), (117, 34763), (122, 34778), (135, 34832), (148, 34877), (150, 34883), (152, 34889), (154, 34895), (161, 34940), (162, 34943), (168, 34970), (191, 35030), (194, 35051), (212, 35114), (219, 35129),

Gene: Daffy_37 Start: 34713, Stop: 35312, Start Num: 91

Candidate Starts for Daffy_37:

(27, 34509), (34, 34533), (44, 34575), (49, 34593), (53, 34608), (Start: 91 @34713 has 423 MA's), (103, 34743), (106, 34755), (117, 34794), (122, 34809), (135, 34863), (148, 34908), (150, 34914), (152, 34920), (154, 34926), (161, 34971), (162, 34974), (168, 35001), (191, 35061), (194, 35082), (219, 35160),

Gene: Daffy_36 Start: 34066, Stop: 34716, Start Num: 84

Candidate Starts for Daffy_36:

(70, 34030), (Start: 84 @34066 has 90 MA's), (Start: 88 @34069 has 177 MA's), (Start: 115 @34150 has 1 MA's), (150, 34285), (168, 34372), (185, 34417), (200, 34495), (218, 34546), (225, 34573), (227, 34591), (243, 34669), (252, 34702), (256, 34708),

Gene: Daisy_37 Start: 34953, Stop: 35552, Start Num: 91

Candidate Starts for Daisy_37:

(Start: 91 @34953 has 423 MA's), (103, 34983), (112, 35010), (131, 35097), (135, 35103), (154, 35166), (158, 35190), (191, 35301), (212, 35385), (217, 35397), (230, 35457), (245, 35517), (251, 35538),

Gene: Daisy_36 Start: 34303, Stop: 34956, Start Num: 85

Candidate Starts for Daisy_36:

(Start: 85 @34303 has 45 MA's), (112, 34384), (117, 34408), (149, 34531), (183, 34657), (190, 34672), (203, 34747), (244, 34912),

Gene: Daka_37 Start: 34987, Stop: 35586, Start Num: 91

Candidate Starts for Daka_37:

(27, 34783), (34, 34807), (44, 34849), (49, 34867), (53, 34882), (Start: 91 @34987 has 423 MA's), (103, 35017), (106, 35029), (117, 35068), (122, 35083), (135, 35137), (148, 35182), (150, 35188), (152, 35194), (154, 35200), (161, 35245), (162, 35248), (168, 35275), (191, 35335), (194, 35356), (219, 35434),

Gene: Daka_36 Start: 34340, Stop: 34990, Start Num: 84

Candidate Starts for Daka_36:

(70, 34304), (Start: 84 @34340 has 90 MA's), (Start: 88 @34343 has 177 MA's), (Start: 115 @34424 has 1 MA's), (150, 34559), (168, 34646), (185, 34691), (200, 34769), (218, 34820), (225, 34847), (227, 34865), (243, 34943), (252, 34976), (256, 34982),

Gene: Dati_36 Start: 34063, Stop: 34710, Start Num: 88

Candidate Starts for Dati_36:

(70, 34024), (Start: 84 @34060 has 90 MA's), (Start: 88 @34063 has 177 MA's), (Start: 115 @34144 has 1 MA's), (150, 34279), (168, 34366), (185, 34411), (199, 34480), (200, 34489), (218, 34540), (227, 34585), (243, 34663), (252, 34696), (256, 34702),

Gene: Dati_37 Start: 34707, Stop: 35306, Start Num: 91

Candidate Starts for Dati_37:

(26, 34500), (27, 34503), (34, 34527), (44, 34569), (49, 34587), (53, 34602), (Start: 91 @34707 has 423 MA's), (103, 34737), (106, 34749), (117, 34788), (122, 34803), (135, 34857), (148, 34902), (150, 34908), (152, 34914), (154, 34920), (161, 34965), (162, 34968), (168, 34995), (194, 35076), (212, 35139), (219, 35154),

Gene: Deenasa_36 Start: 35042, Stop: 35695, Start Num: 85

Candidate Starts for Deenasa_36:

(Start: 85 @35042 has 45 MA's), (112, 35123), (117, 35147), (149, 35270), (183, 35396), (190, 35411), (203, 35486), (244, 35651), (245, 35654), (252, 35681),

Gene: Deenasa_37 Start: 35692, Stop: 36291, Start Num: 91

Candidate Starts for Deenasa_37:

(Start: 91 @35692 has 423 MA's), (103, 35722), (112, 35749), (131, 35836), (135, 35842), (154, 35905), (158, 35929), (161, 35950), (191, 36040), (212, 36124), (217, 36136), (230, 36196), (251, 36277),

Gene: DelRivs_35 Start: 34064, Stop: 34711, Start Num: 88

Candidate Starts for DelRivs_35:

(70, 34025), (Start: 84 @34061 has 90 MA's), (Start: 88 @34064 has 177 MA's), (Start: 115 @34145 has 1 MA's), (150, 34280), (168, 34367), (185, 34412), (200, 34490), (218, 34541), (225, 34568), (227, 34586), (243, 34664), (252, 34697), (256, 34703),

Gene: DelRivs_36 Start: 34708, Stop: 35307, Start Num: 91

Candidate Starts for DelRivs_36:

(26, 34501), (27, 34504), (34, 34528), (44, 34570), (49, 34588), (53, 34603), (Start: 91 @34708 has 423 MA's), (103, 34738), (106, 34750), (117, 34789), (122, 34804), (135, 34858), (148, 34903), (150, 34909), (152, 34915), (154, 34921), (161, 34966), (162, 34969), (168, 34996), (191, 35056), (194, 35077), (212, 35140), (219, 35155),

Gene: Derpp_35 Start: 33905, Stop: 34555, Start Num: 84

Candidate Starts for Derpp_35:

(70, 33869), (Start: 84 @33905 has 90 MA's), (Start: 88 @33908 has 177 MA's), (Start: 115 @33989 has 1 MA's), (150, 34124), (168, 34211), (185, 34256), (199, 34325), (200, 34334), (218, 34385), (227, 34430), (243, 34508), (252, 34541), (256, 34547),

Gene: Derpp_36 Start: 34552, Stop: 35151, Start Num: 91

Candidate Starts for Derpp_36:

(26, 34345), (27, 34348), (34, 34372), (44, 34414), (49, 34432), (53, 34447), (Start: 91 @34552 has 423 MA's), (103, 34582), (106, 34594), (117, 34633), (122, 34648), (135, 34702), (148, 34747), (150, 34753), (152, 34759), (154, 34765), (161, 34810), (162, 34813), (168, 34840), (191, 34900), (194, 34921), (212, 34984), (219, 34999),

Gene: Devonte_36 Start: 34267, Stop: 34920, Start Num: 85

Candidate Starts for Devonte_36:

(Start: 85 @34267 has 45 MA's), (112, 34348), (117, 34372), (149, 34495), (183, 34621), (190, 34636), (203, 34711), (244, 34876), (245, 34879), (252, 34906),

Gene: Devonte_37 Start: 34917, Stop: 35516, Start Num: 91

Candidate Starts for Devonte_37:

(Start: 91 @34917 has 423 MA's), (103, 34947), (112, 34974), (131, 35061), (154, 35130), (158, 35154), (161, 35175), (191, 35265), (212, 35349), (217, 35361), (230, 35421), (245, 35481), (251, 35502),

Gene: Dice_35 Start: 34043, Stop: 34690, Start Num: 88

Candidate Starts for Dice_35:

(70, 34004), (Start: 84 @34040 has 90 MA's), (Start: 88 @34043 has 177 MA's), (Start: 115 @34124 has 1 MA's), (150, 34259), (168, 34346), (185, 34391), (200, 34469), (218, 34520), (225, 34547), (227, 34565), (243, 34643), (252, 34676), (256, 34682),

Gene: Dice_36 Start: 34687, Stop: 35286, Start Num: 91

Candidate Starts for Dice_36:

(27, 34483), (34, 34507), (44, 34549), (49, 34567), (53, 34582), (Start: 91 @34687 has 423 MA's), (103, 34717), (106, 34729), (117, 34768), (122, 34783), (135, 34837), (148, 34882), (150, 34888), (152, 34894), (154, 34900), (161, 34945), (162, 34948), (168, 34975), (191, 35035), (194, 35056), (219, 35134),

Gene: DigitDog_36 Start: 35292, Stop: 35903, Start Num: 91

Candidate Starts for DigitDog_36:

(56, 35199), (57, 35205), (66, 35235), (68, 35244), (72, 35250), (Start: 91 @35292 has 423 MA's), (103, 35325), (117, 35376), (131, 35439), (135, 35445), (150, 35496), (152, 35502), (154, 35508), (162, 35556), (210, 35721), (212, 35727), (236, 35829), (246, 35871), (251, 35889),

Gene: DigitDog_35 Start: 34556, Stop: 35185, Start Num: 90

Candidate Starts for DigitDog_35:

(Start: 90 @34556 has 18 MA's), (114, 34634), (118, 34646), (149, 34772), (152, 34781), (154, 34787), (161, 34832), (181, 34880), (183, 34886), (227, 35060), (254, 35174),

Gene: Dingo_36 Start: 34326, Stop: 34973, Start Num: 88

Candidate Starts for Dingo_36:

(42, 34176), (70, 34287), (Start: 84 @34323 has 90 MA's), (Start: 88 @34326 has 177 MA's), (Start: 115 @34407 has 1 MA's), (150, 34542), (168, 34629), (185, 34674), (200, 34752), (218, 34803), (225, 34830), (227, 34848), (243, 34926), (252, 34959), (256, 34965),

Gene: Dingo_37 Start: 34970, Stop: 35569, Start Num: 91

Candidate Starts for Dingo_37:

(27, 34766), (34, 34790), (44, 34832), (49, 34850), (53, 34865), (Start: 91 @34970 has 423 MA's), (103, 35000), (106, 35012), (117, 35051), (122, 35066), (123, 35069), (135, 35120), (148, 35165), (150, 35171), (152, 35177), (154, 35183), (161, 35228), (162, 35231), (168, 35258), (191, 35318), (194, 35339), (219, 35417),

Gene: Dione_35 Start: 34045, Stop: 34695, Start Num: 84

Candidate Starts for Dione_35:

(70, 34009), (Start: 84 @34045 has 90 MA's), (Start: 88 @34048 has 177 MA's), (Start: 115 @34129 has 1 MA's), (150, 34264), (168, 34351), (185, 34396), (200, 34474), (218, 34525), (225, 34552), (227, 34570), (243, 34648), (252, 34681), (256, 34687),

Gene: Dione_36 Start: 34692, Stop: 35291, Start Num: 91

Candidate Starts for Dione_36:

(27, 34488), (34, 34512), (44, 34554), (49, 34572), (53, 34587), (Start: 91 @34692 has 423 MA's), (103, 34722), (106, 34734), (117, 34773), (122, 34788), (135, 34842), (148, 34887), (150, 34893), (152, 34899), (154, 34905), (161, 34950), (162, 34953), (168, 34980), (191, 35040), (194, 35061), (219, 35139),

Gene: DirtJuice_36 Start: 34332, Stop: 34979, Start Num: 88

Candidate Starts for DirtJuice_36:

(42, 34182), (70, 34293), (Start: 84 @34329 has 90 MA's), (Start: 88 @34332 has 177 MA's), (Start: 115 @34413 has 1 MA's), (150, 34548), (168, 34635), (185, 34680), (200, 34758), (218, 34809), (225, 34836), (227, 34854), (243, 34932), (252, 34965), (256, 34971),

Gene: DirtJuice_37 Start: 34976, Stop: 35575, Start Num: 91

Candidate Starts for DirtJuice_37:

(27, 34772), (34, 34796), (44, 34838), (49, 34856), (53, 34871), (Start: 91 @34976 has 423 MA's), (103, 35006), (106, 35018), (117, 35057), (122, 35072), (135, 35126), (148, 35171), (150, 35177), (152, 35183), (154, 35189), (161, 35234), (162, 35237), (168, 35264), (191, 35324), (194, 35345), (219, 35423),

Gene: Doddsville_37 Start: 34706, Stop: 35305, Start Num: 91

Candidate Starts for Doddsville_37:

(26, 34499), (27, 34502), (34, 34526), (44, 34568), (49, 34586), (53, 34601), (Start: 91 @34706 has 423 MA's), (103, 34736), (106, 34748), (117, 34787), (122, 34802), (135, 34856), (148, 34901), (150, 34907), (152, 34913), (154, 34919), (161, 34964), (162, 34967), (168, 34994), (191, 35054), (194, 35075), (212, 35138), (219, 35153),

Gene: Doddsville_36 Start: 34062, Stop: 34709, Start Num: 88

Candidate Starts for Doddsville_36:

(70, 34023), (Start: 84 @34059 has 90 MA's), (Start: 88 @34062 has 177 MA's), (Start: 115 @34143 has 1 MA's), (150, 34278), (168, 34365), (185, 34410), (199, 34479), (200, 34488), (218, 34539), (227, 34584), (243, 34662), (252, 34695), (256, 34701),

Gene: DoesntMatter_36 Start: 34335, Stop: 34982, Start Num: 88

Candidate Starts for DoesntMatter_36:

(42, 34185), (70, 34296), (Start: 84 @34332 has 90 MA's), (Start: 88 @34335 has 177 MA's), (Start: 115 @34416 has 1 MA's), (150, 34551), (168, 34638), (185, 34683), (200, 34761), (218, 34812), (225, 34839), (227, 34857), (243, 34935), (252, 34968), (256, 34974),

Gene: DoesntMatter_37 Start: 34979, Stop: 35578, Start Num: 91

Candidate Starts for DoesntMatter_37:

(27, 34775), (34, 34799), (44, 34841), (49, 34859), (53, 34874), (Start: 91 @34979 has 423 MA's), (103, 35009), (106, 35021), (117, 35060), (122, 35075), (135, 35129), (148, 35174), (150, 35180), (152, 35186), (154, 35192), (161, 35237), (162, 35240), (168, 35267), (191, 35327), (194, 35348), (219, 35426),

Gene: DonSanchon_36 Start: 34686, Stop: 35285, Start Num: 91

Candidate Starts for DonSanchon_36:

(27, 34482), (34, 34506), (44, 34548), (49, 34566), (53, 34581), (Start: 91 @34686 has 423 MA's), (103, 34716), (106, 34728), (117, 34767), (122, 34782), (135, 34836), (148, 34881), (150, 34887), (152, 34893), (154, 34899), (161, 34944), (162, 34947), (168, 34974), (191, 35034), (194, 35055), (219, 35133),

Gene: DonSanchon_35 Start: 34042, Stop: 34689, Start Num: 88

Candidate Starts for DonSanchon_35:

(70, 34003), (Start: 84 @34039 has 90 MA's), (Start: 88 @34042 has 177 MA's), (Start: 115 @34123 has 1 MA's), (150, 34258), (168, 34345), (185, 34390), (200, 34468), (218, 34519), (225, 34546), (227, 34564), (243, 34642), (252, 34675), (256, 34681),

Gene: DonTron_61 Start: 39207, Stop: 39830, Start Num: 92

Candidate Starts for DonTron_61:

(Start: 92 @39207 has 5 MA's), (150, 39420), (152, 39426), (231, 39729), (248, 39798), (249, 39804), (256, 39822),

Gene: Donny_36 Start: 35588, Stop: 36196, Start Num: 91

Candidate Starts for Donny_36:

(33, 35411), (48, 35468), (Start: 91 @35588 has 423 MA's), (103, 35618), (118, 35672), (127, 35717), (131, 35732), (135, 35738), (141, 35753), (150, 35789), (152, 35795), (154, 35801), (162, 35849), (171, 35882), (212, 36020), (215, 36026), (246, 36164), (251, 36182),

Gene: Donny_35 Start: 34962, Stop: 35591, Start Num: 90

Candidate Starts for Donny_35:

(Start: 90 @34962 has 18 MA's), (114, 35040), (118, 35052), (129, 35112), (149, 35178), (152, 35187), (154, 35193), (161, 35238), (181, 35286), (183, 35292), (227, 35466), (254, 35580),

Gene: Dori_32 Start: 30878, Stop: 31522, Start Num: 86

Candidate Starts for Dori_32:

(21, 30638), (61, 30812), (Start: 86 @30878 has 45 MA's), (121, 30992), (126, 31025), (129, 31043), (136, 31058), (154, 31121), (161, 31166), (163, 31172), (181, 31214), (183, 31220), (199, 31292), (200, 31301), (203, 31310), (214, 31343), (227, 31397), (252, 31508), (254, 31511),

Gene: Dori_33 Start: 31519, Stop: 32118, Start Num: 91

Candidate Starts for Dori_33:

(64, 31465), (74, 31483), (Start: 91 @31519 has 423 MA's), (100, 31531), (103, 31549), (112, 31576), (117, 31600), (118, 31603), (131, 31663), (150, 31720), (152, 31726), (198, 31903), (212, 31951), (247, 32089), (251, 32104),

Gene: DuchessDung_34 Start: 33199, Stop: 33846, Start Num: 88

Candidate Starts for DuchessDung_34:

(70, 33160), (Start: 84 @33196 has 90 MA's), (Start: 88 @33199 has 177 MA's), (Start: 115 @33280 has 1 MA's), (150, 33415), (168, 33502), (185, 33547), (199, 33616), (200, 33625), (218, 33676), (227, 33721), (243, 33799), (252, 33832), (256, 33838),

Gene: DuchessDung_35 Start: 33843, Stop: 34442, Start Num: 91

Candidate Starts for DuchessDung_35:

(26, 33636), (27, 33639), (34, 33663), (44, 33705), (49, 33723), (53, 33738), (Start: 91 @33843 has 423 MA's), (103, 33873), (106, 33885), (117, 33924), (122, 33939), (135, 33993), (148, 34038), (150, 34044), (152, 34050), (154, 34056), (161, 34101), (162, 34104), (168, 34131), (191, 34191), (194, 34212), (212, 34275), (219, 34290),

Gene: Duggie_35 Start: 34064, Stop: 34711, Start Num: 88

Candidate Starts for Duggie_35:

(70, 34025), (Start: 84 @34061 has 90 MA's), (Start: 88 @34064 has 177 MA's), (Start: 115 @34145 has 1 MA's), (150, 34280), (168, 34367), (185, 34412), (199, 34481), (200, 34490), (218, 34541), (227, 34586), (243, 34664), (252, 34697), (256, 34703),

Gene: Duggie_36 Start: 34708, Stop: 35307, Start Num: 91

Candidate Starts for Duggie_36:

(26, 34501), (27, 34504), (34, 34528), (44, 34570), (49, 34588), (53, 34603), (Start: 91 @34708 has 423 MA's), (103, 34738), (106, 34750), (117, 34789), (122, 34804), (135, 34858), (148, 34903), (150, 34909), (152, 34915), (154, 34921), (161, 34966), (162, 34969), (168, 34996), (191, 35056), (194, 35077), (212, 35140), (219, 35155),

Gene: Durga_36 Start: 34362, Stop: 35009, Start Num: 88

Candidate Starts for Durga_36:

(70, 34323), (Start: 84 @34359 has 90 MA's), (Start: 88 @34362 has 177 MA's), (Start: 115 @34443 has 1 MA's), (150, 34578), (168, 34665), (185, 34710), (199, 34779), (200, 34788), (218, 34839), (227, 34884), (243, 34962), (252, 34995), (256, 35001),

Gene: Durga_37 Start: 35006, Stop: 35605, Start Num: 91

Candidate Starts for Durga_37:

(26, 34799), (27, 34802), (34, 34826), (44, 34868), (49, 34886), (53, 34901), (Start: 91 @35006 has 423 MA's), (103, 35036), (106, 35048), (117, 35087), (122, 35102), (135, 35156), (148, 35201), (150, 35207), (152, 35213), (154, 35219), (161, 35264), (162, 35267), (168, 35294), (191, 35354), (194, 35375), (212, 35438), (219, 35453),

Gene: Eaglehorse_38 Start: 35507, Stop: 36106, Start Num: 91

Candidate Starts for Eaglehorse_38:

(82, 35486), (Start: 91 @35507 has 423 MA's), (103, 35537), (109, 35558), (117, 35588), (118, 35591), (135, 35657), (150, 35708), (151, 35711), (152, 35714), (158, 35744), (161, 35765), (184, 35831), (192, 35861), (217, 35951), (219, 35954), (223, 35972), (227, 35996), (243, 36065), (251, 36092),

Gene: Eaglehorse_36 Start: 34717, Stop: 35361, Start Num: 86

Candidate Starts for Eaglehorse_36:

(37, 34552), (61, 34663), (Start: 86 @34717 has 45 MA's), (Start: 89 @34726 has 1 MA's), (112, 34795), (118, 34822), (121, 34831), (146, 34936), (150, 34948), (154, 34960), (181, 35053), (195, 35119), (200, 35140), (205, 35155), (207, 35161), (214, 35182), (220, 35194), (254, 35350),

Gene: EastView9101_35 Start: 35238, Stop: 35846, Start Num: 91

Candidate Starts for EastView9101_35:

(33, 35061), (48, 35118), (Start: 91 @35238 has 423 MA's), (103, 35268), (118, 35322), (127, 35367), (131, 35382), (135, 35388), (141, 35403), (150, 35439), (152, 35445), (154, 35451), (162, 35499), (171, 35532), (212, 35670), (215, 35676), (246, 35814), (251, 35832),

Gene: EastView9101_34 Start: 34612, Stop: 35241, Start Num: 90

Candidate Starts for EastView9101_34:

(Start: 90 @34612 has 18 MA's), (114, 34690), (118, 34702), (129, 34762), (149, 34828), (152, 34837), (154, 34843), (161, 34888), (181, 34936), (183, 34942), (227, 35116), (254, 35230),

Gene: ElvisPhasley_37 Start: 35028, Stop: 35627, Start Num: 91

Candidate Starts for ElvisPhasley_37:

(26, 34821), (27, 34824), (34, 34848), (44, 34890), (49, 34908), (53, 34923), (Start: 91 @35028 has 423 MA's), (103, 35058), (106, 35070), (117, 35109), (122, 35124), (135, 35178), (148, 35223), (150, 35229), (152, 35235), (154, 35241), (161, 35286), (162, 35289), (168, 35316), (194, 35397), (212, 35460), (219, 35475),

Gene: ElvisPhasley_36 Start: 34384, Stop: 35031, Start Num: 88

Candidate Starts for ElvisPhasley_36:

(70, 34345), (Start: 84 @34381 has 90 MA's), (Start: 88 @34384 has 177 MA's), (Start: 115 @34465 has 1 MA's), (150, 34600), (168, 34687), (185, 34732), (200, 34810), (218, 34861), (227, 34906), (243, 34984), (252, 35017), (256, 35023),

Gene: Emiris_37 Start: 34977, Stop: 35576, Start Num: 91

Candidate Starts for Emiris_37:

(26, 34770), (27, 34773), (34, 34797), (44, 34839), (49, 34857), (53, 34872), (Start: 91 @34977 has 423 MA's), (103, 35007), (106, 35019), (117, 35058), (122, 35073), (135, 35127), (148, 35172), (150, 35178), (152, 35184), (154, 35190), (161, 35235), (162, 35238), (168, 35265), (191, 35325), (194, 35346), (212, 35409), (219, 35424),

Gene: Emiris_36 Start: 34333, Stop: 34980, Start Num: 88

Candidate Starts for Emiris_36:

(70, 34294), (Start: 84 @34330 has 90 MA's), (Start: 88 @34333 has 177 MA's), (Start: 115 @34414 has 1 MA's), (150, 34549), (168, 34636), (185, 34681), (199, 34750), (200, 34759), (218, 34810), (227, 34855), (243, 34933), (252, 34966), (256, 34972),

Gene: EmpTee_36 Start: 34339, Stop: 34989, Start Num: 84

Candidate Starts for EmpTee_36:

(42, 34192), (70, 34303), (Start: 84 @34339 has 90 MA's), (Start: 88 @34342 has 177 MA's), (Start: 115 @34423 has 1 MA's), (150, 34558), (168, 34645), (185, 34690), (200, 34768), (218, 34819), (225, 34846), (227, 34864), (243, 34942), (252, 34975), (256, 34981),

Gene: EmpTee_37 Start: 34986, Stop: 35585, Start Num: 91

Candidate Starts for EmpTee_37:

(27, 34782), (34, 34806), (44, 34848), (49, 34866), (53, 34881), (Start: 91 @34986 has 423 MA's), (103, 35016), (106, 35028), (117, 35067), (122, 35082), (135, 35136), (148, 35181), (150, 35187), (152, 35193), (154, 35199), (161, 35244), (162, 35247), (168, 35274), (191, 35334), (194, 35355),

Gene: Epah_32 Start: 33506, Stop: 34153, Start Num: 67

Candidate Starts for Epah_32:

(Start: 67 @33506 has 25 MA's), (105, 33584), (108, 33596), (126, 33668), (137, 33692), (143, 33713), (144, 33722), (145, 33725), (148, 33734), (149, 33737), (159, 33782), (170, 33836), (177, 33854), (194, 33914), (199, 33926), (219, 33986), (225, 34010), (227, 34028), (246, 34115), (254, 34142),

Gene: Epah_33 Start: 34150, Stop: 34755, Start Num: 91

Candidate Starts for Epah_33:

(Start: 91 @34150 has 423 MA's), (103, 34186), (117, 34237), (118, 34240), (131, 34300), (135, 34306), (148, 34351), (151, 34360), (152, 34363), (153, 34366), (158, 34393), (168, 34444), (192, 34510), (194, 34525), (212, 34588), (227, 34645), (246, 34723), (251, 34741),

Gene: Eremos_37 Start: 34985, Stop: 35584, Start Num: 91

Candidate Starts for Eremos_37:

(27, 34781), (34, 34805), (44, 34847), (49, 34865), (53, 34880), (Start: 91 @34985 has 423 MA's), (103, 35015), (106, 35027), (117, 35066), (122, 35081), (135, 35135), (148, 35180), (150, 35186), (152, 35192), (154, 35198), (161, 35243), (162, 35246), (168, 35273), (191, 35333), (194, 35354), (219, 35432),

Gene: Eremos_36 Start: 34338, Stop: 34988, Start Num: 84

Candidate Starts for Eremos_36:

(70, 34302), (Start: 84 @34338 has 90 MA's), (Start: 88 @34341 has 177 MA's), (Start: 115 @34422 has 1 MA's), (150, 34557), (168, 34644), (185, 34689), (200, 34767), (218, 34818), (225, 34845), (227, 34863), (243, 34941), (252, 34974), (256, 34980),

Gene: Etaye_37 Start: 34976, Stop: 35575, Start Num: 91

Candidate Starts for Etaye_37:

(26, 34769), (27, 34772), (34, 34796), (44, 34838), (49, 34856), (53, 34871), (Start: 91 @34976 has 423 MA's), (103, 35006), (106, 35018), (117, 35057), (122, 35072), (135, 35126), (148, 35171), (150, 35177), (152, 35183), (154, 35189), (161, 35234), (162, 35237), (168, 35264), (191, 35324), (194,

35345), (212, 35408), (219, 35423),

Gene: Etaye_36 Start: 34332, Stop: 34979, Start Num: 88

Candidate Starts for Etaye_36:

(70, 34293), (Start: 84 @34329 has 90 MA's), (Start: 88 @34332 has 177 MA's), (Start: 115 @34413 has 1 MA's), (150, 34548), (168, 34635), (185, 34680), (199, 34749), (200, 34758), (218, 34809), (227, 34854), (243, 34932), (252, 34965), (256, 34971),

Gene: Eugenia_36 Start: 34351, Stop: 34998, Start Num: 88

Candidate Starts for Eugenia_36:

(70, 34312), (Start: 84 @34348 has 90 MA's), (Start: 88 @34351 has 177 MA's), (Start: 115 @34432 has 1 MA's), (150, 34567), (168, 34654), (185, 34699), (200, 34777), (218, 34828), (225, 34855), (227, 34873), (243, 34951), (252, 34984), (256, 34990),

Gene: Eugenia_37 Start: 34995, Stop: 35594, Start Num: 91

Candidate Starts for Eugenia_37:

(27, 34791), (34, 34815), (44, 34857), (49, 34875), (53, 34890), (Start: 91 @34995 has 423 MA's), (103, 35025), (106, 35037), (117, 35076), (122, 35091), (135, 35145), (148, 35190), (150, 35196), (152, 35202), (154, 35208), (161, 35253), (162, 35256), (168, 35283), (191, 35343), (194, 35364), (219, 35442),

Gene: Evaa_30 Start: 28903, Stop: 29499, Start Num: 257

Candidate Starts for Evaa_30:

(113, 28354), (142, 28465), (212, 28726), (241, 28849), (Start: 257 @28903 has 2 MA's), (259, 28936), (263, 28987), (264, 28990), (267, 29050), (269, 29056), (272, 29107), (274, 29113), (278, 29164), (282, 29218), (284, 29260), (287, 29305), (294, 29371), (297, 29410), (300, 29494),

Gene: Evaa_29 Start: 28292, Stop: 28906, Start Num: 95

Candidate Starts for Evaa_29:

(Start: 95 @28292 has 16 MA's), (114, 28361), (126, 28412), (136, 28445), (150, 28496), (151, 28499), (154, 28508), (158, 28532), (181, 28601), (183, 28607), (188, 28619), (203, 28697), (252, 28892), (254, 28895),

Gene: Fanaw_32 Start: 34203, Stop: 34850, Start Num: 67

Candidate Starts for Fanaw_32:

(Start: 67 @34203 has 25 MA's), (105, 34281), (108, 34293), (126, 34365), (144, 34419), (145, 34422), (148, 34431), (159, 34479), (170, 34533), (177, 34551), (194, 34611), (199, 34623), (219, 34683), (223, 34701), (225, 34707), (227, 34725), (246, 34812), (247, 34815), (254, 34839),

Gene: Fanaw_33 Start: 34847, Stop: 35452, Start Num: 91

Candidate Starts for Fanaw_33:

(Start: 91 @34847 has 423 MA's), (103, 34883), (117, 34934), (118, 34937), (131, 34997), (135, 35003), (148, 35048), (151, 35057), (152, 35060), (153, 35063), (158, 35090), (161, 35111), (168, 35141), (192, 35207), (194, 35222), (212, 35285), (227, 35342), (246, 35420), (251, 35438),

Gene: Fang_36 Start: 34352, Stop: 35002, Start Num: 84

Candidate Starts for Fang_36:

(70, 34316), (Start: 84 @34352 has 90 MA's), (Start: 88 @34355 has 177 MA's), (Start: 115 @34436 has 1 MA's), (150, 34571), (168, 34658), (185, 34703), (200, 34781), (218, 34832), (225, 34859), (227, 34877), (243, 34955), (252, 34988), (256, 34994),

Gene: Fang_37 Start: 34999, Stop: 35598, Start Num: 91

Candidate Starts for Fang_37:

(27, 34795), (34, 34819), (44, 34861), (49, 34879), (53, 34894), (Start: 91 @34999 has 423 MA's), (103, 35029), (106, 35041), (117, 35080), (122, 35095), (135, 35149), (148, 35194), (150, 35200), (152, 35206), (154, 35212), (161, 35257), (162, 35260), (168, 35287), (191, 35347), (194, 35368), (219, 35446),

Gene: Faze9_36 Start: 34813, Stop: 35457, Start Num: 86

Candidate Starts for Faze9_36:

(10, 34444), (12, 34456), (19, 34555), (37, 34648), (61, 34759), (Start: 86 @34813 has 45 MA's), (Start: 89 @34822 has 1 MA's), (112, 34891), (118, 34918), (121, 34927), (150, 35044), (154, 35056), (181, 35149), (195, 35215), (200, 35236), (205, 35251), (207, 35257), (214, 35278), (220, 35290), (254, 35446),

Gene: Faze9_37 Start: 35603, Stop: 36202, Start Num: 91

Candidate Starts for Faze9_37:

(82, 35582), (Start: 91 @35603 has 423 MA's), (103, 35633), (109, 35654), (117, 35684), (118, 35687), (135, 35753), (150, 35804), (151, 35807), (152, 35810), (158, 35840), (161, 35861), (184, 35927), (192, 35957), (217, 36047), (219, 36050), (223, 36068), (227, 36092), (243, 36161), (251, 36188),

Gene: FluffyNinja_36 Start: 34345, Stop: 34995, Start Num: 84

Candidate Starts for FluffyNinja_36:

(70, 34309), (Start: 84 @34345 has 90 MA's), (Start: 88 @34348 has 177 MA's), (Start: 115 @34429 has 1 MA's), (150, 34564), (168, 34651), (185, 34696), (200, 34774), (218, 34825), (225, 34852), (227, 34870), (243, 34948), (252, 34981), (256, 34987),

Gene: FluffyNinja_37 Start: 34992, Stop: 35591, Start Num: 91

Candidate Starts for FluffyNinja_37:

(27, 34788), (34, 34812), (44, 34854), (49, 34872), (53, 34887), (Start: 91 @34992 has 423 MA's), (103, 35022), (106, 35034), (117, 35073), (122, 35088), (135, 35142), (148, 35187), (150, 35193), (152, 35199), (154, 35205), (161, 35250), (162, 35253), (168, 35280), (191, 35340), (194, 35361), (219, 35439),

Gene: ForDig_31 Start: 32064, Stop: 32708, Start Num: 90

Candidate Starts for ForDig_31:

(Start: 90 @32064 has 18 MA's), (114, 32139), (118, 32151), (141, 32241), (153, 32286), (180, 32400), (185, 32412), (191, 32436), (193, 32454), (195, 32469), (208, 32517), (254, 32697),

Gene: ForDig_32 Start: 32705, Stop: 33313, Start Num: 91

Candidate Starts for ForDig_32:

(13, 32351), (27, 32504), (34, 32528), (65, 32651), (Start: 91 @32705 has 423 MA's), (131, 32849), (135, 32855), (150, 32906), (153, 32915), (154, 32918), (161, 32963), (167, 32990), (182, 33026), (186, 33032), (191, 33053), (221, 33161), (236, 33239), (246, 33281), (251, 33299),

Gene: Fortunato_34 Start: 35175, Stop: 35780, Start Num: 91

Candidate Starts for Fortunato_34:

(Start: 91 @35175 has 423 MA's), (103, 35211), (112, 35238), (117, 35262), (118, 35265), (131, 35325), (135, 35331), (148, 35376), (151, 35385), (152, 35388), (153, 35391), (158, 35418), (161, 35439), (168, 35469), (192, 35535), (194, 35550), (212, 35613), (227, 35670), (246, 35748), (251, 35766),

Gene: Fortunato_33 Start: 34531, Stop: 35178, Start Num: 67

Candidate Starts for Fortunato_33:

(Start: 67 @34531 has 25 MA's), (105, 34609), (108, 34621), (126, 34693), (144, 34747), (145, 34750), (148, 34759), (159, 34807), (170, 34861), (177, 34879), (194, 34939), (199, 34951), (225, 35035),

(227, 35053), (246, 35140), (247, 35143), (254, 35167),

Gene: Fozzie_35 Start: 34364, Stop: 35011, Start Num: 88

Candidate Starts for Fozzie_35:

(70, 34325), (Start: 84 @34361 has 90 MA's), (Start: 88 @34364 has 177 MA's), (Start: 115 @34445 has 1 MA's), (150, 34580), (168, 34667), (185, 34712), (200, 34790), (218, 34841), (225, 34868), (227, 34886), (243, 34964), (252, 34997), (256, 35003),

Gene: Fozzie_36 Start: 35008, Stop: 35607, Start Num: 91

Candidate Starts for Fozzie_36:

(27, 34804), (34, 34828), (44, 34870), (49, 34888), (53, 34903), (Start: 91 @35008 has 423 MA's), (103, 35038), (106, 35050), (117, 35089), (122, 35104), (135, 35158), (148, 35203), (150, 35209), (152, 35215), (154, 35221), (161, 35266), (162, 35269), (168, 35296), (191, 35356), (194, 35377), (219, 35455),

Gene: Frankicide_36 Start: 34360, Stop: 35007, Start Num: 88

Candidate Starts for Frankicide_36:

(42, 34210), (70, 34321), (Start: 84 @34357 has 90 MA's), (Start: 88 @34360 has 177 MA's), (Start: 115 @34441 has 1 MA's), (150, 34576), (168, 34663), (185, 34708), (200, 34786), (218, 34837), (225, 34864), (227, 34882), (243, 34960), (252, 34993), (256, 34999),

Gene: Frankicide_37 Start: 35004, Stop: 35603, Start Num: 91

Candidate Starts for Frankicide_37:

(27, 34800), (34, 34824), (44, 34866), (49, 34884), (53, 34899), (Start: 91 @35004 has 423 MA's), (103, 35034), (106, 35046), (117, 35085), (122, 35100), (135, 35154), (148, 35199), (150, 35205), (152, 35211), (154, 35217), (161, 35262), (162, 35265), (168, 35292), (191, 35352), (194, 35373), (219, 35451),

Gene: Frederick_33 Start: 34537, Stop: 35184, Start Num: 67

Candidate Starts for Frederick_33:

(Start: 67 @34537 has 25 MA's), (105, 34615), (108, 34627), (126, 34699), (137, 34723), (144, 34753), (145, 34756), (148, 34765), (159, 34813), (170, 34867), (177, 34885), (194, 34945), (199, 34957), (219, 35017), (225, 35041), (227, 35059), (246, 35146), (247, 35149), (254, 35173),

Gene: Frederick_34 Start: 35181, Stop: 35786, Start Num: 91

Candidate Starts for Frederick_34:

(Start: 91 @35181 has 423 MA's), (103, 35217), (112, 35244), (117, 35268), (118, 35271), (131, 35331), (135, 35337), (148, 35382), (151, 35391), (152, 35394), (153, 35397), (158, 35424), (161, 35445), (168, 35475), (192, 35541), (194, 35556), (212, 35619), (227, 35676), (246, 35754), (251, 35772),

Gene: FrenchFry_38 Start: 35597, Stop: 36196, Start Num: 91

Candidate Starts for FrenchFry_38:

(82, 35576), (Start: 91 @35597 has 423 MA's), (103, 35627), (109, 35648), (117, 35678), (118, 35681), (135, 35747), (150, 35798), (151, 35801), (152, 35804), (158, 35834), (161, 35855), (184, 35921), (192, 35951), (217, 36041), (219, 36044), (223, 36062), (227, 36086), (243, 36155), (251, 36182),

Gene: FrenchFry_36 Start: 34807, Stop: 35451, Start Num: 86

Candidate Starts for FrenchFry_36:

(37, 34642), (61, 34753), (Start: 86 @34807 has 45 MA's), (Start: 89 @34816 has 1 MA's), (112, 34885), (118, 34912), (121, 34921), (124, 34930), (150, 35038), (154, 35050), (181, 35143), (195, 35209), (200, 35230), (205, 35245), (207, 35251), (214, 35272), (220, 35284), (254, 35440),

Gene: Fresco_29 Start: 27488, Stop: 28102, Start Num: 95

Candidate Starts for Fresco_29:

(45, 27338), (Start: 95 @27488 has 16 MA's), (101, 27503), (Start: 104 @27521 has 1 MA's), (114, 27557), (122, 27581), (128, 27620), (149, 27689), (150, 27692), (151, 27695), (181, 27797), (239, 28034), (243, 28055), (245, 28061), (254, 28091),

Gene: Fresco_30 Start: 28099, Stop: 28731, Start Num: 91

Candidate Starts for Fresco_30:

(34, 27922), (Start: 91 @28099 has 423 MA's), (103, 28132), (112, 28159), (135, 28252), (149, 28300), (152, 28309), (161, 28360), (182, 28423), (184, 28426), (199, 28489), (219, 28549), (221, 28558), (223, 28567), (248, 28705),

Gene: Freya_35 Start: 34039, Stop: 34686, Start Num: 88

Candidate Starts for Freya_35:

(70, 34000), (Start: 84 @34036 has 90 MA's), (Start: 88 @34039 has 177 MA's), (Start: 115 @34120 has 1 MA's), (150, 34255), (168, 34342), (185, 34387), (200, 34465), (218, 34516), (225, 34543), (227, 34561), (243, 34639), (252, 34672), (256, 34678),

Gene: Freya_36 Start: 34683, Stop: 35282, Start Num: 91

Candidate Starts for Freya_36:

(27, 34479), (34, 34503), (44, 34545), (49, 34563), (53, 34578), (Start: 91 @34683 has 423 MA's), (103, 34713), (106, 34725), (117, 34764), (122, 34779), (135, 34833), (148, 34878), (150, 34884), (152, 34890), (154, 34896), (161, 34941), (162, 34944), (168, 34971), (191, 35031), (194, 35052), (219, 35130),

Gene: FriarPreacher_37 Start: 35010, Stop: 35609, Start Num: 91

Candidate Starts for FriarPreacher_37:

(27, 34806), (34, 34830), (44, 34872), (49, 34890), (53, 34905), (Start: 91 @35010 has 423 MA's), (103, 35040), (106, 35052), (117, 35091), (122, 35106), (135, 35160), (148, 35205), (150, 35211), (152, 35217), (154, 35223), (161, 35268), (162, 35271), (168, 35298), (191, 35358), (194, 35379), (219, 35457),

Gene: FriarPreacher_36 Start: 34363, Stop: 35013, Start Num: 84

Candidate Starts for FriarPreacher_36:

(70, 34327), (Start: 84 @34363 has 90 MA's), (Start: 88 @34366 has 177 MA's), (Start: 115 @34447 has 1 MA's), (150, 34582), (168, 34669), (185, 34714), (200, 34792), (218, 34843), (225, 34870), (227, 34888), (243, 34966), (252, 34999), (256, 35005),

Gene: Fringe_37 Start: 34975, Stop: 35574, Start Num: 91

Candidate Starts for Fringe_37:

(27, 34771), (34, 34795), (44, 34837), (49, 34855), (53, 34870), (Start: 91 @34975 has 423 MA's), (103, 35005), (106, 35017), (117, 35056), (122, 35071), (135, 35125), (148, 35170), (150, 35176), (152, 35182), (154, 35188), (161, 35233), (162, 35236), (168, 35263), (191, 35323), (194, 35344), (219, 35422),

Gene: Fringe_36 Start: 34331, Stop: 34978, Start Num: 88

Candidate Starts for Fringe_36:

(42, 34181), (70, 34292), (Start: 84 @34328 has 90 MA's), (Start: 88 @34331 has 177 MA's), (Start: 115 @34412 has 1 MA's), (150, 34547), (168, 34634), (185, 34679), (200, 34757), (218, 34808), (225, 34835), (227, 34853), (243, 34931), (252, 34964), (256, 34970),

Gene: FugateOSU_36 Start: 34688, Stop: 35287, Start Num: 91

Candidate Starts for FugateOSU_36:

(27, 34484), (34, 34508), (44, 34550), (49, 34568), (53, 34583), (Start: 91 @34688 has 423 MA's), (103, 34718), (106, 34730), (117, 34769), (122, 34784), (135, 34838), (148, 34883), (150, 34889), (152, 34895), (154, 34901), (161, 34946), (162, 34949), (168, 34976), (191, 35036), (194, 35057), (219, 35135),

Gene: FugateOSU_35 Start: 34044, Stop: 34691, Start Num: 88

Candidate Starts for FugateOSU_35:

(70, 34005), (Start: 84 @34041 has 90 MA's), (Start: 88 @34044 has 177 MA's), (Start: 115 @34125 has 1 MA's), (150, 34260), (168, 34347), (185, 34392), (200, 34470), (218, 34521), (225, 34548), (227, 34566), (243, 34644), (252, 34677), (256, 34683),

Gene: Funsized_38 Start: 37106, Stop: 37753, Start Num: 90

Candidate Starts for Funsized_38:

(6, 36659), (17, 36773), (20, 36830), (28, 36893), (35, 36914), (77, 37067), (83, 37085), (Start: 90 @37106 has 18 MA's), (114, 37181), (119, 37199), (121, 37205), (141, 37286), (146, 37310), (150, 37322), (152, 37328), (185, 37457), (218, 37586), (223, 37604), (227, 37628), (247, 37718), (252, 37739), (254, 37742),

Gene: Funsized_39 Start: 37750, Stop: 38358, Start Num: 91

Candidate Starts for Funsized_39:

(65, 37696), (Start: 91 @37750 has 423 MA's), (100, 37765), (103, 37783), (112, 37810), (117, 37834), (131, 37897), (135, 37903), (150, 37954), (152, 37960), (154, 37966), (156, 37984), (158, 37990), (161, 38011), (171, 38047), (217, 38197), (219, 38200), (227, 38242), (236, 38287), (246, 38329), (251, 38347),

Gene: Gadget_38 Start: 34940, Stop: 35539, Start Num: 91

Candidate Starts for Gadget_38:

(26, 34736), (Start: 91 @34940 has 423 MA's), (103, 34970), (112, 34997), (131, 35084), (135, 35090), (154, 35153), (158, 35177), (191, 35288), (212, 35372), (217, 35384), (230, 35444), (251, 35525),

Gene: Gadget_37 Start: 34290, Stop: 34943, Start Num: 85

Candidate Starts for Gadget_37:

(Start: 85 @34290 has 45 MA's), (112, 34371), (149, 34518), (183, 34644), (190, 34659), (203, 34734), (244, 34899), (252, 34929),

Gene: Gareth_36 Start: 34691, Stop: 35290, Start Num: 91

Candidate Starts for Gareth_36:

(27, 34487), (34, 34511), (44, 34553), (49, 34571), (53, 34586), (Start: 91 @34691 has 423 MA's), (103, 34721), (106, 34733), (117, 34772), (122, 34787), (135, 34841), (148, 34886), (150, 34892), (152, 34898), (154, 34904), (161, 34949), (162, 34952), (168, 34979), (191, 35039), (194, 35060), (219, 35138),

Gene: Gareth_35 Start: 34044, Stop: 34694, Start Num: 84

Candidate Starts for Gareth_35:

(70, 34008), (Start: 84 @34044 has 90 MA's), (Start: 88 @34047 has 177 MA's), (Start: 115 @34128 has 1 MA's), (150, 34263), (168, 34350), (185, 34395), (200, 34473), (218, 34524), (225, 34551), (227, 34569), (243, 34647), (252, 34680), (256, 34686),

Gene: GeneCoco_37 Start: 35000, Stop: 35599, Start Num: 91

Candidate Starts for GeneCoco_37:

(26, 34793), (27, 34796), (34, 34820), (44, 34862), (49, 34880), (53, 34895), (Start: 91 @35000 has 423 MA's), (103, 35030), (106, 35042), (117, 35081), (122, 35096), (135, 35150), (148, 35195), (150, 35201), (152, 35207), (154, 35213), (161, 35258), (162, 35261), (168, 35288), (191, 35348), (194,

35369), (212, 35432), (219, 35447),

Gene: GeneCoco_36 Start: 34353, Stop: 35003, Start Num: 84

Candidate Starts for GeneCoco_36:

(70, 34317), (Start: 84 @34353 has 90 MA's), (Start: 88 @34356 has 177 MA's), (Start: 115 @34437 has 1 MA's), (150, 34572), (168, 34659), (185, 34704), (199, 34773), (200, 34782), (218, 34833), (227, 34878), (243, 34956), (252, 34989), (256, 34995),

Gene: Gervas_36 Start: 34257, Stop: 34910, Start Num: 85

Candidate Starts for Gervas_36:

(Start: 85 @34257 has 45 MA's), (112, 34338), (117, 34362), (149, 34485), (183, 34611), (190, 34626), (203, 34701), (244, 34866), (245, 34869), (252, 34896),

Gene: Gervas_37 Start: 34907, Stop: 35506, Start Num: 91

Candidate Starts for Gervas_37:

(Start: 91 @34907 has 423 MA's), (103, 34937), (112, 34964), (131, 35051), (135, 35057), (154, 35120), (158, 35144), (161, 35165), (191, 35255), (212, 35339), (217, 35351), (230, 35411), (245, 35471), (251, 35492),

Gene: GinPorsche_32 Start: 33506, Stop: 34153, Start Num: 67

Candidate Starts for GinPorsche_32:

(Start: 67 @33506 has 25 MA's), (105, 33584), (108, 33596), (126, 33668), (137, 33692), (143, 33713), (144, 33722), (145, 33725), (148, 33734), (149, 33737), (159, 33782), (170, 33836), (177, 33854), (194, 33914), (199, 33926), (219, 33986), (225, 34010), (227, 34028), (246, 34115), (254, 34142),

Gene: GinPorsche_33 Start: 34150, Stop: 34755, Start Num: 91

Candidate Starts for GinPorsche_33:

(Start: 91 @34150 has 423 MA's), (103, 34186), (117, 34237), (118, 34240), (131, 34300), (135, 34306), (148, 34351), (151, 34360), (152, 34363), (153, 34366), (158, 34393), (168, 34444), (192, 34510), (194, 34525), (212, 34588), (227, 34645), (246, 34723), (251, 34741),

Gene: Giraffe_37 Start: 34694, Stop: 35293, Start Num: 91

Candidate Starts for Giraffe_37:

(27, 34490), (34, 34514), (44, 34556), (49, 34574), (53, 34589), (Start: 91 @34694 has 423 MA's), (103, 34724), (106, 34736), (117, 34775), (122, 34790), (135, 34844), (148, 34889), (150, 34895), (152, 34901), (154, 34907), (161, 34952), (162, 34955), (168, 34982), (191, 35042), (194, 35063), (219, 35141),

Gene: Giraffe_36 Start: 34050, Stop: 34697, Start Num: 88

Candidate Starts for Giraffe_36:

(70, 34011), (Start: 84 @34047 has 90 MA's), (Start: 88 @34050 has 177 MA's), (Start: 115 @34131 has 1 MA's), (150, 34266), (168, 34353), (185, 34398), (200, 34476), (218, 34527), (225, 34554), (227, 34572), (243, 34650), (252, 34683), (256, 34689),

Gene: Glass_38 Start: 35597, Stop: 36196, Start Num: 91

Candidate Starts for Glass_38:

(82, 35576), (Start: 91 @35597 has 423 MA's), (103, 35627), (109, 35648), (117, 35678), (118, 35681), (135, 35747), (150, 35798), (151, 35801), (152, 35804), (158, 35834), (161, 35855), (184, 35921), (192, 35951), (217, 36041), (219, 36044), (223, 36062), (227, 36086), (243, 36155), (251, 36182),

Gene: Glass_36 Start: 34807, Stop: 35451, Start Num: 86

Candidate Starts for Glass_36:

(37, 34642), (61, 34753), (Start: 86 @34807 has 45 MA's), (Start: 89 @34816 has 1 MA's), (112, 34885), (118, 34912), (121, 34921), (124, 34930), (150, 35038), (154, 35050), (181, 35143), (195, 35209), (200, 35230), (205, 35245), (207, 35251), (214, 35272), (220, 35284), (254, 35440),

Gene: GlenHope_38 Start: 34920, Stop: 35519, Start Num: 91

Candidate Starts for GlenHope_38:

(Start: 91 @34920 has 423 MA's), (103, 34950), (112, 34977), (131, 35064), (135, 35070), (154, 35133), (158, 35157), (161, 35178), (191, 35268), (212, 35352), (217, 35364), (230, 35424), (251, 35505),

Gene: GlenHope_37 Start: 34270, Stop: 34923, Start Num: 85

Candidate Starts for GlenHope_37:

(Start: 85 @34270 has 45 MA's), (112, 34351), (117, 34375), (149, 34498), (183, 34624), (190, 34639), (203, 34714), (244, 34879), (252, 34909),

Gene: Glubnar_36 Start: 34269, Stop: 34922, Start Num: 85

Candidate Starts for Glubnar_36:

(Start: 85 @34269 has 45 MA's), (112, 34350), (149, 34497), (183, 34623), (190, 34638), (203, 34713), (244, 34878), (252, 34908),

Gene: Glubnar_37 Start: 34919, Stop: 35518, Start Num: 91

Candidate Starts for Glubnar_37:

(Start: 91 @34919 has 423 MA's), (103, 34949), (112, 34976), (131, 35063), (135, 35069), (154, 35132), (158, 35156), (161, 35177), (191, 35267), (212, 35351), (217, 35363), (230, 35423), (251, 35504),

Gene: GodPhather_31 Start: 32995, Stop: 33594, Start Num: 91

Candidate Starts for GodPhather_31:

(Start: 91 @32995 has 423 MA's), (103, 33025), (109, 33046), (112, 33052), (131, 33139), (135, 33145), (150, 33196), (154, 33208), (158, 33232), (161, 33253), (165, 33271), (171, 33289), (182, 33316), (225, 33466), (227, 33484), (245, 33559), (251, 33580),

Gene: GodPhather_29 Start: 32201, Stop: 32845, Start Num: 86

Candidate Starts for GodPhather_29:

(Start: 86 @32201 has 45 MA's), (93, 32219), (103, 32252), (111, 32276), (121, 32315), (124, 32324), (136, 32381), (150, 32432), (152, 32438), (154, 32444), (169, 32519), (185, 32546), (195, 32603), (207, 32645), (227, 32720), (242, 32792),

Gene: Godines_36 Start: 34749, Stop: 35393, Start Num: 86

Candidate Starts for Godines_36:

(22, 34548), (Start: 86 @34749 has 45 MA's), (Start: 89 @34758 has 1 MA's), (112, 34827), (118, 34854), (121, 34863), (124, 34872), (150, 34980), (154, 34992), (181, 35085), (195, 35151), (200, 35172), (205, 35187), (207, 35193), (214, 35214), (220, 35226), (254, 35382),

Gene: Godines_38 Start: 35539, Stop: 36138, Start Num: 91

Candidate Starts for Godines_38:

(82, 35518), (Start: 91 @35539 has 423 MA's), (103, 35569), (109, 35590), (117, 35620), (118, 35623), (135, 35689), (150, 35740), (151, 35743), (152, 35746), (158, 35776), (161, 35797), (184, 35863), (192, 35893), (217, 35983), (219, 35986), (223, 36004), (227, 36028), (243, 36097), (251, 36124),

Gene: Gophee_37 Start: 34977, Stop: 35576, Start Num: 91

Candidate Starts for Gophee_37:

(27, 34773), (34, 34797), (44, 34839), (49, 34857), (53, 34872), (Start: 91 @34977 has 423 MA's), (103, 35007), (106, 35019), (117, 35058), (122, 35073), (135, 35127), (148, 35172), (150, 35178), (152, 35184), (154, 35190), (161, 35235), (162, 35238), (168, 35265), (191, 35325), (194, 35346), (219, 35424),

Gene: Gophee_36 Start: 34333, Stop: 34980, Start Num: 88

Candidate Starts for Gophee_36:

(42, 34183), (70, 34294), (Start: 84 @34330 has 90 MA's), (Start: 88 @34333 has 177 MA's), (Start: 115 @34414 has 1 MA's), (150, 34549), (168, 34636), (185, 34681), (200, 34759), (218, 34810), (225, 34837), (227, 34855), (243, 34933), (252, 34966), (256, 34972),

Gene: Grand2040_35 Start: 34062, Stop: 34712, Start Num: 84

Candidate Starts for Grand2040_35:

(70, 34026), (Start: 84 @34062 has 90 MA's), (Start: 88 @34065 has 177 MA's), (Start: 115 @34146 has 1 MA's), (150, 34281), (168, 34368), (185, 34413), (200, 34491), (218, 34542), (225, 34569), (227, 34587), (243, 34665), (252, 34698), (256, 34704),

Gene: Grand2040_36 Start: 34709, Stop: 35308, Start Num: 91

Candidate Starts for Grand2040_36:

(27, 34505), (34, 34529), (44, 34571), (49, 34589), (53, 34604), (Start: 91 @34709 has 423 MA's), (103, 34739), (106, 34751), (117, 34790), (122, 34805), (135, 34859), (148, 34904), (150, 34910), (152, 34916), (154, 34922), (161, 34967), (162, 34970), (168, 34997), (191, 35057), (194, 35078), (219, 35156),

Gene: Gwennie1_36 Start: 34414, Stop: 35061, Start Num: 88

Candidate Starts for Gwennie1_36:

(70, 34375), (Start: 84 @34411 has 90 MA's), (Start: 88 @34414 has 177 MA's), (Start: 115 @34495 has 1 MA's), (150, 34630), (168, 34717), (185, 34762), (200, 34840), (218, 34891), (225, 34918), (227, 34936), (243, 35014), (252, 35047), (256, 35053),

Gene: Gwennie1_37 Start: 35058, Stop: 35657, Start Num: 91

Candidate Starts for Gwennie1_37:

(26, 34851), (27, 34854), (34, 34878), (44, 34920), (49, 34938), (53, 34953), (Start: 91 @35058 has 423 MA's), (103, 35088), (106, 35100), (117, 35139), (122, 35154), (135, 35208), (148, 35253), (150, 35259), (152, 35265), (154, 35271), (161, 35316), (162, 35319), (168, 35346), (191, 35406), (194, 35427), (212, 35490), (219, 35505),

Gene: Gwilliam_36 Start: 34345, Stop: 34992, Start Num: 88

Candidate Starts for Gwilliam_36:

(70, 34306), (Start: 84 @34342 has 90 MA's), (Start: 88 @34345 has 177 MA's), (Start: 115 @34426 has 1 MA's), (150, 34561), (168, 34648), (185, 34693), (200, 34771), (218, 34822), (225, 34849), (227, 34867), (243, 34945), (252, 34978), (256, 34984),

Gene: Gwilliam_37 Start: 34989, Stop: 35588, Start Num: 91

Candidate Starts for Gwilliam_37:

(26, 34782), (27, 34785), (34, 34809), (44, 34851), (49, 34869), (53, 34884), (Start: 91 @34989 has 423 MA's), (103, 35019), (106, 35031), (117, 35070), (122, 35085), (135, 35139), (148, 35184), (150, 35190), (152, 35196), (154, 35202), (161, 35247), (162, 35250), (168, 35277), (191, 35337), (194, 35358), (219, 35436),

Gene: Gyarad_0037 Start: 34991, Stop: 35590, Start Num: 91

Candidate Starts for Gyarad_0037:

(26, 34784), (27, 34787), (34, 34811), (44, 34853), (49, 34871), (53, 34886), (Start: 91 @34991 has 423 MA's), (103, 35021), (106, 35033), (117, 35072), (122, 35087), (135, 35141), (148, 35186), (150, 35192), (152, 35198), (154, 35204), (161, 35249), (162, 35252), (168, 35279), (191, 35339), (194, 35360), (219, 35438),

Gene: Gyarad_0036 Start: 34344, Stop: 34994, Start Num: 84

Candidate Starts for Gyarad_0036:

(70, 34308), (Start: 84 @34344 has 90 MA's), (Start: 88 @34347 has 177 MA's), (Start: 115 @34428 has 1 MA's), (150, 34563), (168, 34650), (185, 34695), (200, 34773), (218, 34824), (225, 34851), (227, 34869), (243, 34947), (252, 34980), (256, 34986),

Gene: HSavage_36 Start: 34351, Stop: 34998, Start Num: 88

Candidate Starts for HSavage_36:

(42, 34201), (70, 34312), (Start: 84 @34348 has 90 MA's), (Start: 88 @34351 has 177 MA's), (Start: 115 @34432 has 1 MA's), (150, 34567), (168, 34654), (185, 34699), (200, 34777), (218, 34828), (225, 34855), (227, 34873), (243, 34951), (252, 34984), (256, 34990),

Gene: HSavage_37 Start: 34995, Stop: 35594, Start Num: 91

Candidate Starts for HSavage_37:

(27, 34791), (34, 34815), (44, 34857), (49, 34875), (53, 34890), (Start: 91 @34995 has 423 MA's), (103, 35025), (106, 35037), (117, 35076), (122, 35091), (135, 35145), (148, 35190), (150, 35196), (152, 35202), (154, 35208), (161, 35253), (162, 35256), (168, 35283), (191, 35343), (194, 35364), (219, 35442),

Gene: Haimas_37 Start: 34986, Stop: 35585, Start Num: 91

Candidate Starts for Haimas_37:

(27, 34782), (34, 34806), (44, 34848), (49, 34866), (53, 34881), (Start: 91 @34986 has 423 MA's), (103, 35016), (106, 35028), (117, 35067), (122, 35082), (135, 35136), (148, 35181), (150, 35187), (152, 35193), (154, 35199), (161, 35244), (162, 35247), (168, 35274), (191, 35334), (194, 35355), (219, 35433),

Gene: Haimas_36 Start: 34339, Stop: 34989, Start Num: 84

Candidate Starts for Haimas_36:

(70, 34303), (Start: 84 @34339 has 90 MA's), (Start: 88 @34342 has 177 MA's), (Start: 115 @34423 has 1 MA's), (150, 34558), (168, 34645), (185, 34690), (200, 34768), (218, 34819), (225, 34846), (227, 34864), (243, 34942), (252, 34975), (256, 34981),

Gene: Haleema_36 Start: 34709, Stop: 35308, Start Num: 91

Candidate Starts for Haleema_36:

(27, 34505), (34, 34529), (44, 34571), (49, 34589), (53, 34604), (Start: 91 @34709 has 423 MA's), (103, 34739), (106, 34751), (117, 34790), (122, 34805), (135, 34859), (148, 34904), (150, 34910), (152, 34916), (154, 34922), (161, 34967), (162, 34970), (168, 34997), (191, 35057), (194, 35078), (219, 35156),

Gene: Haleema_35 Start: 34065, Stop: 34712, Start Num: 88

Candidate Starts for Haleema_35:

(70, 34026), (Start: 84 @34062 has 90 MA's), (Start: 88 @34065 has 177 MA's), (Start: 115 @34146 has 1 MA's), (150, 34281), (168, 34368), (185, 34413), (200, 34491), (218, 34542), (225, 34569), (227, 34587), (243, 34665), (252, 34698), (256, 34704),

Gene: Halfpint_35 Start: 34096, Stop: 34749, Start Num: 85

Candidate Starts for Halfpint_35:

(Start: 85 @34096 has 45 MA's), (112, 34177), (149, 34324), (183, 34450), (190, 34465), (203, 34540), (244, 34705), (245, 34708), (252, 34735),

Gene: Halfpint_36 Start: 34746, Stop: 35345, Start Num: 91

Candidate Starts for Halfpint_36:

(Start: 91 @34746 has 423 MA's), (103, 34776), (112, 34803), (131, 34890), (135, 34896), (154, 34959), (158, 34983), (191, 35094), (212, 35178), (217, 35190), (230, 35250), (251, 35331),

Gene: Hally898_33 Start: 34162, Stop: 34767, Start Num: 91

Candidate Starts for Hally898_33:

(Start: 91 @34162 has 423 MA's), (103, 34198), (117, 34249), (118, 34252), (131, 34312), (135, 34318), (148, 34363), (151, 34372), (152, 34375), (153, 34378), (158, 34405), (168, 34456), (192, 34522), (194, 34537), (212, 34600), (227, 34657), (246, 34735), (251, 34753),

Gene: Hally898_32 Start: 33518, Stop: 34165, Start Num: 67

Candidate Starts for Hally898_32:

(Start: 67 @33518 has 25 MA's), (105, 33596), (108, 33608), (126, 33680), (137, 33704), (143, 33725), (144, 33734), (145, 33737), (148, 33746), (149, 33749), (159, 33794), (170, 33848), (177, 33866), (194, 33926), (199, 33938), (219, 33998), (225, 34022), (227, 34040), (246, 34127), (254, 34154),

Gene: Hamish_37 Start: 34978, Stop: 35577, Start Num: 91

Candidate Starts for Hamish_37:

(27, 34774), (34, 34798), (44, 34840), (49, 34858), (53, 34873), (Start: 91 @34978 has 423 MA's), (103, 35008), (106, 35020), (117, 35059), (122, 35074), (135, 35128), (148, 35173), (150, 35179), (152, 35185), (154, 35191), (161, 35236), (162, 35239), (168, 35266), (191, 35326), (194, 35347), (219, 35425),

Gene: Hamish_36 Start: 34334, Stop: 34981, Start Num: 88

Candidate Starts for Hamish_36:

(70, 34295), (Start: 84 @34331 has 90 MA's), (Start: 88 @34334 has 177 MA's), (Start: 115 @34415 has 1 MA's), (150, 34550), (168, 34637), (185, 34682), (200, 34760), (218, 34811), (225, 34838), (227, 34856), (243, 34934), (252, 34967), (256, 34973),

Gene: Hangman_33 Start: 34529, Stop: 35176, Start Num: 67

Candidate Starts for Hangman_33:

(Start: 67 @34529 has 25 MA's), (105, 34607), (108, 34619), (126, 34691), (137, 34715), (143, 34736), (144, 34745), (145, 34748), (148, 34757), (159, 34805), (177, 34877), (194, 34937), (199, 34949), (219, 35009), (225, 35033), (227, 35051), (246, 35138), (247, 35141), (254, 35165),

Gene: Hangman_34 Start: 35173, Stop: 35778, Start Num: 91

Candidate Starts for Hangman_34:

(1, 34600), (3, 34717), (7, 34771), (8, 34780), (18, 34903), (27, 34972), (34, 34996), (49, 35053), (Start: 91 @35173 has 423 MA's), (103, 35209), (112, 35236), (117, 35260), (118, 35263), (131, 35323), (135, 35329), (148, 35374), (151, 35383), (152, 35386), (153, 35389), (158, 35416), (161, 35437), (168, 35467), (194, 35548), (212, 35611), (227, 35668), (246, 35746), (251, 35764),

Gene: Hartsy_36 Start: 34385, Stop: 35032, Start Num: 88

Candidate Starts for Hartsy_36:

(70, 34346), (Start: 84 @34382 has 90 MA's), (Start: 88 @34385 has 177 MA's), (Start: 115 @34466 has 1 MA's), (150, 34601), (168, 34688), (185, 34733), (199, 34802), (200, 34811), (218, 34862), (227, 34907), (243, 34985), (252, 35018), (256, 35024),

Gene: Hartsy_37 Start: 35029, Stop: 35628, Start Num: 91

Candidate Starts for Hartsy_37:

(26, 34822), (27, 34825), (34, 34849), (44, 34891), (49, 34909), (53, 34924), (Start: 91 @35029 has 423 MA's), (103, 35059), (106, 35071), (117, 35110), (122, 35125), (135, 35179), (148, 35224), (150, 35230), (152, 35236), (154, 35242), (161, 35287), (162, 35290), (168, 35317), (191, 35377), (194, 35398), (212, 35461), (219, 35476),

Gene: Harvey_37 Start: 35004, Stop: 35603, Start Num: 91

Candidate Starts for Harvey_37:

(27, 34800), (34, 34824), (44, 34866), (49, 34884), (53, 34899), (Start: 91 @35004 has 423 MA's), (103, 35034), (106, 35046), (117, 35085), (122, 35100), (135, 35154), (148, 35199), (150, 35205), (152, 35211), (154, 35217), (161, 35262), (162, 35265), (168, 35292), (191, 35352), (194, 35373), (219, 35451),

Gene: Harvey_36 Start: 34357, Stop: 35007, Start Num: 84

Candidate Starts for Harvey_36:

(70, 34321), (Start: 84 @34357 has 90 MA's), (Start: 88 @34360 has 177 MA's), (Start: 115 @34441 has 1 MA's), (150, 34576), (168, 34663), (185, 34708), (200, 34786), (218, 34837), (225, 34864), (227, 34882), (243, 34960), (252, 34993), (256, 34999),

Gene: HarveySr_36 Start: 34263, Stop: 34916, Start Num: 85

Candidate Starts for HarveySr_36:

(Start: 85 @34263 has 45 MA's), (112, 34344), (149, 34491), (183, 34617), (190, 34632), (203, 34707), (244, 34872), (252, 34902),

Gene: HarveySr_37 Start: 34913, Stop: 35512, Start Num: 91

Candidate Starts for HarveySr_37:

(26, 34709), (Start: 91 @34913 has 423 MA's), (103, 34943), (112, 34970), (131, 35057), (135, 35063), (154, 35126), (158, 35150), (191, 35261), (212, 35345), (217, 35357), (230, 35417), (251, 35498),

Gene: Hashim76_39 Start: 33766, Stop: 34410, Start Num: 90

Candidate Starts for Hashim76_39:

(58, 33676), (63, 33700), (71, 33718), (75, 33724), (Start: 90 @33766 has 18 MA's), (119, 33859), (123, 33871), (141, 33946), (158, 34018), (161, 34039), (173, 34090), (195, 34171), (247, 34375), (254, 34399),

Gene: Hashim76_40 Start: 34407, Stop: 35015, Start Num: 91

Candidate Starts for Hashim76_40:

(3, 33951), (27, 34206), (34, 34230), (65, 34353), (Start: 91 @34407 has 423 MA's), (96, 34413), (103, 34437), (131, 34551), (135, 34557), (152, 34614), (194, 34776), (217, 34851), (221, 34863), (234, 34941), (246, 34983),

Gene: Heath_33 Start: 34780, Stop: 35385, Start Num: 91

Candidate Starts for Heath_33:

(Start: 91 @34780 has 423 MA's), (103, 34816), (117, 34867), (118, 34870), (131, 34930), (135, 34936), (148, 34981), (151, 34990), (152, 34993), (153, 34996), (158, 35023), (161, 35044), (168, 35074), (192, 35140), (194, 35155), (212, 35218), (227, 35275), (246, 35353), (251, 35371),

Gene: Heath_32 Start: 34136, Stop: 34783, Start Num: 67

Candidate Starts for Heath_32:

(Start: 67 @34136 has 25 MA's), (105, 34214), (108, 34226), (126, 34298), (143, 34343), (144, 34352), (145, 34355), (148, 34364), (149, 34367), (159, 34412), (177, 34484), (194, 34544), (199, 34556), (219, 34616), (225, 34640), (227, 34658), (246, 34745), (247, 34748), (254, 34772),

Gene: Heathcliff_36 Start: 34241, Stop: 34894, Start Num: 85

Candidate Starts for Heathcliff_36:

(Start: 85 @34241 has 45 MA's), (112, 34322), (117, 34346), (149, 34469), (183, 34595), (190, 34610), (203, 34685), (244, 34850), (245, 34853), (252, 34880),

Gene: Heathcliff_37 Start: 34891, Stop: 35490, Start Num: 91

Candidate Starts for Heathcliff_37:

(Start: 91 @34891 has 423 MA's), (103, 34921), (112, 34948), (131, 35035), (135, 35041), (154, 35104), (158, 35128), (161, 35149), (191, 35239), (212, 35323), (217, 35335), (230, 35395), (251, 35476),

Gene: Hedgerow_36 Start: 34789, Stop: 35433, Start Num: 86

Candidate Starts for Hedgerow_36:

(37, 34624), (61, 34735), (Start: 86 @34789 has 45 MA's), (Start: 89 @34798 has 1 MA's), (112, 34867), (118, 34894), (121, 34903), (124, 34912), (150, 35020), (154, 35032), (181, 35125), (195, 35191), (200, 35212), (205, 35227), (207, 35233), (214, 35254), (220, 35266), (254, 35422),

Gene: Hedgerow_38 Start: 35579, Stop: 36178, Start Num: 91

Candidate Starts for Hedgerow_38:

(82, 35558), (Start: 91 @35579 has 423 MA's), (103, 35609), (109, 35630), (117, 35660), (118, 35663), (135, 35729), (150, 35780), (151, 35783), (152, 35786), (158, 35816), (161, 35837), (184, 35903), (192, 35933), (217, 36023), (219, 36026), (223, 36044), (227, 36068), (243, 36137), (251, 36164),

Gene: Held_37 Start: 34693, Stop: 35292, Start Num: 91

Candidate Starts for Held_37:

(26, 34486), (27, 34489), (34, 34513), (44, 34555), (49, 34573), (53, 34588), (Start: 91 @34693 has 423 MA's), (103, 34723), (106, 34735), (117, 34774), (122, 34789), (135, 34843), (148, 34888), (150, 34894), (152, 34900), (154, 34906), (161, 34951), (162, 34954), (168, 34981), (191, 35041), (194, 35062), (219, 35140),

Gene: Held_36 Start: 34046, Stop: 34696, Start Num: 84

Candidate Starts for Held_36:

(70, 34010), (Start: 84 @34046 has 90 MA's), (Start: 88 @34049 has 177 MA's), (Start: 115 @34130 has 1 MA's), (150, 34265), (168, 34352), (185, 34397), (200, 34475), (218, 34526), (225, 34553), (227, 34571), (243, 34649), (252, 34682), (256, 34688),

Gene: HenryJackson_35 Start: 34065, Stop: 34712, Start Num: 88

Candidate Starts for HenryJackson_35:

(42, 33915), (70, 34026), (Start: 84 @34062 has 90 MA's), (Start: 88 @34065 has 177 MA's), (Start: 115 @34146 has 1 MA's), (150, 34281), (168, 34368), (185, 34413), (200, 34491), (218, 34542), (225, 34569), (227, 34587), (243, 34665), (252, 34698), (256, 34704),

Gene: HenryJackson_36 Start: 34709, Stop: 35308, Start Num: 91

Candidate Starts for HenryJackson_36:

(27, 34505), (34, 34529), (44, 34571), (49, 34589), (53, 34604), (Start: 91 @34709 has 423 MA's), (103, 34739), (106, 34751), (117, 34790), (122, 34805), (135, 34859), (148, 34904), (150, 34910), (152, 34916), (154, 34922), (161, 34967), (162, 34970), (168, 34997), (191, 35057), (194, 35078), (219, 35156),

Gene: Hertubise_36 Start: 34353, Stop: 35003, Start Num: 84

Candidate Starts for Hertubise_36:

(70, 34317), (Start: 84 @34353 has 90 MA's), (Start: 88 @34356 has 177 MA's), (Start: 115 @34437 has 1 MA's), (150, 34572), (168, 34659), (185, 34704), (200, 34782), (218, 34833), (225, 34860), (227,

34878), (243, 34956), (252, 34989), (256, 34995),

Gene: Hertubise_37 Start: 35000, Stop: 35599, Start Num: 91

Candidate Starts for Hertubise_37:

(27, 34796), (34, 34820), (44, 34862), (49, 34880), (53, 34895), (Start: 91 @35000 has 423 MA's), (103, 35030), (106, 35042), (117, 35081), (122, 35096), (135, 35150), (148, 35195), (150, 35201), (152, 35207), (154, 35213), (161, 35258), (162, 35261), (168, 35288), (191, 35348), (194, 35369), (219, 35447),

Gene: Hetaeria_36 Start: 34358, Stop: 35005, Start Num: 88

Candidate Starts for Hetaeria_36:

(70, 34319), (Start: 84 @34355 has 90 MA's), (Start: 88 @34358 has 177 MA's), (Start: 115 @34439 has 1 MA's), (150, 34574), (168, 34661), (185, 34706), (200, 34784), (218, 34835), (225, 34862), (227, 34880), (243, 34958), (252, 34991), (256, 34997),

Gene: Hetaeria_37 Start: 35002, Stop: 35601, Start Num: 91

Candidate Starts for Hetaeria_37:

(27, 34798), (34, 34822), (44, 34864), (49, 34882), (53, 34897), (Start: 91 @35002 has 423 MA's), (103, 35032), (106, 35044), (117, 35083), (122, 35098), (135, 35152), (148, 35197), (150, 35203), (152, 35209), (154, 35215), (161, 35260), (162, 35263), (168, 35290), (191, 35350), (194, 35371), (219, 35449),

Gene: HighStump_35 Start: 34048, Stop: 34695, Start Num: 88

Candidate Starts for HighStump_35:

(70, 34009), (Start: 84 @34045 has 90 MA's), (Start: 88 @34048 has 177 MA's), (Start: 115 @34129 has 1 MA's), (150, 34264), (168, 34351), (185, 34396), (200, 34474), (218, 34525), (225, 34552), (227, 34570), (243, 34648), (252, 34681), (256, 34687),

Gene: HighStump_36 Start: 34692, Stop: 35291, Start Num: 91

Candidate Starts for HighStump_36:

(27, 34488), (34, 34512), (44, 34554), (49, 34572), (53, 34587), (Start: 91 @34692 has 423 MA's), (103, 34722), (106, 34734), (117, 34773), (122, 34788), (135, 34842), (148, 34887), (150, 34893), (152, 34899), (154, 34905), (161, 34950), (162, 34953), (168, 34980), (191, 35040), (194, 35061), (219, 35139),

Gene: Hocus_36 Start: 34701, Stop: 35300, Start Num: 91

Candidate Starts for Hocus_36:

(26, 34494), (27, 34497), (34, 34521), (44, 34563), (49, 34581), (53, 34596), (Start: 91 @34701 has 423 MA's), (103, 34731), (106, 34743), (117, 34782), (122, 34797), (135, 34851), (148, 34896), (150, 34902), (152, 34908), (154, 34914), (161, 34959), (162, 34962), (168, 34989), (191, 35049), (194, 35070), (212, 35133), (219, 35148),

Gene: Hocus_35 Start: 34054, Stop: 34704, Start Num: 84

Candidate Starts for Hocus_35:

(70, 34018), (Start: 84 @34054 has 90 MA's), (Start: 88 @34057 has 177 MA's), (Start: 115 @34138 has 1 MA's), (150, 34273), (168, 34360), (185, 34405), (199, 34474), (200, 34483), (218, 34534), (227, 34579), (243, 34657), (252, 34690), (256, 34696),

Gene: Holeinone_38 Start: 35459, Stop: 36058, Start Num: 91

Candidate Starts for Holeinone_38:

(82, 35438), (Start: 91 @35459 has 423 MA's), (103, 35489), (109, 35510), (117, 35540), (118, 35543), (135, 35609), (150, 35660), (151, 35663), (152, 35666), (158, 35696), (161, 35717), (184, 35783), (192, 35813), (217, 35903), (219, 35906), (223, 35924), (227, 35948), (243, 36017), (251, 36044),

Gene: Holeinone_36 Start: 34669, Stop: 35313, Start Num: 86

Candidate Starts for Holeinone_36:

(37, 34504), (61, 34615), (Start: 86 @34669 has 45 MA's), (Start: 89 @34678 has 1 MA's), (112, 34747), (118, 34774), (121, 34783), (124, 34792), (146, 34888), (150, 34900), (154, 34912), (181, 35005), (195, 35071), (200, 35092), (205, 35107), (207, 35113), (214, 35134), (220, 35146), (254, 35302),

Gene: Horchata_37 Start: 34980, Stop: 35579, Start Num: 91

Candidate Starts for Horchata_37:

(27, 34776), (34, 34800), (44, 34842), (49, 34860), (53, 34875), (Start: 91 @34980 has 423 MA's), (103, 35010), (106, 35022), (117, 35061), (122, 35076), (135, 35130), (148, 35175), (150, 35181), (152, 35187), (154, 35193), (161, 35238), (162, 35241), (168, 35268), (191, 35328), (194, 35349), (219, 35427),

Gene: Horchata_36 Start: 34336, Stop: 34983, Start Num: 88

Candidate Starts for Horchata_36:

(42, 34186), (70, 34297), (Start: 84 @34333 has 90 MA's), (Start: 88 @34336 has 177 MA's), (Start: 115 @34417 has 1 MA's), (150, 34552), (168, 34639), (185, 34684), (200, 34762), (218, 34813), (225, 34840), (227, 34858), (243, 34936), (252, 34969), (256, 34975),

Gene: Hosp_029 Start: 30909, Stop: 31517, Start Num: 91

Candidate Starts for Hosp_029:

(13, 30555), (27, 30708), (34, 30732), (65, 30855), (Start: 91 @30909 has 423 MA's), (131, 31053), (135, 31059), (150, 31110), (153, 31119), (154, 31122), (161, 31167), (167, 31194), (182, 31230), (186, 31236), (191, 31257), (221, 31365), (236, 31443), (246, 31485), (251, 31503),

Gene: Hosp_028 Start: 30268, Stop: 30912, Start Num: 90

Candidate Starts for Hosp_028:

(Start: 90 @30268 has 18 MA's), (114, 30343), (118, 30355), (141, 30445), (153, 30490), (180, 30604), (185, 30616), (191, 30640), (193, 30658), (195, 30673), (208, 30721), (254, 30901),

Gene: Hydro_33 Start: 34546, Stop: 35193, Start Num: 67

Candidate Starts for Hydro_33:

(Start: 67 @34546 has 25 MA's), (105, 34624), (108, 34636), (126, 34708), (144, 34762), (145, 34765), (148, 34774), (159, 34822), (170, 34876), (177, 34894), (194, 34954), (199, 34966), (225, 35050), (227, 35068), (246, 35155), (247, 35158), (254, 35182),

Gene: Hydro_34 Start: 35190, Stop: 35795, Start Num: 91

Candidate Starts for Hydro_34:

(Start: 91 @35190 has 423 MA's), (103, 35226), (112, 35253), (117, 35277), (118, 35280), (131, 35340), (135, 35346), (148, 35391), (151, 35400), (152, 35403), (153, 35406), (158, 35433), (161, 35454), (168, 35484), (192, 35550), (194, 35565), (212, 35628), (227, 35685), (246, 35763), (251, 35781),

Gene: ImtiyazSitla_36 Start: 34543, Stop: 35142, Start Num: 91

Candidate Starts for ImtiyazSitla_36:

(26, 34336), (27, 34339), (34, 34363), (44, 34405), (49, 34423), (53, 34438), (Start: 91 @34543 has 423 MA's), (103, 34573), (106, 34585), (117, 34624), (122, 34639), (135, 34693), (148, 34738), (150, 34744), (152, 34750), (154, 34756), (161, 34801), (162, 34804), (168, 34831), (191, 34891), (194, 34912), (212, 34975), (219, 34990),

Gene: ImtiyazSitla_35 Start: 33899, Stop: 34546, Start Num: 88

Candidate Starts for ImtiyazSitla_35:

(70, 33860), (Start: 84 @33896 has 90 MA's), (Start: 88 @33899 has 177 MA's), (Start: 115 @33980 has 1 MA's), (150, 34115), (168, 34202), (185, 34247), (199, 34316), (200, 34325), (218, 34376), (227, 34421), (243, 34499), (252, 34532), (256, 34538),

Gene: Imvubu_29 Start: 31242, Stop: 31886, Start Num: 90

Candidate Starts for Imvubu_29:

(Start: 90 @31242 has 18 MA's), (119, 31332), (121, 31338), (141, 31419), (143, 31428), (146, 31443), (149, 31452), (150, 31455), (152, 31461), (185, 31590), (195, 31647), (227, 31761), (246, 31848), (254, 31875),

Gene: Imvubu_30 Start: 31883, Stop: 32482, Start Num: 91

Candidate Starts for Imvubu_30:

(65, 31829), (Start: 91 @31883 has 423 MA's), (96, 31889), (103, 31913), (106, 31925), (112, 31940), (131, 32027), (135, 32033), (156, 32114), (158, 32120), (161, 32141), (212, 32315), (217, 32327), (219, 32330), (227, 32372), (236, 32417), (237, 32420), (248, 32465), (251, 32471),

Gene: Inchworm_37 Start: 34978, Stop: 35577, Start Num: 91

Candidate Starts for Inchworm_37:

(27, 34774), (34, 34798), (44, 34840), (49, 34858), (53, 34873), (Start: 91 @34978 has 423 MA's), (103, 35008), (106, 35020), (117, 35059), (122, 35074), (135, 35128), (148, 35173), (150, 35179), (152, 35185), (154, 35191), (161, 35236), (162, 35239), (168, 35266), (191, 35326), (194, 35347), (212, 35410), (219, 35425),

Gene: Inchworm_36 Start: 34334, Stop: 34981, Start Num: 88

Candidate Starts for Inchworm_36:

(70, 34295), (Start: 84 @34331 has 90 MA's), (Start: 88 @34334 has 177 MA's), (Start: 115 @34415 has 1 MA's), (150, 34550), (168, 34637), (185, 34682), (200, 34760), (218, 34811), (225, 34838), (227, 34856), (243, 34934), (252, 34967), (256, 34973),

Gene: Indlovu_34 Start: 33760, Stop: 34392, Start Num: 99

Candidate Starts for Indlovu_34:

(81, 33715), (Start: 90 @33745 has 18 MA's), (Start: 99 @33760 has 2 MA's), (114, 33823), (117, 33832), (119, 33838), (122, 33847), (132, 33904), (150, 33961), (161, 34018), (195, 34153), (223, 34243), (245, 34351),

Gene: Indlovu_35 Start: 34389, Stop: 35000, Start Num: 91

Candidate Starts for Indlovu_35:

(74, 34353), (Start: 91 @34389 has 423 MA's), (103, 34419), (117, 34470), (131, 34533), (135, 34539), (152, 34596), (173, 34692), (182, 34710), (212, 34821), (219, 34836), (233, 34902), (251, 34983), (253, 34989),

Gene: Inverness_36 Start: 34348, Stop: 34995, Start Num: 88

Candidate Starts for Inverness_36:

(70, 34309), (Start: 84 @34345 has 90 MA's), (Start: 88 @34348 has 177 MA's), (Start: 115 @34429 has 1 MA's), (150, 34564), (168, 34651), (185, 34696), (200, 34774), (218, 34825), (225, 34852), (227, 34870), (243, 34948), (252, 34981), (256, 34987),

Gene: Inverness_37 Start: 34992, Stop: 35591, Start Num: 91

Candidate Starts for Inverness_37:

(26, 34785), (27, 34788), (34, 34812), (44, 34854), (49, 34872), (53, 34887), (Start: 91 @34992 has 423 MA's), (103, 35022), (106, 35034), (117, 35073), (122, 35088), (135, 35142), (148, 35187), (150, 35193), (152, 35199), (154, 35205), (161, 35250), (162, 35253), (168, 35280), (191, 35340), (194,

35361), (219, 35439),

Gene: Iridessa_37 Start: 34694, Stop: 35293, Start Num: 91

Candidate Starts for Iridessa_37:

(26, 34487), (27, 34490), (34, 34514), (44, 34556), (49, 34574), (53, 34589), (Start: 91 @34694 has 423 MA's), (103, 34724), (106, 34736), (117, 34775), (122, 34790), (135, 34844), (148, 34889), (150, 34895), (152, 34901), (154, 34907), (161, 34952), (162, 34955), (168, 34982), (191, 35042), (194, 35063), (212, 35126), (219, 35141),

Gene: Iridessa_36 Start: 34050, Stop: 34697, Start Num: 88

Candidate Starts for Iridessa_36:

(42, 33900), (70, 34011), (Start: 84 @34047 has 90 MA's), (Start: 88 @34050 has 177 MA's), (Start: 115 @34131 has 1 MA's), (150, 34266), (168, 34353), (185, 34398), (199, 34467), (200, 34476), (218, 34527), (227, 34572), (243, 34650), (252, 34683), (256, 34689),

Gene: Iridoclysis_37 Start: 34972, Stop: 35571, Start Num: 91

Candidate Starts for Iridoclysis_37:

(27, 34768), (34, 34792), (44, 34834), (49, 34852), (53, 34867), (Start: 91 @34972 has 423 MA's), (103, 35002), (106, 35014), (117, 35053), (122, 35068), (135, 35122), (148, 35167), (150, 35173), (152, 35179), (154, 35185), (161, 35230), (162, 35233), (168, 35260), (191, 35320), (194, 35341), (219, 35419),

Gene: Iridoclysis_36 Start: 34328, Stop: 34975, Start Num: 88

Candidate Starts for Iridoclysis_36:

(70, 34289), (Start: 84 @34325 has 90 MA's), (Start: 88 @34328 has 177 MA's), (Start: 115 @34409 has 1 MA's), (150, 34544), (168, 34631), (185, 34676), (200, 34754), (218, 34805), (225, 34832), (227, 34850), (243, 34928), (252, 34961), (256, 34967),

Gene: IsaacEli_37 Start: 34996, Stop: 35595, Start Num: 91

Candidate Starts for IsaacEli_37:

(27, 34792), (34, 34816), (44, 34858), (49, 34876), (53, 34891), (Start: 91 @34996 has 423 MA's), (103, 35026), (106, 35038), (117, 35077), (122, 35092), (135, 35146), (148, 35191), (150, 35197), (152, 35203), (154, 35209), (161, 35254), (162, 35257), (168, 35284), (191, 35344), (194, 35365), (219, 35443),

Gene: IsaacEli_36 Start: 34349, Stop: 34999, Start Num: 84

Candidate Starts for IsaacEli_36:

(70, 34313), (Start: 84 @34349 has 90 MA's), (Start: 88 @34352 has 177 MA's), (Start: 115 @34433 has 1 MA's), (150, 34568), (168, 34655), (185, 34700), (200, 34778), (218, 34829), (225, 34856), (227, 34874), (243, 34952), (252, 34985), (256, 34991),

Gene: ItsyBitsy1_38 Start: 35461, Stop: 36060, Start Num: 91

Candidate Starts for ItsyBitsy1_38:

(82, 35440), (Start: 91 @35461 has 423 MA's), (103, 35491), (109, 35512), (117, 35542), (118, 35545), (135, 35611), (150, 35662), (151, 35665), (152, 35668), (158, 35698), (161, 35719), (184, 35785), (192, 35815), (217, 35905), (219, 35908), (223, 35926), (227, 35950), (243, 36019), (251, 36046),

Gene: ItsyBitsy1_36 Start: 34671, Stop: 35315, Start Num: 86

Candidate Starts for ItsyBitsy1_36:

(37, 34506), (61, 34617), (Start: 86 @34671 has 45 MA's), (Start: 89 @34680 has 1 MA's), (112, 34749), (118, 34776), (121, 34785), (124, 34794), (150, 34902), (154, 34914), (181, 35007), (195, 35073), (200, 35094), (205, 35109), (207, 35115), (214, 35136), (220, 35148), (254, 35304),

Gene: JAMaL_33 Start: 34717, Stop: 35364, Start Num: 67

Candidate Starts for JAMaL_33:

(Start: 67 @34717 has 25 MA's), (105, 34795), (108, 34807), (126, 34879), (137, 34903), (143, 34924), (144, 34933), (145, 34936), (148, 34945), (149, 34948), (159, 34993), (170, 35047), (177, 35065), (194, 35125), (199, 35137), (219, 35197), (223, 35215), (225, 35221), (227, 35239), (246, 35326), (254, 35353),

Gene: JAMaL_34 Start: 35361, Stop: 35966, Start Num: 91

Candidate Starts for JAMaL_34:

(Start: 91 @35361 has 423 MA's), (103, 35397), (112, 35424), (117, 35448), (118, 35451), (131, 35511), (135, 35517), (148, 35562), (151, 35571), (152, 35574), (153, 35577), (158, 35604), (161, 35625), (168, 35655), (192, 35721), (194, 35736), (227, 35856), (246, 35934), (251, 35952),

Gene: JDog_36 Start: 34709, Stop: 35308, Start Num: 91

Candidate Starts for JDog_36:

(26, 34502), (27, 34505), (34, 34529), (44, 34571), (49, 34589), (53, 34604), (Start: 91 @34709 has 423 MA's), (103, 34739), (106, 34751), (117, 34790), (122, 34805), (135, 34859), (148, 34904), (150, 34910), (152, 34916), (154, 34922), (161, 34967), (162, 34970), (168, 34997), (191, 35057), (194, 35078), (212, 35141), (219, 35156),

Gene: JDog_35 Start: 34065, Stop: 34712, Start Num: 88

Candidate Starts for JDog_35:

(70, 34026), (Start: 84 @34062 has 90 MA's), (Start: 88 @34065 has 177 MA's), (Start: 115 @34146 has 1 MA's), (150, 34281), (168, 34368), (185, 34413), (199, 34482), (200, 34491), (218, 34542), (227, 34587), (243, 34665), (252, 34698), (256, 34704),

Gene: JacAttac_37 Start: 34978, Stop: 35577, Start Num: 91

Candidate Starts for JacAttac_37:

(27, 34774), (34, 34798), (44, 34840), (49, 34858), (53, 34873), (Start: 91 @34978 has 423 MA's), (103, 35008), (106, 35020), (117, 35059), (122, 35074), (135, 35128), (148, 35173), (150, 35179), (152, 35185), (154, 35191), (161, 35236), (162, 35239), (168, 35266), (191, 35326), (194, 35347), (219, 35425),

Gene: JacAttac_36 Start: 34331, Stop: 34981, Start Num: 84

Candidate Starts for JacAttac_36:

(70, 34295), (Start: 84 @34331 has 90 MA's), (Start: 88 @34334 has 177 MA's), (Start: 115 @34415 has 1 MA's), (150, 34550), (168, 34637), (185, 34682), (200, 34760), (218, 34811), (225, 34838), (227, 34856), (243, 34934), (252, 34967), (256, 34973),

Gene: Jackstina_34 Start: 34850, Stop: 35449, Start Num: 91

Candidate Starts for Jackstina_34:

(Start: 91 @34850 has 423 MA's), (103, 34880), (112, 34907), (131, 34994), (135, 35000), (154, 35063), (158, 35087), (161, 35108), (191, 35198), (212, 35282), (217, 35294), (230, 35354), (245, 35414), (251, 35435),

Gene: Jackstina_33 Start: 34200, Stop: 34853, Start Num: 85

Candidate Starts for Jackstina_33:

(Start: 85 @34200 has 45 MA's), (112, 34281), (117, 34305), (149, 34428), (183, 34554), (190, 34569), (203, 34644), (244, 34809), (252, 34839),

Gene: JaguarMi_33 Start: 34011, Stop: 34658, Start Num: 67

Candidate Starts for JaguarMi_33:

(Start: 67 @34011 has 25 MA's), (105, 34089), (108, 34101), (126, 34173), (143, 34218), (144, 34227), (145, 34230), (148, 34239), (159, 34287), (177, 34359), (194, 34419), (199, 34431), (219, 34491), (225, 34515), (227, 34533), (246, 34620), (254, 34647),

Gene: JaguarMi_34 Start: 34655, Stop: 35260, Start Num: 91

Candidate Starts for JaguarMi_34:

(Start: 91 @34655 has 423 MA's), (103, 34691), (106, 34703), (112, 34718), (117, 34742), (118, 34745), (135, 34811), (148, 34856), (151, 34865), (152, 34868), (153, 34871), (154, 34874), (158, 34898), (161, 34919), (168, 34949), (191, 35009), (194, 35030), (212, 35093), (217, 35105), (227, 35150), (246, 35228), (251, 35246),

Gene: JakeO_36 Start: 34711, Stop: 35310, Start Num: 91

Candidate Starts for JakeO_36:

(26, 34504), (27, 34507), (34, 34531), (44, 34573), (49, 34591), (53, 34606), (Start: 91 @34711 has 423 MA's), (103, 34741), (106, 34753), (117, 34792), (122, 34807), (135, 34861), (148, 34906), (150, 34912), (152, 34918), (154, 34924), (161, 34969), (162, 34972), (168, 34999), (191, 35059), (194, 35080), (212, 35143), (219, 35158),

Gene: JakeO_35 Start: 34064, Stop: 34714, Start Num: 84

Candidate Starts for JakeO_35:

(42, 33917), (70, 34028), (Start: 84 @34064 has 90 MA's), (Start: 88 @34067 has 177 MA's), (Start: 115 @34148 has 1 MA's), (150, 34283), (168, 34370), (185, 34415), (200, 34493), (218, 34544), (225, 34571), (227, 34589), (243, 34667), (252, 34700), (256, 34706),

Gene: JangoPhett_36 Start: 34333, Stop: 34983, Start Num: 84

Candidate Starts for JangoPhett_36:

(42, 34186), (70, 34297), (Start: 84 @34333 has 90 MA's), (Start: 88 @34336 has 177 MA's), (Start: 115 @34417 has 1 MA's), (150, 34552), (168, 34639), (185, 34684), (200, 34762), (218, 34813), (225, 34840), (227, 34858), (243, 34936), (252, 34969), (256, 34975),

Gene: JangoPhett_37 Start: 34980, Stop: 35579, Start Num: 91

Candidate Starts for JangoPhett_37:

(27, 34776), (34, 34800), (44, 34842), (49, 34860), (53, 34875), (Start: 91 @34980 has 423 MA's), (103, 35010), (106, 35022), (117, 35061), (122, 35076), (135, 35130), (148, 35175), (150, 35181), (152, 35187), (154, 35193), (161, 35238), (162, 35241), (168, 35268), (191, 35328), (194, 35349), (219, 35427),

Gene: Jeon_30 Start: 32737, Stop: 33336, Start Num: 91

Candidate Starts for Jeon_30:

(Start: 91 @32737 has 423 MA's), (103, 32767), (109, 32788), (112, 32794), (131, 32881), (135, 32887), (150, 32938), (154, 32950), (158, 32974), (161, 32995), (165, 33013), (171, 33031), (182, 33058), (225, 33208), (227, 33226), (245, 33301), (251, 33322),

Gene: Jeon_28 Start: 31943, Stop: 32587, Start Num: 86

Candidate Starts for Jeon_28:

(Start: 86 @31943 has 45 MA's), (93, 31961), (103, 31994), (111, 32018), (121, 32057), (124, 32066), (136, 32123), (150, 32174), (152, 32180), (154, 32186), (169, 32261), (185, 32288), (195, 32345), (207, 32387), (227, 32462), (242, 32534),

Gene: Jesabah_36 Start: 34067, Stop: 34714, Start Num: 88

Candidate Starts for Jesabah_36:

(70, 34028), (Start: 84 @34064 has 90 MA's), (Start: 88 @34067 has 177 MA's), (Start: 115 @34148 has 1 MA's), (150, 34283), (168, 34370), (185, 34415), (200, 34493), (218, 34544), (225, 34571), (227,

34589), (243, 34667), (252, 34700), (256, 34706),

Gene: Jesabah_37 Start: 34711, Stop: 35310, Start Num: 91

Candidate Starts for Jesabah_37:

(27, 34507), (34, 34531), (44, 34573), (49, 34591), (53, 34606), (Start: 91 @34711 has 423 MA's), (103, 34741), (106, 34753), (117, 34792), (122, 34807), (135, 34861), (148, 34906), (150, 34912), (152, 34918), (154, 34924), (161, 34969), (162, 34972), (168, 34999), (191, 35059), (194, 35080), (219, 35158),

Gene: Jillium_35 Start: 34055, Stop: 34705, Start Num: 84

Candidate Starts for Jillium_35:

(42, 33908), (70, 34019), (Start: 84 @34055 has 90 MA's), (Start: 88 @34058 has 177 MA's), (Start: 115 @34139 has 1 MA's), (150, 34274), (168, 34361), (185, 34406), (200, 34484), (218, 34535), (225, 34562), (227, 34580), (243, 34658), (252, 34691), (256, 34697),

Gene: Jillium_36 Start: 34702, Stop: 35301, Start Num: 91

Candidate Starts for Jillium_36:

(27, 34498), (34, 34522), (44, 34564), (49, 34582), (53, 34597), (Start: 91 @34702 has 423 MA's), (103, 34732), (106, 34744), (117, 34783), (122, 34798), (135, 34852), (148, 34897), (150, 34903), (152, 34909), (154, 34915), (161, 34960), (162, 34963), (168, 34990), (191, 35050), (194, 35071), (219, 35149),

Gene: Jiminy_36 Start: 34546, Stop: 35145, Start Num: 91

Candidate Starts for Jiminy_36:

(26, 34339), (27, 34342), (34, 34366), (44, 34408), (49, 34426), (53, 34441), (Start: 91 @34546 has 423 MA's), (103, 34576), (106, 34588), (117, 34627), (122, 34642), (135, 34696), (148, 34741), (150, 34747), (152, 34753), (154, 34759), (161, 34804), (162, 34807), (168, 34834), (191, 34894), (194, 34915), (212, 34978), (219, 34993),

Gene: Jiminy_35 Start: 33902, Stop: 34549, Start Num: 88

Candidate Starts for Jiminy_35:

(70, 33863), (Start: 84 @33899 has 90 MA's), (Start: 88 @33902 has 177 MA's), (Start: 115 @33983 has 1 MA's), (150, 34118), (168, 34205), (185, 34250), (199, 34319), (200, 34328), (218, 34379), (227, 34424), (243, 34502), (252, 34535), (256, 34541),

Gene: Jiraiya_36 Start: 34699, Stop: 35298, Start Num: 91

Candidate Starts for Jiraiya_36:

(26, 34492), (27, 34495), (34, 34519), (44, 34561), (49, 34579), (53, 34594), (Start: 91 @34699 has 423 MA's), (103, 34729), (106, 34741), (117, 34780), (122, 34795), (135, 34849), (148, 34894), (150, 34900), (152, 34906), (154, 34912), (161, 34957), (162, 34960), (168, 34987), (191, 35047), (194, 35068), (212, 35131), (219, 35146),

Gene: Jiraiya_35 Start: 34055, Stop: 34702, Start Num: 88

Candidate Starts for Jiraiya_35:

(70, 34016), (Start: 84 @34052 has 90 MA's), (Start: 88 @34055 has 177 MA's), (Start: 115 @34136 has 1 MA's), (150, 34271), (168, 34358), (185, 34403), (199, 34472), (200, 34481), (218, 34532), (227, 34577), (243, 34655), (252, 34688), (256, 34694),

Gene: Jolie1_030 Start: 32055, Stop: 32699, Start Num: 90

Candidate Starts for Jolie1_030:

(Start: 90 @32055 has 18 MA's), (114, 32130), (118, 32142), (141, 32232), (153, 32277), (180, 32391), (185, 32403), (193, 32445), (195, 32460), (208, 32508), (254, 32688),

Gene: Jolie1_031 Start: 32696, Stop: 33304, Start Num: 91

Candidate Starts for Jolie1_031:

(13, 32342), (27, 32495), (34, 32519), (65, 32642), (Start: 91 @32696 has 423 MA's), (131, 32840), (135, 32846), (150, 32897), (153, 32906), (154, 32909), (161, 32954), (167, 32981), (182, 33017), (186, 33023), (191, 33044), (221, 33152), (236, 33230), (246, 33272), (251, 33290),

Gene: Jollymon_61 Start: 39166, Stop: 39789, Start Num: 92

Candidate Starts for Jollymon_61:

(Start: 92 @39166 has 5 MA's), (150, 39379), (152, 39385), (156, 39412), (231, 39688), (248, 39757), (249, 39763), (256, 39781),

Gene: KLucky39_37 Start: 34990, Stop: 35589, Start Num: 91

Candidate Starts for KLucky39_37:

(27, 34786), (34, 34810), (44, 34852), (49, 34870), (53, 34885), (Start: 91 @34990 has 423 MA's), (103, 35020), (106, 35032), (117, 35071), (122, 35086), (135, 35140), (148, 35185), (150, 35191), (152, 35197), (154, 35203), (161, 35248), (162, 35251), (168, 35278), (191, 35338), (194, 35359), (219, 35437),

Gene: KLucky39_36 Start: 34343, Stop: 34993, Start Num: 84

Candidate Starts for KLucky39_36:

(42, 34196), (70, 34307), (Start: 84 @34343 has 90 MA's), (Start: 88 @34346 has 177 MA's), (Start: 115 @34427 has 1 MA's), (150, 34562), (168, 34649), (185, 34694), (200, 34772), (218, 34823), (225, 34850), (227, 34868), (243, 34946), (252, 34979), (256, 34985),

Gene: Kahve_36 Start: 34706, Stop: 35305, Start Num: 91

Candidate Starts for Kahve_36:

(27, 34502), (34, 34526), (44, 34568), (49, 34586), (53, 34601), (Start: 91 @34706 has 423 MA's), (103, 34736), (106, 34748), (117, 34787), (122, 34802), (135, 34856), (148, 34901), (150, 34907), (152, 34913), (154, 34919), (161, 34964), (162, 34967), (168, 34994), (191, 35054), (194, 35075), (219, 35153),

Gene: Kahve_35 Start: 34062, Stop: 34709, Start Num: 88

Candidate Starts for Kahve_35:

(42, 33912), (70, 34023), (Start: 84 @34059 has 90 MA's), (Start: 88 @34062 has 177 MA's), (Start: 115 @34143 has 1 MA's), (150, 34278), (168, 34365), (185, 34410), (200, 34488), (218, 34539), (225, 34566), (227, 34584), (243, 34662), (252, 34695), (256, 34701),

Gene: Kailash_36 Start: 34397, Stop: 35047, Start Num: 84

Candidate Starts for Kailash_36:

(70, 34361), (Start: 84 @34397 has 90 MA's), (Start: 88 @34400 has 177 MA's), (Start: 115 @34481 has 1 MA's), (150, 34616), (168, 34703), (185, 34748), (199, 34817), (200, 34826), (218, 34877), (227, 34922), (243, 35000), (252, 35033), (256, 35039),

Gene: Kailash_37 Start: 35044, Stop: 35643, Start Num: 91

Candidate Starts for Kailash_37:

(26, 34837), (27, 34840), (34, 34864), (44, 34906), (49, 34924), (53, 34939), (Start: 91 @35044 has 423 MA's), (103, 35074), (106, 35086), (117, 35125), (122, 35140), (135, 35194), (148, 35239), (150, 35245), (152, 35251), (154, 35257), (161, 35302), (162, 35305), (168, 35332), (191, 35392), (194, 35413), (212, 35476), (219, 35491),

Gene: Kaleb_36 Start: 34804, Stop: 35448, Start Num: 86

Candidate Starts for Kaleb_36:

(37, 34639), (61, 34750), (Start: 86 @34804 has 45 MA's), (Start: 89 @34813 has 1 MA's), (112, 34882), (118, 34909), (121, 34918), (124, 34927), (150, 35035), (154, 35047), (181, 35140), (195, 35206), (200, 35227), (205, 35242), (207, 35248), (214, 35269), (220, 35281), (254, 35437),

Gene: Kaleb_38 Start: 35594, Stop: 36193, Start Num: 91

Candidate Starts for Kaleb_38:

(82, 35573), (Start: 91 @35594 has 423 MA's), (103, 35624), (109, 35645), (117, 35675), (118, 35678), (135, 35744), (150, 35795), (151, 35798), (152, 35801), (158, 35831), (161, 35852), (184, 35918), (192, 35948), (217, 36038), (219, 36041), (223, 36059), (227, 36083), (243, 36152), (251, 36179),

Gene: Kamiyu_36 Start: 34249, Stop: 34902, Start Num: 85

Candidate Starts for Kamiyu_36:

(Start: 85 @34249 has 45 MA's), (112, 34330), (149, 34477), (183, 34603), (190, 34618), (203, 34693), (244, 34858), (252, 34888),

Gene: Kamiyu_37 Start: 34899, Stop: 35498, Start Num: 91

Candidate Starts for Kamiyu_37:

(26, 34695), (Start: 91 @34899 has 423 MA's), (103, 34929), (112, 34956), (131, 35043), (135, 35049), (154, 35112), (158, 35136), (191, 35247), (212, 35331), (217, 35343), (230, 35403), (251, 35484),

Gene: KarasumaRum_37 Start: 35147, Stop: 35740, Start Num: 103

Candidate Starts for KarasumaRum_37:

(Start: 90 @35111 has 18 MA's), (103, 35147), (114, 35189), (118, 35201), (149, 35327), (152, 35336), (154, 35342), (161, 35387), (181, 35435), (183, 35441), (227, 35615), (254, 35729),

Gene: KarasumaRum_38 Start: 35737, Stop: 36345, Start Num: 91

Candidate Starts for KarasumaRum_38:

(Start: 91 @35737 has 423 MA's), (103, 35767), (117, 35818), (131, 35881), (135, 35887), (150, 35938), (152, 35944), (154, 35950), (162, 35998), (210, 36163), (212, 36169), (236, 36271), (246, 36313), (251, 36331),

Gene: Katniss_36 Start: 34361, Stop: 35008, Start Num: 88

Candidate Starts for Katniss_36:

(70, 34322), (Start: 84 @34358 has 90 MA's), (Start: 88 @34361 has 177 MA's), (Start: 115 @34442 has 1 MA's), (150, 34577), (168, 34664), (185, 34709), (200, 34787), (218, 34838), (225, 34865), (227, 34883), (243, 34961), (252, 34994), (256, 35000),

Gene: Katniss_37 Start: 35005, Stop: 35604, Start Num: 91

Candidate Starts for Katniss_37:

(27, 34801), (34, 34825), (44, 34867), (49, 34885), (53, 34900), (Start: 91 @35005 has 423 MA's), (103, 35035), (106, 35047), (117, 35086), (122, 35101), (135, 35155), (148, 35200), (150, 35206), (152, 35212), (154, 35218), (161, 35263), (162, 35266), (168, 35293), (191, 35353), (194, 35374), (219, 35452),

Gene: KayaCho_30 Start: 32051, Stop: 32695, Start Num: 90

Candidate Starts for KayaCho_30:

(Start: 90 @32051 has 18 MA's), (114, 32126), (118, 32138), (140, 32225), (141, 32228), (153, 32273), (180, 32387), (185, 32399), (191, 32423), (193, 32441), (195, 32456), (208, 32504), (254, 32684),

Gene: KayaCho_31 Start: 32692, Stop: 33300, Start Num: 91

Candidate Starts for KayaCho_31:

(13, 32338), (27, 32491), (34, 32515), (65, 32638), (Start: 91 @32692 has 423 MA's), (131, 32836), (135, 32842), (150, 32893), (152, 32899), (153, 32902), (161, 32950), (167, 32977), (182, 33013),

(191, 33040), (210, 33118), (217, 33136), (221, 33148), (236, 33226), (246, 33268), (251, 33286),

Gene: Keitherie_37 Start: 35043, Stop: 35642, Start Num: 91

Candidate Starts for Keitherie_37:

(27, 34839), (34, 34863), (44, 34905), (49, 34923), (53, 34938), (Start: 91 @35043 has 423 MA's), (103, 35073), (106, 35085), (117, 35124), (122, 35139), (135, 35193), (148, 35238), (150, 35244), (152, 35250), (154, 35256), (161, 35301), (162, 35304), (168, 35331), (194, 35412), (212, 35475), (219, 35490),

Gene: Keitherie_36 Start: 34396, Stop: 35046, Start Num: 84

Candidate Starts for Keitherie_36:

(42, 34249), (70, 34360), (Start: 84 @34396 has 90 MA's), (Start: 88 @34399 has 177 MA's), (Start: 115 @34480 has 1 MA's), (150, 34615), (168, 34702), (185, 34747), (200, 34825), (218, 34876), (225, 34903), (227, 34921), (243, 34999), (252, 35032), (256, 35038),

Gene: Khan1_37 Start: 34727, Stop: 35326, Start Num: 91

Candidate Starts for Khan1_37:

(26, 34520), (27, 34523), (34, 34547), (44, 34589), (49, 34607), (53, 34622), (Start: 91 @34727 has 423 MA's), (103, 34757), (106, 34769), (117, 34808), (122, 34823), (135, 34877), (148, 34922), (150, 34928), (152, 34934), (154, 34940), (161, 34985), (162, 34988), (168, 35015), (191, 35075), (194, 35096), (212, 35159), (219, 35174),

Gene: Khan1_36 Start: 34083, Stop: 34730, Start Num: 88

Candidate Starts for Khan1_36:

(70, 34044), (Start: 84 @34080 has 90 MA's), (Start: 88 @34083 has 177 MA's), (Start: 115 @34164 has 1 MA's), (150, 34299), (168, 34386), (185, 34431), (199, 34500), (200, 34509), (218, 34560), (227, 34605), (243, 34683), (252, 34716), (256, 34722),

Gene: Kheth_36 Start: 34692, Stop: 35336, Start Num: 86

Candidate Starts for Kheth_36:

(37, 34527), (61, 34638), (Start: 86 @34692 has 45 MA's), (Start: 89 @34701 has 1 MA's), (112, 34770), (118, 34797), (121, 34806), (124, 34815), (150, 34923), (154, 34935), (181, 35028), (195, 35094), (200, 35115), (205, 35130), (207, 35136), (214, 35157), (220, 35169), (254, 35325),

Gene: Kheth_38 Start: 35482, Stop: 36081, Start Num: 91

Candidate Starts for Kheth_38:

(82, 35461), (Start: 91 @35482 has 423 MA's), (103, 35512), (109, 35533), (117, 35563), (118, 35566), (135, 35632), (150, 35683), (151, 35686), (152, 35689), (158, 35719), (161, 35740), (184, 35806), (192, 35836), (217, 35926), (219, 35929), (223, 35947), (227, 35971), (243, 36040), (251, 36067),

Gene: Kikipoo_37 Start: 34996, Stop: 35595, Start Num: 91

Candidate Starts for Kikipoo_37:

(27, 34792), (34, 34816), (44, 34858), (49, 34876), (53, 34891), (Start: 91 @34996 has 423 MA's), (103, 35026), (106, 35038), (117, 35077), (122, 35092), (135, 35146), (148, 35191), (150, 35197), (152, 35203), (154, 35209), (161, 35254), (162, 35257), (168, 35284), (191, 35344), (194, 35365), (219, 35443),

Gene: Kikipoo_36 Start: 34349, Stop: 34999, Start Num: 84

Candidate Starts for Kikipoo_36:

(70, 34313), (Start: 84 @34349 has 90 MA's), (Start: 88 @34352 has 177 MA's), (Start: 115 @34433 has 1 MA's), (150, 34568), (168, 34655), (185, 34700), (200, 34778), (218, 34829), (225, 34856), (227, 34874), (243, 34952), (252, 34985), (256, 34991),

Gene: Kimbrough_37 Start: 34698, Stop: 35297, Start Num: 91

Candidate Starts for Kimbrough_37:

(27, 34494), (34, 34518), (44, 34560), (49, 34578), (53, 34593), (Start: 91 @34698 has 423 MA's), (103, 34728), (106, 34740), (117, 34779), (122, 34794), (135, 34848), (148, 34893), (150, 34899), (152, 34905), (154, 34911), (161, 34956), (162, 34959), (168, 34986), (191, 35046), (194, 35067), (219, 35145),

Gene: Kimbrough_36 Start: 34054, Stop: 34701, Start Num: 88

Candidate Starts for Kimbrough_36:

(70, 34015), (Start: 84 @34051 has 90 MA's), (Start: 88 @34054 has 177 MA's), (Start: 115 @34135 has 1 MA's), (150, 34270), (168, 34357), (185, 34402), (200, 34480), (218, 34531), (225, 34558), (227, 34576), (243, 34654), (252, 34687), (256, 34693),

Gene: KingTut_28 Start: 30367, Stop: 30966, Start Num: 91

Candidate Starts for KingTut_28:

(27, 30163), (34, 30187), (44, 30229), (49, 30247), (53, 30262), (Start: 91 @30367 has 423 MA's), (103, 30397), (106, 30409), (117, 30448), (122, 30463), (135, 30517), (148, 30562), (150, 30568), (152, 30574), (154, 30580), (161, 30625), (162, 30628), (168, 30655), (191, 30715), (194, 30736), (219, 30814),

Gene: KingTut_27 Start: 29723, Stop: 30370, Start Num: 88

Candidate Starts for KingTut_27:

(42, 29573), (70, 29684), (Start: 84 @29720 has 90 MA's), (Start: 88 @29723 has 177 MA's), (Start: 115 @29804 has 1 MA's), (150, 29939), (168, 30026), (185, 30071), (200, 30149), (218, 30200), (225, 30227), (227, 30245), (243, 30323), (252, 30356), (256, 30362),

Gene: KingVeVeVe_36 Start: 34324, Stop: 34974, Start Num: 84

Candidate Starts for KingVeVeVe_36:

(70, 34288), (Start: 84 @34324 has 90 MA's), (Start: 88 @34327 has 177 MA's), (Start: 115 @34408 has 1 MA's), (150, 34543), (168, 34630), (185, 34675), (200, 34753), (218, 34804), (225, 34831), (227, 34849), (243, 34927), (252, 34960), (256, 34966),

Gene: KingVeVeVe_37 Start: 34971, Stop: 35570, Start Num: 91

Candidate Starts for KingVeVeVe_37:

(27, 34767), (34, 34791), (44, 34833), (49, 34851), (53, 34866), (Start: 91 @34971 has 423 MA's), (103, 35001), (106, 35013), (117, 35052), (122, 35067), (135, 35121), (148, 35166), (150, 35172), (152, 35178), (154, 35184), (161, 35229), (162, 35232), (168, 35259), (191, 35319), (194, 35340), (219, 35418),

Gene: KingstonB_62 Start: 38645, Stop: 39268, Start Num: 92

Candidate Starts for KingstonB_62:

(Start: 92 @38645 has 5 MA's), (150, 38858), (152, 38864), (156, 38891), (231, 39167), (248, 39236), (249, 39242), (256, 39260),

Gene: KlimbOn_36 Start: 34340, Stop: 34987, Start Num: 88

Candidate Starts for KlimbOn_36:

(42, 34190), (70, 34301), (Start: 84 @34337 has 90 MA's), (Start: 88 @34340 has 177 MA's), (Start: 115 @34421 has 1 MA's), (150, 34556), (168, 34643), (185, 34688), (200, 34766), (218, 34817), (225, 34844), (227, 34862), (243, 34940), (252, 34973), (256, 34979),

Gene: KlimbOn_37 Start: 34984, Stop: 35583, Start Num: 91

Candidate Starts for KlimbOn_37:

(27, 34780), (34, 34804), (44, 34846), (49, 34864), (53, 34879), (Start: 91 @34984 has 423 MA's), (103, 35014), (106, 35026), (117, 35065), (122, 35080), (135, 35134), (148, 35179), (150, 35185), (152, 35191), (154, 35197), (161, 35242), (162, 35245), (168, 35272), (191, 35332), (194, 35353), (219, 35431),

Gene: Kloppinator_37 Start: 35007, Stop: 35606, Start Num: 91

Candidate Starts for Kloppinator_37:

(27, 34803), (34, 34827), (44, 34869), (49, 34887), (53, 34902), (Start: 91 @35007 has 423 MA's), (103, 35037), (106, 35049), (117, 35088), (122, 35103), (135, 35157), (148, 35202), (150, 35208), (152, 35214), (154, 35220), (161, 35265), (162, 35268), (168, 35295), (191, 35355), (194, 35376), (219, 35454),

Gene: Kloppinator_36 Start: 34363, Stop: 35010, Start Num: 88

Candidate Starts for Kloppinator_36:

(42, 34213), (70, 34324), (Start: 84 @34360 has 90 MA's), (Start: 88 @34363 has 177 MA's), (Start: 115 @34444 has 1 MA's), (150, 34579), (168, 34666), (185, 34711), (200, 34789), (218, 34840), (225, 34867), (227, 34885), (243, 34963), (252, 34996), (256, 35002),

Gene: Klocker_38 Start: 36842, Stop: 37450, Start Num: 91

Candidate Starts for Klocker_38:

(65, 36788), (Start: 91 @36842 has 423 MA's), (103, 36875), (118, 36929), (131, 36989), (135, 36995), (141, 37010), (150, 37046), (152, 37052), (153, 37055), (156, 37076), (158, 37082), (193, 37211), (219, 37292), (227, 37334), (236, 37379), (245, 37418), (248, 37427), (251, 37439),

Gene: Klocker_37 Start: 36198, Stop: 36845, Start Num: 90

Candidate Starts for Klocker_37:

(Start: 90 @36198 has 18 MA's), (114, 36273), (119, 36291), (121, 36297), (134, 36360), (141, 36378), (146, 36402), (150, 36414), (152, 36420), (183, 36546), (185, 36549), (227, 36720), (247, 36810), (254, 36834),

Gene: Kolhan_36 Start: 34683, Stop: 35327, Start Num: 86

Candidate Starts for Kolhan_36:

(37, 34518), (61, 34629), (Start: 86 @34683 has 45 MA's), (Start: 89 @34692 has 1 MA's), (112, 34761), (118, 34788), (121, 34797), (150, 34914), (154, 34926), (181, 35019), (195, 35085), (200, 35106), (205, 35121), (207, 35127), (214, 35148), (220, 35160), (254, 35316),

Gene: Kolhan_38 Start: 35473, Stop: 36072, Start Num: 91

Candidate Starts for Kolhan_38:

(82, 35452), (Start: 91 @35473 has 423 MA's), (103, 35503), (109, 35524), (117, 35554), (118, 35557), (135, 35623), (150, 35674), (151, 35677), (152, 35680), (158, 35710), (161, 35731), (184, 35797), (192, 35827), (217, 35917), (219, 35920), (223, 35938), (227, 35962), (243, 36031), (251, 36058),

Gene: Kronus_36 Start: 35509, Stop: 36108, Start Num: 91

Candidate Starts for Kronus_36:

(Start: 91 @35509 has 423 MA's), (103, 35539), (112, 35566), (131, 35653), (135, 35659), (154, 35722), (158, 35746), (161, 35767), (191, 35857), (212, 35941), (217, 35953), (230, 36013), (245, 36073), (251, 36094),

Gene: Kronus_35 Start: 34859, Stop: 35512, Start Num: 85

Candidate Starts for Kronus_35:

(Start: 85 @34859 has 45 MA's), (112, 34940), (117, 34964), (149, 35087), (183, 35213), (190, 35228), (203, 35303), (244, 35468), (252, 35498),

Gene: Kwadwo_35 Start: 34041, Stop: 34691, Start Num: 84

Candidate Starts for Kwadwo_35:

(70, 34005), (Start: 84 @34041 has 90 MA's), (Start: 88 @34044 has 177 MA's), (Start: 115 @34125 has 1 MA's), (150, 34260), (168, 34347), (185, 34392), (200, 34470), (218, 34521), (225, 34548), (227, 34566), (243, 34644), (252, 34677), (256, 34683),

Gene: Kwadwo_36 Start: 34688, Stop: 35287, Start Num: 91

Candidate Starts for Kwadwo_36:

(27, 34484), (34, 34508), (44, 34550), (49, 34568), (53, 34583), (Start: 91 @34688 has 423 MA's), (103, 34718), (106, 34730), (117, 34769), (122, 34784), (135, 34838), (148, 34883), (150, 34889), (152, 34895), (154, 34901), (161, 34946), (162, 34949), (168, 34976), (191, 35036), (194, 35057), (219, 35135),

Gene: Kwksand96_36 Start: 34557, Stop: 35156, Start Num: 91

Candidate Starts for Kwksand96_36:

(26, 34350), (27, 34353), (34, 34377), (44, 34419), (49, 34437), (53, 34452), (Start: 91 @34557 has 423 MA's), (103, 34587), (106, 34599), (117, 34638), (122, 34653), (135, 34707), (148, 34752), (150, 34758), (152, 34764), (154, 34770), (161, 34815), (162, 34818), (168, 34845), (191, 34905), (194, 34926), (212, 34989), (219, 35004),

Gene: Kwksand96_35 Start: 33913, Stop: 34560, Start Num: 88

Candidate Starts for Kwksand96_35:

(70, 33874), (Start: 84 @33910 has 90 MA's), (Start: 88 @33913 has 177 MA's), (Start: 115 @33994 has 1 MA's), (150, 34129), (168, 34216), (185, 34261), (199, 34330), (200, 34339), (218, 34390), (227, 34435), (243, 34513), (252, 34546), (256, 34552),

Gene: Labeouficaum_36 Start: 34552, Stop: 35151, Start Num: 91

Candidate Starts for Labeouficaum_36:

(26, 34345), (27, 34348), (34, 34372), (44, 34414), (49, 34432), (53, 34447), (Start: 91 @34552 has 423 MA's), (103, 34582), (106, 34594), (117, 34633), (122, 34648), (135, 34702), (148, 34747), (150, 34753), (152, 34759), (154, 34765), (161, 34810), (162, 34813), (168, 34840), (191, 34900), (194, 34921), (212, 34984), (219, 34999),

Gene: Labeouficaum_35 Start: 33908, Stop: 34555, Start Num: 88

Candidate Starts for Labeouficaum_35:

(70, 33869), (Start: 84 @33905 has 90 MA's), (Start: 88 @33908 has 177 MA's), (Start: 115 @33989 has 1 MA's), (150, 34124), (168, 34211), (185, 34256), (199, 34325), (200, 34334), (218, 34385), (227, 34430), (243, 34508), (252, 34541), (256, 34547),

Gene: Lambano_33 Start: 34162, Stop: 34767, Start Num: 91

Candidate Starts for Lambano_33:

(Start: 91 @34162 has 423 MA's), (103, 34198), (117, 34249), (118, 34252), (131, 34312), (135, 34318), (148, 34363), (151, 34372), (152, 34375), (153, 34378), (158, 34405), (168, 34456), (192, 34522), (194, 34537), (212, 34600), (227, 34657), (246, 34735), (251, 34753),

Gene: Lambano_32 Start: 33518, Stop: 34165, Start Num: 67

Candidate Starts for Lambano_32:

(Start: 67 @33518 has 25 MA's), (105, 33596), (108, 33608), (126, 33680), (137, 33704), (143, 33725), (144, 33734), (145, 33737), (148, 33746), (149, 33749), (159, 33794), (170, 33848), (177, 33866), (194, 33926), (199, 33938), (219, 33998), (225, 34022), (227, 34040), (246, 34127), (254, 34154),

Gene: Lars_36 Start: 34794, Stop: 35438, Start Num: 86

Candidate Starts for Lars_36:

(37, 34629), (61, 34740), (Start: 86 @34794 has 45 MA's), (Start: 89 @34803 has 1 MA's), (112, 34872), (118, 34899), (121, 34908), (124, 34917), (150, 35025), (154, 35037), (181, 35130), (195, 35196), (200, 35217), (205, 35232), (207, 35238), (214, 35259), (220, 35271), (254, 35427),

Gene: Lars_38 Start: 35584, Stop: 36183, Start Num: 91

Candidate Starts for Lars_38:

(82, 35563), (Start: 91 @35584 has 423 MA's), (103, 35614), (109, 35635), (117, 35665), (118, 35668), (135, 35734), (150, 35785), (151, 35788), (152, 35791), (158, 35821), (161, 35842), (184, 35908), (192, 35938), (217, 36028), (219, 36031), (223, 36049), (226, 36064), (227, 36073), (243, 36142), (251, 36169),

Gene: LasagnaCat_36 Start: 34346, Stop: 34993, Start Num: 88

Candidate Starts for LasagnaCat_36:

(70, 34307), (Start: 84 @34343 has 90 MA's), (Start: 88 @34346 has 177 MA's), (Start: 115 @34427 has 1 MA's), (150, 34562), (168, 34649), (185, 34694), (199, 34763), (200, 34772), (218, 34823), (227, 34868), (243, 34946), (252, 34979), (256, 34985),

Gene: LasagnaCat_37 Start: 34990, Stop: 35589, Start Num: 91

Candidate Starts for LasagnaCat_37:

(26, 34783), (27, 34786), (34, 34810), (44, 34852), (49, 34870), (53, 34885), (Start: 91 @34990 has 423 MA's), (103, 35020), (106, 35032), (117, 35071), (122, 35086), (135, 35140), (148, 35185), (150, 35191), (152, 35197), (154, 35203), (161, 35248), (162, 35251), (168, 35278), (191, 35338), (194, 35359), (212, 35422), (219, 35437),

Gene: Lasso_37 Start: 34963, Stop: 35562, Start Num: 91

Candidate Starts for Lasso_37:

(27, 34759), (34, 34783), (44, 34825), (49, 34843), (53, 34858), (Start: 91 @34963 has 423 MA's), (103, 34993), (106, 35005), (117, 35044), (122, 35059), (135, 35113), (148, 35158), (150, 35164), (152, 35170), (154, 35176), (161, 35221), (162, 35224), (168, 35251), (191, 35311), (194, 35332), (219, 35410),

Gene: Lasso_36 Start: 34316, Stop: 34966, Start Num: 84

Candidate Starts for Lasso_36:

(70, 34280), (Start: 84 @34316 has 90 MA's), (Start: 88 @34319 has 177 MA's), (Start: 115 @34400 has 1 MA's), (150, 34535), (168, 34622), (185, 34667), (200, 34745), (218, 34796), (225, 34823), (227, 34841), (243, 34919), (252, 34952), (256, 34958),

Gene: Laurie_37 Start: 34980, Stop: 35579, Start Num: 91

Candidate Starts for Laurie_37:

(82, 34959), (Start: 91 @34980 has 423 MA's), (103, 35010), (109, 35031), (117, 35061), (118, 35064), (135, 35130), (150, 35181), (151, 35184), (152, 35187), (158, 35217), (161, 35238), (184, 35304), (192, 35334), (217, 35424), (219, 35427), (223, 35445), (227, 35469), (243, 35538), (251, 35565),

Gene: Laurie_36 Start: 34190, Stop: 34834, Start Num: 86

Candidate Starts for Laurie_36:

(22, 33989), (Start: 86 @34190 has 45 MA's), (Start: 89 @34199 has 1 MA's), (112, 34268), (118, 34295), (121, 34304), (146, 34409), (150, 34421), (154, 34433), (181, 34526), (195, 34592), (200, 34613), (205, 34628), (207, 34634), (214, 34655), (220, 34667), (254, 34823),

Gene: LeeLot_37 Start: 34994, Stop: 35593, Start Num: 91

Candidate Starts for LeeLot_37:

(27, 34790), (34, 34814), (44, 34856), (49, 34874), (53, 34889), (Start: 91 @34994 has 423 MA's), (103, 35024), (106, 35036), (117, 35075), (122, 35090), (135, 35144), (148, 35189), (150, 35195),

(152, 35201), (154, 35207), (161, 35252), (162, 35255), (168, 35282), (191, 35342), (194, 35363), (219, 35441),

Gene: LeeLot_36 Start: 34350, Stop: 34997, Start Num: 88

Candidate Starts for LeeLot_36:

(70, 34311), (Start: 84 @34347 has 90 MA's), (Start: 88 @34350 has 177 MA's), (Start: 115 @34431 has 1 MA's), (150, 34566), (168, 34653), (185, 34698), (200, 34776), (218, 34827), (225, 34854), (227, 34872), (243, 34950), (252, 34983), (256, 34989),

Gene: Lego3393_37 Start: 34999, Stop: 35598, Start Num: 91

Candidate Starts for Lego3393_37:

(27, 34795), (34, 34819), (44, 34861), (49, 34879), (53, 34894), (Start: 91 @34999 has 423 MA's), (103, 35029), (106, 35041), (117, 35080), (122, 35095), (135, 35149), (148, 35194), (150, 35200), (152, 35206), (154, 35212), (161, 35257), (162, 35260), (168, 35287), (191, 35347), (194, 35368), (219, 35446),

Gene: Lego3393_36 Start: 34355, Stop: 35002, Start Num: 88

Candidate Starts for Lego3393_36:

(70, 34316), (Start: 84 @34352 has 90 MA's), (Start: 88 @34355 has 177 MA's), (Start: 115 @34436 has 1 MA's), (150, 34571), (168, 34658), (185, 34703), (200, 34781), (218, 34832), (225, 34859), (227, 34877), (243, 34955), (252, 34988), (256, 34994),

Gene: Legolas_36 Start: 34704, Stop: 35303, Start Num: 91

Candidate Starts for Legolas_36:

(27, 34500), (34, 34524), (44, 34566), (49, 34584), (53, 34599), (Start: 91 @34704 has 423 MA's), (103, 34734), (106, 34746), (117, 34785), (122, 34800), (135, 34854), (148, 34899), (150, 34905), (152, 34911), (154, 34917), (161, 34962), (162, 34965), (168, 34992), (191, 35052), (194, 35073), (219, 35151),

Gene: Legolas_35 Start: 34060, Stop: 34707, Start Num: 88

Candidate Starts for Legolas_35:

(70, 34021), (Start: 84 @34057 has 90 MA's), (Start: 88 @34060 has 177 MA's), (Start: 115 @34141 has 1 MA's), (150, 34276), (168, 34363), (185, 34408), (200, 34486), (218, 34537), (225, 34564), (227, 34582), (243, 34660), (252, 34693), (256, 34699),

Gene: LeiMonet_37 Start: 34695, Stop: 35294, Start Num: 91

Candidate Starts for LeiMonet_37:

(26, 34488), (27, 34491), (34, 34515), (44, 34557), (49, 34575), (53, 34590), (Start: 91 @34695 has 423 MA's), (103, 34725), (106, 34737), (117, 34776), (122, 34791), (135, 34845), (148, 34890), (150, 34896), (152, 34902), (154, 34908), (161, 34953), (162, 34956), (168, 34983), (191, 35043), (194, 35064), (219, 35142),

Gene: LeiMonet_36 Start: 34051, Stop: 34698, Start Num: 88

Candidate Starts for LeiMonet_36:

(70, 34012), (Start: 84 @34048 has 90 MA's), (Start: 88 @34051 has 177 MA's), (Start: 115 @34132 has 1 MA's), (150, 34267), (168, 34354), (185, 34399), (200, 34477), (218, 34528), (225, 34555), (227, 34573), (243, 34651), (252, 34684), (256, 34690),

Gene: LemonSlice_37 Start: 34691, Stop: 35290, Start Num: 91

Candidate Starts for LemonSlice_37:

(27, 34487), (34, 34511), (44, 34553), (49, 34571), (53, 34586), (Start: 91 @34691 has 423 MA's), (103, 34721), (106, 34733), (117, 34772), (122, 34787), (135, 34841), (148, 34886), (150, 34892), (152, 34898), (154, 34904), (161, 34949), (162, 34952), (168, 34979), (191, 35039), (194, 35060),

(219, 35138),

Gene: LemonSlice_36 Start: 34047, Stop: 34694, Start Num: 88

Candidate Starts for LemonSlice_36:

(70, 34008), (Start: 84 @34044 has 90 MA's), (Start: 88 @34047 has 177 MA's), (Start: 115 @34128 has 1 MA's), (150, 34263), (168, 34350), (185, 34395), (200, 34473), (218, 34524), (225, 34551), (227, 34569), (243, 34647), (252, 34680), (256, 34686),

Gene: Lephleur_36 Start: 34687, Stop: 35331, Start Num: 86

Candidate Starts for Lephleur_36:

(37, 34522), (61, 34633), (Start: 86 @34687 has 45 MA's), (Start: 89 @34696 has 1 MA's), (112, 34765), (118, 34792), (121, 34801), (124, 34810), (150, 34918), (154, 34930), (181, 35023), (195, 35089), (200, 35110), (205, 35125), (207, 35131), (214, 35152), (220, 35164), (254, 35320),

Gene: Lephleur_38 Start: 35477, Stop: 36076, Start Num: 91

Candidate Starts for Lephleur_38:

(82, 35456), (Start: 91 @35477 has 423 MA's), (103, 35507), (109, 35528), (117, 35558), (118, 35561), (135, 35627), (150, 35678), (151, 35681), (152, 35684), (158, 35714), (161, 35735), (184, 35801), (192, 35831), (217, 35921), (219, 35924), (223, 35942), (227, 35966), (243, 36035), (251, 36062),

Gene: LestyG_36 Start: 34280, Stop: 34933, Start Num: 85

Candidate Starts for LestyG_36:

(Start: 85 @34280 has 45 MA's), (112, 34361), (117, 34385), (149, 34508), (183, 34634), (190, 34649), (203, 34724), (244, 34889), (245, 34892), (252, 34919),

Gene: LestyG_37 Start: 34930, Stop: 35529, Start Num: 91

Candidate Starts for LestyG_37:

(Start: 91 @34930 has 423 MA's), (103, 34960), (112, 34987), (131, 35074), (135, 35080), (154, 35143), (158, 35167), (161, 35188), (191, 35278), (212, 35362), (217, 35374), (230, 35434), (245, 35494), (251, 35515),

Gene: Ligma_30 Start: 28099, Stop: 28731, Start Num: 91

Candidate Starts for Ligma_30:

(34, 27922), (Start: 91 @28099 has 423 MA's), (103, 28132), (112, 28159), (135, 28252), (149, 28300), (152, 28309), (161, 28360), (182, 28423), (184, 28426), (199, 28489), (219, 28549), (221, 28558), (223, 28567), (248, 28705),

Gene: Ligma_29 Start: 27488, Stop: 28102, Start Num: 95

Candidate Starts for Ligma_29:

(45, 27338), (Start: 95 @27488 has 16 MA's), (101, 27503), (Start: 104 @27521 has 1 MA's), (114, 27557), (122, 27581), (128, 27620), (149, 27689), (150, 27692), (151, 27695), (181, 27797), (239, 28034), (243, 28055), (245, 28061), (254, 28091),

Gene: LilMcDreamy_33 Start: 34699, Stop: 35310, Start Num: 91

Candidate Starts for LilMcDreamy_33:

(Start: 91 @34699 has 423 MA's), (103, 34732), (112, 34759), (117, 34783), (131, 34846), (135, 34852), (150, 34903), (152, 34909), (161, 34960), (162, 34963), (194, 35071), (204, 35107), (210, 35128), (212, 35134), (219, 35149), (232, 35212), (251, 35296),

Gene: LilMcDreamy_31 Start: 33700, Stop: 34323, Start Num: 94

Candidate Starts for LilMcDreamy_31:

(Start: 94 @33700 has 1 MA's), (112, 33760), (114, 33775), (118, 33787), (146, 33904), (149, 33913), (152, 33922), (158, 33952), (181, 34021), (185, 34030), (209, 34138), (218, 34159), (247, 34291),

Gene: LilSmirk_36 Start: 34681, Stop: 35325, Start Num: 86

Candidate Starts for LilSmirk_36:

(37, 34516), (61, 34627), (Start: 86 @34681 has 45 MA's), (Start: 89 @34690 has 1 MA's), (112, 34759), (118, 34786), (121, 34795), (124, 34804), (150, 34912), (154, 34924), (181, 35017), (195, 35083), (200, 35104), (205, 35119), (207, 35125), (214, 35146), (220, 35158), (254, 35314),

Gene: LilSmirk_38 Start: 35471, Stop: 36070, Start Num: 91

Candidate Starts for LilSmirk_38:

(82, 35450), (Start: 91 @35471 has 423 MA's), (103, 35501), (109, 35522), (117, 35552), (118, 35555), (135, 35621), (150, 35672), (151, 35675), (152, 35678), (158, 35708), (161, 35729), (184, 35795), (192, 35825), (217, 35915), (219, 35918), (223, 35936), (227, 35960), (243, 36029), (251, 36056),

Gene: LittleMunchkin_31 Start: 30916, Stop: 31530, Start Num: 95

Candidate Starts for LittleMunchkin_31:

(Start: 95 @30916 has 16 MA's), (101, 30931), (Start: 104 @30949 has 1 MA's), (112, 30970), (114, 30985), (118, 30997), (141, 31084), (149, 31117), (150, 31120), (181, 31225), (185, 31234), (187, 31237), (191, 31258), (239, 31462), (243, 31483), (245, 31489), (254, 31519),

Gene: LittleMunchkin_32 Start: 31527, Stop: 32156, Start Num: 91

Candidate Starts for LittleMunchkin_32:

(Start: 91 @31527 has 423 MA's), (103, 31557), (112, 31584), (131, 31671), (135, 31677), (149, 31725), (161, 31785), (173, 31830), (182, 31848), (184, 31851), (201, 31926), (212, 31959), (221, 31983), (227, 32016), (248, 32130),

Gene: LizLemon_36 Start: 34803, Stop: 35447, Start Num: 86

Candidate Starts for LizLemon_36:

(37, 34638), (61, 34749), (Start: 86 @34803 has 45 MA's), (Start: 89 @34812 has 1 MA's), (112, 34881), (118, 34908), (121, 34917), (124, 34926), (146, 35022), (150, 35034), (154, 35046), (181, 35139), (195, 35205), (200, 35226), (205, 35241), (207, 35247), (214, 35268), (220, 35280), (254, 35436),

Gene: LizLemon_38 Start: 35593, Stop: 36192, Start Num: 91

Candidate Starts for LizLemon_38:

(82, 35572), (Start: 91 @35593 has 423 MA's), (103, 35623), (109, 35644), (117, 35674), (118, 35677), (135, 35743), (150, 35794), (151, 35797), (152, 35800), (158, 35830), (161, 35851), (184, 35917), (192, 35947), (217, 36037), (219, 36040), (223, 36058), (226, 36073), (227, 36082), (243, 36151), (251, 36178),

Gene: Lolalove_34 Start: 35187, Stop: 35792, Start Num: 91

Candidate Starts for Lolalove_34:

(Start: 91 @35187 has 423 MA's), (103, 35223), (117, 35274), (118, 35277), (131, 35337), (135, 35343), (148, 35388), (151, 35397), (152, 35400), (153, 35403), (158, 35430), (161, 35451), (168, 35481), (192, 35547), (194, 35562), (212, 35625), (227, 35682), (246, 35760), (251, 35778),

Gene: Lolalove_33 Start: 34543, Stop: 35190, Start Num: 67

Candidate Starts for Lolalove_33:

(Start: 67 @34543 has 25 MA's), (105, 34621), (108, 34633), (126, 34705), (137, 34729), (143, 34750), (144, 34759), (145, 34762), (148, 34771), (159, 34819), (170, 34873), (177, 34891), (194, 34951), (199, 34963), (219, 35023), (225, 35047), (227, 35065), (246, 35152), (254, 35179),

Gene: Longacauda_36 Start: 34696, Stop: 35295, Start Num: 91

Candidate Starts for Longacauda_36:

(26, 34489), (27, 34492), (34, 34516), (44, 34558), (49, 34576), (53, 34591), (Start: 91 @34696 has 423 MA's), (103, 34726), (106, 34738), (117, 34777), (122, 34792), (135, 34846), (148, 34891), (150, 34897), (152, 34903), (154, 34909), (161, 34954), (162, 34957), (168, 34984), (191, 35044), (194, 35065), (212, 35128), (219, 35143),

Gene: Longacauda_35 Start: 34052, Stop: 34699, Start Num: 88

Candidate Starts for Longacauda_35:

(70, 34013), (Start: 84 @34049 has 90 MA's), (Start: 88 @34052 has 177 MA's), (Start: 115 @34133 has 1 MA's), (150, 34268), (168, 34355), (185, 34400), (199, 34469), (200, 34478), (218, 34529), (227, 34574), (243, 34652), (252, 34685), (256, 34691),

Gene: Lopsy_36 Start: 34546, Stop: 35145, Start Num: 91

Candidate Starts for Lopsy_36:

(27, 34342), (34, 34366), (44, 34408), (49, 34426), (53, 34441), (Start: 91 @34546 has 423 MA's), (103, 34576), (106, 34588), (117, 34627), (122, 34642), (135, 34696), (148, 34741), (150, 34747), (152, 34753), (154, 34759), (161, 34804), (162, 34807), (168, 34834), (191, 34894), (194, 34915), (219, 34993),

Gene: Lopsy_35 Start: 33902, Stop: 34549, Start Num: 88

Candidate Starts for Lopsy_35:

(70, 33863), (Start: 84 @33899 has 90 MA's), (Start: 88 @33902 has 177 MA's), (Start: 115 @33983 has 1 MA's), (150, 34118), (168, 34205), (185, 34250), (200, 34328), (218, 34379), (225, 34406), (227, 34424), (243, 34502), (252, 34535), (256, 34541),

Gene: LostAndPhound_35 Start: 34053, Stop: 34700, Start Num: 88

Candidate Starts for LostAndPhound_35:

(70, 34014), (Start: 84 @34050 has 90 MA's), (Start: 88 @34053 has 177 MA's), (Start: 115 @34134 has 1 MA's), (150, 34269), (168, 34356), (185, 34401), (200, 34479), (218, 34530), (225, 34557), (227, 34575), (243, 34653), (252, 34686), (256, 34692),

Gene: LostAndPhound_36 Start: 34697, Stop: 35296, Start Num: 91

Candidate Starts for LostAndPhound_36:

(26, 34490), (27, 34493), (34, 34517), (44, 34559), (49, 34577), (53, 34592), (Start: 91 @34697 has 423 MA's), (103, 34727), (106, 34739), (117, 34778), (122, 34793), (135, 34847), (148, 34892), (150, 34898), (152, 34904), (154, 34910), (161, 34955), (162, 34958), (168, 34985), (191, 35045), (194, 35066), (219, 35144),

Gene: LuckyMarjie_35 Start: 34059, Stop: 34709, Start Num: 84

Candidate Starts for LuckyMarjie_35:

(70, 34023), (Start: 84 @34059 has 90 MA's), (Start: 88 @34062 has 177 MA's), (Start: 115 @34143 has 1 MA's), (150, 34278), (168, 34365), (185, 34410), (200, 34488), (218, 34539), (225, 34566), (227, 34584), (243, 34662), (252, 34695), (256, 34701),

Gene: LuckyMarjie_36 Start: 34706, Stop: 35305, Start Num: 91

Candidate Starts for LuckyMarjie_36:

(27, 34502), (34, 34526), (44, 34568), (49, 34586), (53, 34601), (Start: 91 @34706 has 423 MA's), (103, 34736), (106, 34748), (117, 34787), (122, 34802), (135, 34856), (148, 34901), (150, 34907), (152, 34913), (154, 34919), (161, 34964), (162, 34967), (168, 34994), (191, 35054), (194, 35075), (219, 35153),

Gene: Lulumae_35 Start: 34044, Stop: 34691, Start Num: 88

Candidate Starts for Lulumae_35:

(42, 33894), (70, 34005), (Start: 84 @34041 has 90 MA's), (Start: 88 @34044 has 177 MA's), (Start: 115 @34125 has 1 MA's), (150, 34260), (168, 34347), (185, 34392), (200, 34470), (218, 34521), (225, 34548), (227, 34566), (243, 34644), (252, 34677), (256, 34683),

Gene: Lulumae_36 Start: 34688, Stop: 35287, Start Num: 91

Candidate Starts for Lulumae_36:

(27, 34484), (34, 34508), (44, 34550), (49, 34568), (53, 34583), (Start: 91 @34688 has 423 MA's), (103, 34718), (106, 34730), (117, 34769), (122, 34784), (135, 34838), (148, 34883), (150, 34889), (152, 34895), (154, 34901), (161, 34946), (162, 34949), (168, 34976), (191, 35036), (194, 35057),

Gene: Lulwa_36 Start: 34331, Stop: 34978, Start Num: 88

Candidate Starts for Lulwa_36:

(42, 34181), (70, 34292), (Start: 84 @34328 has 90 MA's), (Start: 88 @34331 has 177 MA's), (Start: 115 @34412 has 1 MA's), (150, 34547), (168, 34634), (185, 34679), (200, 34757), (218, 34808), (225, 34835), (227, 34853), (243, 34931), (252, 34964), (256, 34970),

Gene: Lulwa_37 Start: 34975, Stop: 35574, Start Num: 91

Candidate Starts for Lulwa_37:

(27, 34771), (34, 34795), (44, 34837), (49, 34855), (53, 34870), (Start: 91 @34975 has 423 MA's), (103, 35005), (106, 35017), (117, 35056), (122, 35071), (135, 35125), (148, 35170), (150, 35176), (152, 35182), (154, 35188), (161, 35233), (162, 35236), (168, 35263), (191, 35323), (194, 35344), (219, 35422),

Gene: Lumine_36 Start: 34684, Stop: 35283, Start Num: 91

Candidate Starts for Lumine_36:

(27, 34480), (34, 34504), (44, 34546), (49, 34564), (53, 34579), (Start: 91 @34684 has 423 MA's), (103, 34714), (106, 34726), (117, 34765), (122, 34780), (135, 34834), (148, 34879), (150, 34885), (152, 34891), (154, 34897), (161, 34942), (162, 34945), (168, 34972), (191, 35032), (194, 35053), (219, 35131),

Gene: Lumine_35 Start: 34040, Stop: 34687, Start Num: 88

Candidate Starts for Lumine_35:

(70, 34001), (Start: 84 @34037 has 90 MA's), (Start: 88 @34040 has 177 MA's), (Start: 115 @34121 has 1 MA's), (150, 34256), (168, 34343), (185, 34388), (200, 34466), (218, 34517), (225, 34544), (227, 34562), (243, 34640), (252, 34673), (256, 34679),

Gene: MRabcd_36 Start: 34688, Stop: 35287, Start Num: 91

Candidate Starts for MRabcd_36:

(26, 34481), (27, 34484), (34, 34508), (44, 34550), (49, 34568), (53, 34583), (Start: 91 @34688 has 423 MA's), (103, 34718), (106, 34730), (117, 34769), (122, 34784), (135, 34838), (148, 34883), (150, 34889), (152, 34895), (154, 34901), (161, 34946), (162, 34949), (168, 34976), (191, 35036), (194, 35057), (219, 35135),

Gene: MRabcd_35 Start: 34044, Stop: 34691, Start Num: 88

Candidate Starts for MRabcd_35:

(70, 34005), (Start: 84 @34041 has 90 MA's), (Start: 88 @34044 has 177 MA's), (Start: 115 @34125 has 1 MA's), (150, 34260), (168, 34347), (185, 34392), (200, 34470), (218, 34521), (225, 34548), (227, 34566), (243, 34644), (252, 34677), (256, 34683),

Gene: Mag7_35 Start: 33950, Stop: 34597, Start Num: 88

Candidate Starts for Mag7_35:

(70, 33911), (Start: 84 @33947 has 90 MA's), (Start: 88 @33950 has 177 MA's), (Start: 115 @34031 has 1 MA's), (150, 34166), (168, 34253), (185, 34298), (199, 34367), (200, 34376), (218, 34427), (227,

34472), (243, 34550), (252, 34583), (256, 34589),

Gene: Mag7_36 Start: 34594, Stop: 35193, Start Num: 91

Candidate Starts for Mag7_36:

(26, 34387), (27, 34390), (34, 34414), (44, 34456), (49, 34474), (53, 34489), (Start: 91 @34594 has 423 MA's), (103, 34624), (106, 34636), (117, 34675), (122, 34690), (135, 34744), (148, 34789), (150, 34795), (152, 34801), (154, 34807), (161, 34852), (162, 34855), (168, 34882), (191, 34942), (194, 34963), (212, 35026), (219, 35041),

Gene: Magic8_37 Start: 35029, Stop: 35628, Start Num: 91

Candidate Starts for Magic8_37:

(27, 34825), (34, 34849), (44, 34891), (49, 34909), (53, 34924), (Start: 91 @35029 has 423 MA's), (103, 35059), (106, 35071), (117, 35110), (122, 35125), (135, 35179), (148, 35224), (150, 35230), (152, 35236), (154, 35242), (161, 35287), (162, 35290), (168, 35317), (191, 35377), (194, 35398), (212, 35461), (219, 35476),

Gene: Magic8_36 Start: 34382, Stop: 35032, Start Num: 84

Candidate Starts for Magic8_36:

(70, 34346), (Start: 84 @34382 has 90 MA's), (Start: 88 @34385 has 177 MA's), (Start: 115 @34466 has 1 MA's), (150, 34601), (168, 34688), (185, 34733), (200, 34811), (218, 34862), (225, 34889), (227, 34907), (243, 34985), (252, 35018), (256, 35024),

Gene: Magpie_32 Start: 34379, Stop: 35026, Start Num: 67

Candidate Starts for Magpie_32:

(Start: 67 @34379 has 25 MA's), (105, 34457), (108, 34469), (126, 34541), (137, 34565), (144, 34595), (145, 34598), (148, 34607), (159, 34655), (170, 34709), (177, 34727), (194, 34787), (199, 34799), (219, 34859), (225, 34883), (227, 34901), (246, 34988), (247, 34991), (254, 35015),

Gene: Magpie_33 Start: 35023, Stop: 35628, Start Num: 91

Candidate Starts for Magpie_33:

(Start: 91 @35023 has 423 MA's), (103, 35059), (112, 35086), (117, 35110), (118, 35113), (131, 35173), (135, 35179), (148, 35224), (151, 35233), (152, 35236), (153, 35239), (158, 35266), (161, 35287), (168, 35317), (192, 35383), (194, 35398), (212, 35461), (227, 35518), (246, 35596), (251, 35614),

Gene: MakoManhole_31 Start: 29477, Stop: 30088, Start Num: 97

Candidate Starts for MakoManhole_31:

(Start: 95 @29474 has 16 MA's), (Start: 97 @29477 has 4 MA's), (112, 29528), (114, 29543), (119, 29558), (122, 29567), (128, 29606), (136, 29627), (141, 29642), (149, 29675), (158, 29714), (159, 29717), (161, 29735), (183, 29789), (245, 30047), (254, 30077),

Gene: MakoManhole_32 Start: 30085, Stop: 30681, Start Num: 91

Candidate Starts for MakoManhole_32:

(34, 29908), (44, 29947), (46, 29956), (61, 30019), (65, 30031), (Start: 91 @30085 has 423 MA's), (103, 30115), (131, 30229), (135, 30235), (150, 30286), (152, 30292), (161, 30343), (162, 30346), (184, 30409), (190, 30421), (191, 30433), (201, 30484), (211, 30514), (219, 30532), (221, 30541), (251, 30667),

Gene: Mana_35 Start: 34056, Stop: 34706, Start Num: 84

Candidate Starts for Mana_35:

(70, 34020), (Start: 84 @34056 has 90 MA's), (Start: 88 @34059 has 177 MA's), (Start: 115 @34140 has 1 MA's), (150, 34275), (168, 34362), (185, 34407), (200, 34485), (218, 34536), (225, 34563), (227, 34581), (243, 34659), (252, 34692), (256, 34698),

Gene: Mana_36 Start: 34703, Stop: 35302, Start Num: 91

Candidate Starts for Mana_36:

(27, 34499), (34, 34523), (44, 34565), (49, 34583), (53, 34598), (Start: 91 @34703 has 423 MA's), (103, 34733), (106, 34745), (117, 34784), (122, 34799), (135, 34853), (148, 34898), (150, 34904), (152, 34910), (154, 34916), (161, 34961), (162, 34964), (168, 34991), (191, 35051), (194, 35072), (219, 35150),

Gene: Manad_35 Start: 33898, Stop: 34548, Start Num: 84

Candidate Starts for Manad_35:

(42, 33751), (70, 33862), (Start: 84 @33898 has 90 MA's), (Start: 88 @33901 has 177 MA's), (Start: 115 @33982 has 1 MA's), (150, 34117), (168, 34204), (185, 34249), (200, 34327), (218, 34378), (225, 34405), (227, 34423), (243, 34501), (252, 34534), (256, 34540),

Gene: Manad_36 Start: 34545, Stop: 35144, Start Num: 91

Candidate Starts for Manad_36:

(27, 34341), (34, 34365), (44, 34407), (49, 34425), (53, 34440), (Start: 91 @34545 has 423 MA's), (103, 34575), (106, 34587), (117, 34626), (122, 34641), (135, 34695), (148, 34740), (150, 34746), (152, 34752), (154, 34758), (161, 34803), (162, 34806), (168, 34833), (191, 34893), (194, 34914), (219, 34992),

Gene: Mao1_30 Start: 30794, Stop: 31438, Start Num: 86

Candidate Starts for Mao1_30:

(21, 30554), (61, 30728), (Start: 86 @30794 has 45 MA's), (109, 30866), (118, 30899), (121, 30908), (126, 30941), (129, 30959), (136, 30974), (146, 31013), (154, 31037), (161, 31082), (181, 31130), (183, 31136), (199, 31208), (200, 31217), (203, 31226), (214, 31259), (227, 31313), (252, 31424), (254, 31427),

Gene: Mao1_31 Start: 31435, Stop: 32034, Start Num: 91

Candidate Starts for Mao1_31:

(44, 31297), (49, 31315), (74, 31399), (Start: 91 @31435 has 423 MA's), (100, 31447), (103, 31465), (112, 31492), (131, 31579), (150, 31636), (152, 31642), (198, 31819), (212, 31867), (247, 32005), (251, 32020),

Gene: Mariokart_30 Start: 28038, Stop: 28670, Start Num: 91

Candidate Starts for Mariokart_30:

(2, 27489), (23, 27828), (34, 27861), (Start: 91 @28038 has 423 MA's), (103, 28071), (112, 28098), (125, 28164), (131, 28185), (135, 28191), (161, 28299), (184, 28365), (212, 28473), (221, 28497), (223, 28506), (226, 28521), (227, 28530),

Gene: Mariokart_29 Start: 27427, Stop: 28041, Start Num: 95

Candidate Starts for Mariokart_29:

(Start: 95 @27427 has 16 MA's), (Start: 104 @27460 has 1 MA's), (114, 27496), (122, 27520), (128, 27559), (149, 27628), (150, 27631), (159, 27670), (161, 27688), (169, 27718), (181, 27736), (187, 27748), (245, 28000), (254, 28030),

Gene: Marley1013_37 Start: 35708, Stop: 36307, Start Num: 91

Candidate Starts for Marley1013_37:

(Start: 91 @35708 has 423 MA's), (103, 35738), (112, 35765), (131, 35852), (135, 35858), (154, 35921), (158, 35945), (161, 35966), (191, 36056), (212, 36140), (217, 36152), (230, 36212), (245, 36272), (251, 36293),

Gene: Marley1013_36 Start: 35058, Stop: 35711, Start Num: 85

Candidate Starts for Marley1013_36:

(Start: 85 @35058 has 45 MA's), (112, 35139), (149, 35286), (183, 35412), (190, 35427), (203, 35502), (244, 35667), (252, 35697),

Gene: Marlia_36 Start: 34261, Stop: 34914, Start Num: 85

Candidate Starts for Marlia_36:

(Start: 85 @34261 has 45 MA's), (112, 34342), (117, 34366), (149, 34489), (183, 34615), (190, 34630), (203, 34705), (244, 34870), (252, 34900),

Gene: Marlia_37 Start: 34911, Stop: 35510, Start Num: 91

Candidate Starts for Marlia_37:

(Start: 91 @34911 has 423 MA's), (103, 34941), (112, 34968), (131, 35055), (135, 35061), (154, 35124), (158, 35148), (191, 35259), (212, 35343), (217, 35355), (230, 35415), (251, 35496),

Gene: Maru_35 Start: 34002, Stop: 34649, Start Num: 88

Candidate Starts for Maru_35:

(70, 33963), (Start: 84 @33999 has 90 MA's), (Start: 88 @34002 has 177 MA's), (Start: 115 @34083 has 1 MA's), (150, 34218), (168, 34305), (185, 34350), (200, 34428), (218, 34479), (225, 34506), (227, 34524), (243, 34602), (252, 34635), (256, 34641),

Gene: Maru_36 Start: 34646, Stop: 35245, Start Num: 91

Candidate Starts for Maru_36:

(27, 34442), (34, 34466), (44, 34508), (49, 34526), (53, 34541), (Start: 91 @34646 has 423 MA's), (103, 34676), (106, 34688), (117, 34727), (122, 34742), (135, 34796), (148, 34841), (150, 34847), (152, 34853), (154, 34859), (161, 34904), (162, 34907), (168, 34934), (191, 34994), (194, 35015), (219, 35093),

Gene: Mask_32 Start: 31428, Stop: 32027, Start Num: 91

Candidate Starts for Mask_32:

(64, 31374), (74, 31392), (Start: 91 @31428 has 423 MA's), (100, 31440), (103, 31458), (112, 31485), (117, 31509), (118, 31512), (131, 31572), (150, 31629), (152, 31635), (198, 31812), (212, 31860), (247, 31998), (251, 32013),

Gene: Mask_31 Start: 30787, Stop: 31431, Start Num: 86

Candidate Starts for Mask_31:

(21, 30547), (61, 30721), (Start: 86 @30787 has 45 MA's), (121, 30901), (126, 30934), (129, 30952), (136, 30967), (146, 31006), (154, 31030), (161, 31075), (163, 31081), (181, 31123), (183, 31129), (199, 31201), (200, 31210), (203, 31219), (214, 31252), (227, 31306), (252, 31417), (254, 31420),

Gene: Maskar_36 Start: 34543, Stop: 35142, Start Num: 91

Candidate Starts for Maskar_36:

(26, 34336), (27, 34339), (34, 34363), (44, 34405), (49, 34423), (53, 34438), (Start: 91 @34543 has 423 MA's), (103, 34573), (106, 34585), (117, 34624), (122, 34639), (135, 34693), (148, 34738), (150, 34744), (152, 34750), (154, 34756), (161, 34801), (162, 34804), (168, 34831), (191, 34891), (194, 34912), (212, 34975), (219, 34990),

Gene: Maskar_35 Start: 33899, Stop: 34546, Start Num: 88

Candidate Starts for Maskar_35:

(70, 33860), (Start: 84 @33896 has 90 MA's), (Start: 88 @33899 has 177 MA's), (Start: 115 @33980 has 1 MA's), (150, 34115), (168, 34202), (185, 34247), (199, 34316), (200, 34325), (218, 34376), (227, 34421), (243, 34499), (252, 34532), (256, 34538),

Gene: MasterPo_36 Start: 34690, Stop: 35334, Start Num: 86

Candidate Starts for MasterPo_36:

(37, 34525), (61, 34636), (Start: 86 @34690 has 45 MA's), (Start: 89 @34699 has 1 MA's), (112, 34768), (118, 34795), (121, 34804), (150, 34921), (154, 34933), (181, 35026), (195, 35092), (200, 35113), (205, 35128), (207, 35134), (214, 35155), (220, 35167), (254, 35323),

Gene: MasterPo_38 Start: 35480, Stop: 36079, Start Num: 91

Candidate Starts for MasterPo_38:

(82, 35459), (Start: 91 @35480 has 423 MA's), (103, 35510), (109, 35531), (117, 35561), (118, 35564), (135, 35630), (150, 35681), (151, 35684), (152, 35687), (158, 35717), (161, 35738), (184, 35804), (192, 35834), (217, 35924), (219, 35927), (223, 35945), (227, 35969), (243, 36038), (251, 36065),

Gene: Matalotodo_36 Start: 34345, Stop: 34992, Start Num: 88

Candidate Starts for Matalotodo_36:

(70, 34306), (Start: 84 @34342 has 90 MA's), (Start: 88 @34345 has 177 MA's), (Start: 115 @34426 has 1 MA's), (150, 34561), (168, 34648), (185, 34693), (200, 34771), (218, 34822), (225, 34849), (227, 34867), (243, 34945), (252, 34978), (256, 34984),

Gene: Matalotodo_37 Start: 34989, Stop: 35588, Start Num: 91

Candidate Starts for Matalotodo_37:

(27, 34785), (34, 34809), (44, 34851), (49, 34869), (53, 34884), (Start: 91 @34989 has 423 MA's), (103, 35019), (106, 35031), (117, 35070), (122, 35085), (135, 35139), (148, 35184), (150, 35190), (152, 35196), (154, 35202), (161, 35247), (162, 35250), (168, 35277), (191, 35337), (194, 35358), (219, 35436),

Gene: Mcshane_35 Start: 34042, Stop: 34689, Start Num: 88

Candidate Starts for Mcshane_35:

(70, 34003), (Start: 84 @34039 has 90 MA's), (Start: 88 @34042 has 177 MA's), (Start: 115 @34123 has 1 MA's), (150, 34258), (168, 34345), (185, 34390), (200, 34468), (218, 34519), (225, 34546), (227, 34564), (243, 34642), (252, 34675), (256, 34681),

Gene: Mcshane_36 Start: 34686, Stop: 35285, Start Num: 91

Candidate Starts for Mcshane_36:

(27, 34482), (34, 34506), (44, 34548), (49, 34566), (53, 34581), (Start: 91 @34686 has 423 MA's), (103, 34716), (106, 34728), (117, 34767), (122, 34782), (135, 34836), (148, 34881), (150, 34887), (152, 34893), (154, 34899), (161, 34944), (162, 34947), (168, 34974), (191, 35034), (194, 35055), (219, 35133),

Gene: Mecca_36 Start: 34689, Stop: 35288, Start Num: 91

Candidate Starts for Mecca_36:

(27, 34485), (34, 34509), (44, 34551), (49, 34569), (53, 34584), (Start: 91 @34689 has 423 MA's), (103, 34719), (106, 34731), (117, 34770), (122, 34785), (135, 34839), (148, 34884), (150, 34890), (152, 34896), (154, 34902), (161, 34947), (162, 34950), (168, 34977), (191, 35037), (194, 35058), (219, 35136),

Gene: Mecca_35 Start: 34045, Stop: 34692, Start Num: 88

Candidate Starts for Mecca_35:

(70, 34006), (Start: 84 @34042 has 90 MA's), (Start: 88 @34045 has 177 MA's), (Start: 115 @34126 has 1 MA's), (150, 34261), (168, 34348), (185, 34393), (200, 34471), (218, 34522), (225, 34549), (227, 34567), (243, 34645), (252, 34678), (256, 34684),

Gene: Megabear_28 Start: 31380, Stop: 32024, Start Num: 86

Candidate Starts for Megabear_28:

(Start: 86 @31380 has 45 MA's), (93, 31398), (111, 31455), (121, 31494), (124, 31503), (136, 31560), (150, 31611), (152, 31617), (154, 31623), (169, 31698), (185, 31725), (195, 31782), (199, 31794), (207, 31824), (227, 31899), (242, 31971),

Gene: Megabear_30 Start: 32174, Stop: 32773, Start Num: 91

Candidate Starts for Megabear_30:

(Start: 91 @32174 has 423 MA's), (103, 32204), (109, 32225), (112, 32231), (131, 32318), (135, 32324), (150, 32375), (154, 32387), (158, 32411), (161, 32432), (165, 32450), (171, 32468), (182, 32495), (225, 32645), (227, 32663), (245, 32738), (251, 32759),

Gene: Megamind20_37 Start: 34711, Stop: 35310, Start Num: 91

Candidate Starts for Megamind20_37:

(27, 34507), (34, 34531), (44, 34573), (49, 34591), (53, 34606), (Start: 91 @34711 has 423 MA's), (103, 34741), (106, 34753), (117, 34792), (122, 34807), (135, 34861), (148, 34906), (150, 34912), (152, 34918), (154, 34924), (161, 34969), (162, 34972), (168, 34999), (191, 35059), (194, 35080),

Gene: Megamind20_36 Start: 34067, Stop: 34714, Start Num: 88

Candidate Starts for Megamind20_36:

(42, 33917), (70, 34028), (Start: 84 @34064 has 90 MA's), (Start: 88 @34067 has 177 MA's), (Start: 115 @34148 has 1 MA's), (150, 34283), (168, 34370), (185, 34415), (200, 34493), (218, 34544), (225, 34571), (227, 34589), (243, 34667), (252, 34700), (256, 34706),

Gene: Megatron_37 Start: 34987, Stop: 35586, Start Num: 91

Candidate Starts for Megatron_37:

(27, 34783), (34, 34807), (44, 34849), (49, 34867), (53, 34882), (Start: 91 @34987 has 423 MA's), (103, 35017), (106, 35029), (117, 35068), (122, 35083), (135, 35137), (148, 35182), (150, 35188), (152, 35194), (154, 35200), (161, 35245), (162, 35248), (168, 35275), (191, 35335), (194, 35356), (219, 35434),

Gene: Megatron_36 Start: 34340, Stop: 34990, Start Num: 84

Candidate Starts for Megatron_36:

(70, 34304), (Start: 84 @34340 has 90 MA's), (Start: 88 @34343 has 177 MA's), (Start: 115 @34424 has 1 MA's), (150, 34559), (168, 34646), (185, 34691), (200, 34769), (218, 34820), (225, 34847), (227, 34865), (243, 34943), (252, 34976), (256, 34982),

Gene: Melc17_36 Start: 34340, Stop: 34987, Start Num: 88

Candidate Starts for Melc17_36:

(70, 34301), (Start: 84 @34337 has 90 MA's), (Start: 88 @34340 has 177 MA's), (Start: 115 @34421 has 1 MA's), (150, 34556), (168, 34643), (185, 34688), (199, 34757), (200, 34766), (218, 34817), (227, 34862), (243, 34940), (252, 34973), (256, 34979),

Gene: Melc17_37 Start: 34984, Stop: 35583, Start Num: 91

Candidate Starts for Melc17_37:

(26, 34777), (27, 34780), (34, 34804), (44, 34846), (49, 34864), (53, 34879), (Start: 91 @34984 has 423 MA's), (103, 35014), (106, 35026), (117, 35065), (122, 35080), (135, 35134), (148, 35179), (150, 35185), (152, 35191), (154, 35197), (161, 35242), (162, 35245), (168, 35272), (194, 35353), (212, 35416), (219, 35431),

Gene: MelsMeow_35 Start: 33948, Stop: 34595, Start Num: 88

Candidate Starts for MelsMeow_35:

(70, 33909), (Start: 84 @33945 has 90 MA's), (Start: 88 @33948 has 177 MA's), (Start: 115 @34029 has 1 MA's), (150, 34164), (168, 34251), (185, 34296), (199, 34365), (200, 34374), (218, 34425), (227, 34470), (243, 34548), (252, 34581), (256, 34587),

Gene: MelsMeow_36 Start: 34592, Stop: 35191, Start Num: 91

Candidate Starts for MelsMeow_36:

(26, 34385), (27, 34388), (34, 34412), (44, 34454), (49, 34472), (53, 34487), (Start: 91 @34592 has 423 MA's), (103, 34622), (106, 34634), (117, 34673), (122, 34688), (135, 34742), (148, 34787), (150, 34793), (152, 34799), (154, 34805), (161, 34850), (162, 34853), (168, 34880), (194, 34961), (212, 35024), (219, 35039),

Gene: Mesh1_36 Start: 34354, Stop: 35004, Start Num: 84

Candidate Starts for Mesh1_36:

(70, 34318), (Start: 84 @34354 has 90 MA's), (Start: 88 @34357 has 177 MA's), (Start: 115 @34438 has 1 MA's), (150, 34573), (168, 34660), (185, 34705), (200, 34783), (218, 34834), (225, 34861), (227, 34879), (243, 34957), (252, 34990), (256, 34996),

Gene: Mesh1_37 Start: 35001, Stop: 35600, Start Num: 91

Candidate Starts for Mesh1_37:

(27, 34797), (34, 34821), (44, 34863), (49, 34881), (53, 34896), (Start: 91 @35001 has 423 MA's), (103, 35031), (106, 35043), (117, 35082), (122, 35097), (135, 35151), (148, 35196), (150, 35202), (152, 35208), (154, 35214), (161, 35259), (162, 35262), (168, 35289), (191, 35349), (194, 35370), (219, 35448),

Gene: Mesmerelda_37 Start: 34699, Stop: 35298, Start Num: 91

Candidate Starts for Mesmerelda_37:

(27, 34495), (34, 34519), (44, 34561), (49, 34579), (53, 34594), (Start: 91 @34699 has 423 MA's), (103, 34729), (106, 34741), (117, 34780), (122, 34795), (135, 34849), (148, 34894), (150, 34900), (152, 34906), (154, 34912), (161, 34957), (162, 34960), (168, 34987), (191, 35047), (194, 35068), (219, 35146),

Gene: Mesmerelda_36 Start: 34055, Stop: 34702, Start Num: 88

Candidate Starts for Mesmerelda_36:

(70, 34016), (Start: 84 @34052 has 90 MA's), (Start: 88 @34055 has 177 MA's), (Start: 115 @34136 has 1 MA's), (150, 34271), (168, 34358), (185, 34403), (200, 34481), (218, 34532), (225, 34559), (227, 34577), (243, 34655), (252, 34688), (256, 34694),

Gene: MichaelPhcott_36 Start: 34591, Stop: 35190, Start Num: 91

Candidate Starts for MichaelPhcott_36:

(26, 34384), (27, 34387), (34, 34411), (44, 34453), (49, 34471), (53, 34486), (Start: 91 @34591 has 423 MA's), (103, 34621), (106, 34633), (117, 34672), (122, 34687), (135, 34741), (148, 34786), (150, 34792), (152, 34798), (154, 34804), (161, 34849), (162, 34852), (168, 34879), (191, 34939), (194, 34960), (212, 35023), (219, 35038),

Gene: MichaelPhcott_35 Start: 33944, Stop: 34594, Start Num: 84

Candidate Starts for MichaelPhcott_35:

(70, 33908), (Start: 84 @33944 has 90 MA's), (Start: 88 @33947 has 177 MA's), (Start: 115 @34028 has 1 MA's), (150, 34163), (168, 34250), (185, 34295), (199, 34364), (200, 34373), (218, 34424), (227, 34469), (243, 34547), (252, 34580), (256, 34586),

Gene: Mikota_37 Start: 34974, Stop: 35573, Start Num: 91

Candidate Starts for Mikota_37:

(27, 34770), (34, 34794), (44, 34836), (49, 34854), (53, 34869), (Start: 91 @34974 has 423 MA's), (103, 35004), (106, 35016), (117, 35055), (122, 35070), (123, 35073), (135, 35124), (148, 35169), (150, 35175), (152, 35181), (154, 35187), (161, 35232), (162, 35235), (168, 35262), (191, 35322), (194, 35343), (219, 35421),

Gene: Mikota_36 Start: 34330, Stop: 34977, Start Num: 88

Candidate Starts for Mikota_36:

(42, 34180), (70, 34291), (Start: 84 @34327 has 90 MA's), (Start: 88 @34330 has 177 MA's), (Start: 115 @34411 has 1 MA's), (150, 34546), (168, 34633), (185, 34678), (200, 34756), (218, 34807), (225, 34834), (227, 34852), (243, 34930), (252, 34963), (256, 34969),

Gene: MiniBoss_36 Start: 34336, Stop: 34983, Start Num: 88

Candidate Starts for MiniBoss_36:

(42, 34186), (70, 34297), (Start: 84 @34333 has 90 MA's), (Start: 88 @34336 has 177 MA's), (Start: 115 @34417 has 1 MA's), (150, 34552), (168, 34639), (185, 34684), (200, 34762), (218, 34813), (225, 34840), (227, 34858), (243, 34936), (252, 34969), (256, 34975),

Gene: MiniBoss_37 Start: 34980, Stop: 35579, Start Num: 91

Candidate Starts for MiniBoss_37:

(27, 34776), (34, 34800), (44, 34842), (49, 34860), (53, 34875), (Start: 91 @34980 has 423 MA's), (103, 35010), (106, 35022), (117, 35061), (122, 35076), (123, 35079), (135, 35130), (148, 35175), (150, 35181), (152, 35187), (154, 35193), (161, 35238), (162, 35241), (168, 35268), (191, 35328), (194, 35349), (219, 35427),

Gene: MitKao_36 Start: 34048, Stop: 34698, Start Num: 84

Candidate Starts for MitKao_36:

(70, 34012), (Start: 84 @34048 has 90 MA's), (Start: 88 @34051 has 177 MA's), (Start: 115 @34132 has 1 MA's), (150, 34267), (168, 34354), (185, 34399), (200, 34477), (218, 34528), (225, 34555), (227, 34573), (243, 34651), (252, 34684), (256, 34690),

Gene: MitKao_37 Start: 34695, Stop: 35294, Start Num: 91

Candidate Starts for MitKao_37:

(26, 34488), (27, 34491), (34, 34515), (44, 34557), (49, 34575), (53, 34590), (Start: 91 @34695 has 423 MA's), (103, 34725), (106, 34737), (117, 34776), (122, 34791), (135, 34845), (148, 34890), (150, 34896), (152, 34902), (154, 34908), (161, 34953), (162, 34956), (168, 34983), (191, 35043), (194, 35064), (219, 35142),

Gene: Mithril_33 Start: 34547, Stop: 35194, Start Num: 67

Candidate Starts for Mithril_33:

(Start: 67 @34547 has 25 MA's), (105, 34625), (108, 34637), (126, 34709), (144, 34763), (145, 34766), (148, 34775), (159, 34823), (170, 34877), (177, 34895), (194, 34955), (199, 34967), (225, 35051), (227, 35069), (246, 35156), (247, 35159), (254, 35183),

Gene: Mithril_34 Start: 35191, Stop: 35796, Start Num: 91

Candidate Starts for Mithril_34:

(Start: 91 @35191 has 423 MA's), (103, 35227), (112, 35254), (117, 35278), (118, 35281), (131, 35341), (135, 35347), (148, 35392), (151, 35401), (152, 35404), (153, 35407), (158, 35434), (161, 35455), (168, 35485), (192, 35551), (194, 35566), (212, 35629), (227, 35686), (246, 35764), (251, 35782),

Gene: MmasiCarm_37 Start: 34912, Stop: 35511, Start Num: 91

Candidate Starts for MmasiCarm_37:

(Start: 91 @34912 has 423 MA's), (103, 34942), (112, 34969), (131, 35056), (135, 35062), (154, 35125), (158, 35149), (161, 35170), (191, 35260), (212, 35344), (217, 35356), (230, 35416), (245, 35476), (251, 35497),

Gene: MmasiCarm_36 Start: 34262, Stop: 34915, Start Num: 85

Candidate Starts for MmasiCarm_36:

(Start: 85 @34262 has 45 MA's), (112, 34343), (149, 34490), (183, 34616), (190, 34631), (203, 34706), (244, 34871), (245, 34874), (252, 34901),

Gene: Morgushi_36 Start: 34052, Stop: 34699, Start Num: 88

Candidate Starts for Morgushi_36:

(70, 34013), (Start: 84 @34049 has 90 MA's), (Start: 88 @34052 has 177 MA's), (Start: 115 @34133 has 1 MA's), (150, 34268), (168, 34355), (185, 34400), (200, 34478), (218, 34529), (225, 34556), (227, 34574), (243, 34652), (252, 34685), (256, 34691),

Gene: Morgushi_37 Start: 34696, Stop: 35295, Start Num: 91

Candidate Starts for Morgushi_37:

(27, 34492), (34, 34516), (44, 34558), (49, 34576), (53, 34591), (Start: 91 @34696 has 423 MA's), (103, 34726), (106, 34738), (117, 34777), (122, 34792), (135, 34846), (148, 34891), (150, 34897), (152, 34903), (154, 34909), (161, 34954), (162, 34957), (168, 34984), (191, 35044), (194, 35065), (219, 35143),

Gene: Mortcellus_36 Start: 35564, Stop: 36163, Start Num: 91

Candidate Starts for Mortcellus_36:

(Start: 91 @35564 has 423 MA's), (103, 35594), (112, 35621), (131, 35708), (135, 35714), (154, 35777), (158, 35801), (161, 35822), (191, 35912), (212, 35996), (217, 36008), (230, 36068), (245, 36128), (251, 36149),

Gene: Mortcellus_35 Start: 34914, Stop: 35567, Start Num: 85

Candidate Starts for Mortcellus_35:

(Start: 85 @34914 has 45 MA's), (112, 34995), (117, 35019), (149, 35142), (183, 35268), (190, 35283), (203, 35358), (244, 35523), (252, 35553),

Gene: Morty_36 Start: 34352, Stop: 34999, Start Num: 88

Candidate Starts for Morty_36:

(70, 34313), (Start: 84 @34349 has 90 MA's), (Start: 88 @34352 has 177 MA's), (Start: 115 @34433 has 1 MA's), (150, 34568), (168, 34655), (185, 34700), (200, 34778), (218, 34829), (225, 34856), (227, 34874), (243, 34952), (252, 34985), (256, 34991),

Gene: Morty_37 Start: 34996, Stop: 35595, Start Num: 91

Candidate Starts for Morty_37:

(27, 34792), (34, 34816), (44, 34858), (49, 34876), (53, 34891), (Start: 91 @34996 has 423 MA's), (103, 35026), (106, 35038), (117, 35077), (122, 35092), (135, 35146), (148, 35191), (150, 35197), (152, 35203), (154, 35209), (161, 35254), (162, 35257), (168, 35284), (191, 35344), (194, 35365), (219, 35443),

Gene: Morty007_36 Start: 35058, Stop: 35711, Start Num: 85

Candidate Starts for Morty007_36:

(Start: 85 @35058 has 45 MA's), (112, 35139), (149, 35286), (183, 35412), (190, 35427), (203, 35502), (244, 35667), (252, 35697),

Gene: Morty007_37 Start: 35708, Stop: 36307, Start Num: 91

Candidate Starts for Morty007_37:

(Start: 91 @35708 has 423 MA's), (103, 35738), (112, 35765), (131, 35852), (135, 35858), (154, 35921), (158, 35945), (161, 35966), (191, 36056), (212, 36140), (217, 36152), (230, 36212), (245, 36272), (251, 36293),

Gene: Mosaic_35 Start: 34054, Stop: 34704, Start Num: 84

Candidate Starts for Mosaic_35:

(70, 34018), (Start: 84 @34054 has 90 MA's), (Start: 88 @34057 has 177 MA's), (Start: 115 @34138 has 1 MA's), (150, 34273), (168, 34360), (185, 34405), (200, 34483), (218, 34534), (225, 34561), (227, 34579), (243, 34657), (252, 34690), (256, 34696),

Gene: Mosaic_36 Start: 34701, Stop: 35300, Start Num: 91

Candidate Starts for Mosaic_36:

(26, 34494), (27, 34497), (34, 34521), (44, 34563), (49, 34581), (53, 34596), (Start: 91 @34701 has 423 MA's), (103, 34731), (106, 34743), (117, 34782), (122, 34797), (135, 34851), (148, 34896), (150, 34902), (152, 34908), (154, 34914), (161, 34959), (162, 34962), (168, 34989), (191, 35049), (194, 35070), (219, 35148),

Gene: MossRose_32 Start: 30064, Stop: 30660, Start Num: 91

Candidate Starts for MossRose_32:

(34, 29887), (44, 29926), (46, 29935), (61, 29998), (65, 30010), (Start: 91 @30064 has 423 MA's), (103, 30094), (131, 30208), (135, 30214), (150, 30265), (152, 30271), (161, 30322), (162, 30325), (184, 30388), (190, 30400), (191, 30412), (201, 30463), (211, 30493), (219, 30511), (221, 30520), (251, 30646),

Gene: MossRose_31 Start: 29456, Stop: 30067, Start Num: 97

Candidate Starts for MossRose_31:

(Start: 95 @29453 has 16 MA's), (Start: 97 @29456 has 4 MA's), (114, 29522), (119, 29537), (122, 29546), (128, 29585), (136, 29606), (141, 29621), (149, 29654), (158, 29693), (159, 29696), (161, 29714), (183, 29768), (245, 30026), (254, 30056),

Gene: MrPhizzler_35 Start: 34060, Stop: 34707, Start Num: 88

Candidate Starts for MrPhizzler_35:

(70, 34021), (Start: 84 @34057 has 90 MA's), (Start: 88 @34060 has 177 MA's), (Start: 115 @34141 has 1 MA's), (150, 34276), (168, 34363), (185, 34408), (199, 34477), (200, 34486), (218, 34537), (227, 34582), (243, 34660), (252, 34693), (256, 34699),

Gene: MrPhizzler_36 Start: 34704, Stop: 35303, Start Num: 91

Candidate Starts for MrPhizzler_36:

(26, 34497), (27, 34500), (34, 34524), (44, 34566), (49, 34584), (53, 34599), (Start: 91 @34704 has 423 MA's), (103, 34734), (106, 34746), (117, 34785), (122, 34800), (135, 34854), (148, 34899), (150, 34905), (152, 34911), (154, 34917), (161, 34962), (162, 34965), (168, 34992), (191, 35052), (194, 35073), (212, 35136), (219, 35151),

Gene: Mudslide_34 Start: 35423, Stop: 36028, Start Num: 91

Candidate Starts for Mudslide_34:

(Start: 91 @35423 has 423 MA's), (103, 35459), (112, 35486), (117, 35510), (118, 35513), (131, 35573), (135, 35579), (148, 35624), (151, 35633), (152, 35636), (153, 35639), (158, 35666), (161, 35687), (168, 35717), (192, 35783), (194, 35798), (212, 35861), (227, 35918), (246, 35996), (251, 36014),

Gene: Mudslide_33 Start: 34779, Stop: 35426, Start Num: 67

Candidate Starts for Mudslide_33:

(Start: 67 @34779 has 25 MA's), (105, 34857), (108, 34869), (126, 34941), (137, 34965), (144, 34995), (145, 34998), (148, 35007), (159, 35055), (170, 35109), (177, 35127), (194, 35187), (199, 35199), (219, 35259), (225, 35283), (227, 35301), (246, 35388), (247, 35391), (254, 35415),

Gene: Mulan_35 Start: 34069, Stop: 34716, Start Num: 88

Candidate Starts for Mulan_35:

(70, 34030), (Start: 84 @34066 has 90 MA's), (Start: 88 @34069 has 177 MA's), (Start: 115 @34150 has 1 MA's), (150, 34285), (168, 34372), (185, 34417), (200, 34495), (218, 34546), (225, 34573), (227, 34591), (243, 34669), (252, 34702), (256, 34708),

Gene: Mulan_36 Start: 34713, Stop: 35312, Start Num: 91

Candidate Starts for Mulan_36:

(26, 34506), (27, 34509), (34, 34533), (44, 34575), (49, 34593), (53, 34608), (Start: 91 @34713 has 423 MA's), (103, 34743), (106, 34755), (117, 34794), (122, 34809), (135, 34863), (148, 34908), (150, 34914), (152, 34920), (154, 34926), (161, 34971), (162, 34974), (168, 35001), (191, 35061), (194, 35082), (219, 35160),

Gene: Murdoc_37 Start: 34988, Stop: 35587, Start Num: 91

Candidate Starts for Murdoc_37:

(27, 34784), (34, 34808), (44, 34850), (49, 34868), (53, 34883), (Start: 91 @34988 has 423 MA's), (103, 35018), (106, 35030), (117, 35069), (122, 35084), (135, 35138), (148, 35183), (150, 35189), (152, 35195), (154, 35201), (161, 35246), (162, 35249), (168, 35276), (191, 35336), (194, 35357), (219, 35435),

Gene: Murdoc_36 Start: 34341, Stop: 34991, Start Num: 84

Candidate Starts for Murdoc_36:

(70, 34305), (Start: 84 @34341 has 90 MA's), (Start: 88 @34344 has 177 MA's), (Start: 115 @34425 has 1 MA's), (150, 34560), (168, 34647), (185, 34692), (200, 34770), (218, 34821), (225, 34848), (227, 34866), (243, 34944), (252, 34977), (256, 34983),

Gene: Mutante_35 Start: 34051, Stop: 34698, Start Num: 88

Candidate Starts for Mutante_35:

(70, 34012), (Start: 84 @34048 has 90 MA's), (Start: 88 @34051 has 177 MA's), (Start: 115 @34132 has 1 MA's), (150, 34267), (168, 34354), (185, 34399), (200, 34477), (218, 34528), (225, 34555), (227, 34573), (243, 34651), (252, 34684), (256, 34690),

Gene: Mutante_36 Start: 34695, Stop: 35294, Start Num: 91

Candidate Starts for Mutante_36:

(27, 34491), (34, 34515), (44, 34557), (49, 34575), (53, 34590), (Start: 91 @34695 has 423 MA's), (103, 34725), (106, 34737), (117, 34776), (122, 34791), (135, 34845), (148, 34890), (150, 34896), (152, 34902), (154, 34908), (161, 34953), (162, 34956), (168, 34983), (191, 35043), (194, 35064), (219, 35142),

Gene: Mysterious_36 Start: 35234, Stop: 35863, Start Num: 90

Candidate Starts for Mysterious_36:

(Start: 90 @35234 has 18 MA's), (107, 35288), (118, 35324), (129, 35384), (137, 35405), (146, 35441), (149, 35450), (150, 35453), (152, 35459), (161, 35510), (181, 35558), (183, 35564), (227, 35738), (248, 35831), (254, 35852),

Gene: Mysterious_38 Start: 35860, Stop: 36471, Start Num: 91

Candidate Starts for Mysterious_38:

(33, 35683), (48, 35740), (53, 35755), (Start: 91 @35860 has 423 MA's), (103, 35893), (117, 35944), (131, 36007), (135, 36013), (150, 36064), (152, 36070), (154, 36076), (162, 36124), (210, 36289), (212, 36295), (219, 36310), (246, 36439), (251, 36457),

Gene: NHagos_29 Start: 27986, Stop: 28600, Start Num: 95

Candidate Starts for NHagos_29:

(Start: 95 @27986 has 16 MA's), (121, 28076), (122, 28079), (128, 28118), (136, 28139), (149, 28187), (150, 28190), (181, 28295), (218, 28433), (245, 28559), (254, 28589),

Gene: NHagos_30 Start: 28597, Stop: 29193, Start Num: 91

Candidate Starts for NHagos_30:

(34, 28420), (65, 28543), (Start: 91 @28597 has 423 MA's), (103, 28627), (112, 28654), (118, 28681), (131, 28741), (135, 28747), (149, 28795), (150, 28798), (152, 28804), (162, 28858), (171, 28891), (184, 28921), (194, 28966), (212, 29029), (215, 29035), (219, 29044), (221, 29053), (251, 29179),

Gene: Nacho_0036 Start: 34343, Stop: 34993, Start Num: 84

Candidate Starts for Nacho_0036:

(42, 34196), (70, 34307), (Start: 84 @34343 has 90 MA's), (Start: 88 @34346 has 177 MA's), (Start: 115 @34427 has 1 MA's), (150, 34562), (168, 34649), (185, 34694), (200, 34772), (218, 34823), (225, 34850), (227, 34868), (243, 34946), (252, 34979), (256, 34985),

Gene: Nacho_0037 Start: 34990, Stop: 35589, Start Num: 91

Candidate Starts for Nacho_0037:

(27, 34786), (34, 34810), (44, 34852), (49, 34870), (53, 34885), (Start: 91 @34990 has 423 MA's), (103, 35020), (106, 35032), (117, 35071), (122, 35086), (135, 35140), (148, 35185), (150, 35191), (152, 35197), (154, 35203), (161, 35248), (162, 35251), (168, 35278), (191, 35338), (194, 35359), (219, 35437),

Gene: Nanao_32 Start: 33505, Stop: 34152, Start Num: 67

Candidate Starts for Nanao_32:

(Start: 67 @33505 has 25 MA's), (105, 33583), (108, 33595), (126, 33667), (137, 33691), (143, 33712), (144, 33721), (145, 33724), (148, 33733), (149, 33736), (159, 33781), (170, 33835), (177, 33853), (194, 33913), (199, 33925), (219, 33985), (225, 34009), (227, 34027), (246, 34114), (254, 34141),

Gene: Nanao_33 Start: 34149, Stop: 34754, Start Num: 91

Candidate Starts for Nanao_33:

(Start: 91 @34149 has 423 MA's), (103, 34185), (117, 34236), (118, 34239), (131, 34299), (135, 34305), (148, 34350), (151, 34359), (152, 34362), (153, 34365), (158, 34392), (168, 34443), (192, 34509), (194, 34524), (212, 34587), (227, 34644), (246, 34722), (251, 34740),

Gene: Nangang_36 Start: 35615, Stop: 36268, Start Num: 72

Candidate Starts for Nangang_36:

(56, 35564), (57, 35570), (66, 35600), (68, 35609), (72, 35615), (Start: 91 @35657 has 423 MA's), (103, 35690), (117, 35741), (131, 35804), (135, 35810), (150, 35861), (152, 35867), (154, 35873), (162, 35921), (210, 36086), (212, 36092), (236, 36194), (246, 36236), (251, 36254),

Gene: Nangang_35 Start: 34921, Stop: 35550, Start Num: 90

Candidate Starts for Nangang_35:

(Start: 90 @34921 has 18 MA's), (114, 34999), (118, 35011), (149, 35137), (152, 35146), (154, 35152), (161, 35197), (181, 35245), (183, 35251), (227, 35425), (254, 35539),

Gene: Nathan_37 Start: 34382, Stop: 35029, Start Num: 88

Candidate Starts for Nathan_37:

(70, 34343), (Start: 84 @34379 has 90 MA's), (Start: 88 @34382 has 177 MA's), (Start: 115 @34463 has 1 MA's), (150, 34598), (168, 34685), (185, 34730), (200, 34808), (218, 34859), (225, 34886), (227, 34904), (243, 34982), (252, 35015), (256, 35021),

Gene: Nathan_38 Start: 35026, Stop: 35625, Start Num: 91

Candidate Starts for Nathan_38:

(27, 34822), (34, 34846), (44, 34888), (49, 34906), (53, 34921), (Start: 91 @35026 has 423 MA's), (103, 35056), (106, 35068), (117, 35107), (122, 35122), (135, 35176), (148, 35221), (150, 35227),

(152, 35233), (154, 35239), (161, 35284), (162, 35287), (168, 35314), (191, 35374), (194, 35395), (219, 35473),

Gene: Nehemiah_34 Start: 35234, Stop: 35863, Start Num: 90

Candidate Starts for Nehemiah_34:

(Start: 90 @35234 has 18 MA's), (107, 35288), (118, 35324), (129, 35384), (137, 35405), (146, 35441), (149, 35450), (150, 35453), (152, 35459), (161, 35510), (181, 35558), (183, 35564), (227, 35738), (248, 35831), (254, 35852),

Gene: Nehemiah_36 Start: 35860, Stop: 36471, Start Num: 91

Candidate Starts for Nehemiah_36:

(33, 35683), (48, 35740), (53, 35755), (Start: 91 @35860 has 423 MA's), (103, 35893), (117, 35944), (131, 36007), (135, 36013), (150, 36064), (152, 36070), (154, 36076), (162, 36124), (210, 36289), (212, 36295), (219, 36310), (246, 36439), (251, 36457),

Gene: Neos5_37 Start: 35727, Stop: 36326, Start Num: 91

Candidate Starts for Neos5_37:

(Start: 91 @35727 has 423 MA's), (103, 35757), (112, 35784), (131, 35871), (135, 35877), (154, 35940), (158, 35964), (161, 35985), (191, 36075), (212, 36159), (217, 36171), (230, 36231), (251, 36312),

Gene: Neos5_36 Start: 35077, Stop: 35730, Start Num: 85

Candidate Starts for Neos5_36:

(Start: 85 @35077 has 45 MA's), (112, 35158), (117, 35182), (149, 35305), (183, 35431), (190, 35446), (203, 35521), (244, 35686), (245, 35689), (252, 35716),

Gene: Newman_36 Start: 34343, Stop: 34990, Start Num: 88

Candidate Starts for Newman_36:

(70, 34304), (Start: 84 @34340 has 90 MA's), (Start: 88 @34343 has 177 MA's), (Start: 115 @34424 has 1 MA's), (150, 34559), (168, 34646), (185, 34691), (200, 34769), (218, 34820), (225, 34847), (227, 34865), (243, 34943), (252, 34976), (256, 34982),

Gene: Newman_37 Start: 34987, Stop: 35586, Start Num: 91

Candidate Starts for Newman_37:

(26, 34780), (27, 34783), (34, 34807), (44, 34849), (49, 34867), (53, 34882), (Start: 91 @34987 has 423 MA's), (103, 35017), (106, 35029), (117, 35068), (122, 35083), (135, 35137), (148, 35182), (150, 35188), (152, 35194), (154, 35200), (161, 35245), (162, 35248), (168, 35275), (191, 35335), (194, 35356), (219, 35434),

Gene: Nicole21_37 Start: 34985, Stop: 35584, Start Num: 91

Candidate Starts for Nicole21_37:

(27, 34781), (34, 34805), (44, 34847), (49, 34865), (53, 34880), (Start: 91 @34985 has 423 MA's), (103, 35015), (106, 35027), (117, 35066), (122, 35081), (135, 35135), (148, 35180), (150, 35186), (152, 35192), (154, 35198), (161, 35243), (162, 35246), (168, 35273), (191, 35333), (194, 35354), (212, 35417), (219, 35432),

Gene: Nicole21_36 Start: 34338, Stop: 34988, Start Num: 84

Candidate Starts for Nicole21_36:

(70, 34302), (Start: 84 @34338 has 90 MA's), (Start: 88 @34341 has 177 MA's), (Start: 115 @34422 has 1 MA's), (150, 34557), (168, 34644), (185, 34689), (200, 34767), (218, 34818), (225, 34845), (227, 34863), (243, 34941), (252, 34974), (256, 34980),

Gene: Nigel_32 Start: 34065, Stop: 34670, Start Num: 91

Candidate Starts for Nigel_32:

(Start: 91 @34065 has 423 MA's), (103, 34101), (112, 34128), (114, 34143), (117, 34152), (135, 34221), (148, 34266), (150, 34272), (152, 34278), (158, 34308), (161, 34329), (191, 34419), (192, 34425), (194, 34440), (246, 34638), (251, 34656), (255, 34665),

Gene: Nigel_31 Start: 33421, Stop: 34068, Start Num: 67

Candidate Starts for Nigel_31:

(Start: 67 @33421 has 25 MA's), (105, 33499), (108, 33511), (126, 33583), (137, 33607), (143, 33628), (144, 33637), (145, 33640), (147, 33646), (148, 33649), (159, 33697), (170, 33751), (177, 33769), (194, 33829), (199, 33841), (225, 33925), (227, 33943), (246, 34030), (254, 34057),

Gene: Nozo_37 Start: 35688, Stop: 36287, Start Num: 91

Candidate Starts for Nozo_37:

(Start: 91 @35688 has 423 MA's), (103, 35718), (112, 35745), (131, 35832), (135, 35838), (154, 35901), (158, 35925), (161, 35946), (191, 36036), (212, 36120), (217, 36132), (230, 36192), (251, 36273),

Gene: Nozo_36 Start: 35038, Stop: 35691, Start Num: 85

Candidate Starts for Nozo_36:

(Start: 85 @35038 has 45 MA's), (112, 35119), (117, 35143), (149, 35266), (183, 35392), (190, 35407), (203, 35482), (244, 35647), (245, 35650), (252, 35677),

Gene: Numberten_37 Start: 34994, Stop: 35593, Start Num: 91

Candidate Starts for Numberten_37:

(27, 34790), (34, 34814), (44, 34856), (49, 34874), (53, 34889), (Start: 91 @34994 has 423 MA's), (103, 35024), (106, 35036), (117, 35075), (122, 35090), (135, 35144), (148, 35189), (150, 35195), (152, 35201), (154, 35207), (161, 35252), (162, 35255), (168, 35282), (191, 35342), (194, 35363), (219, 35441),

Gene: Numberten_36 Start: 34350, Stop: 34997, Start Num: 88

Candidate Starts for Numberten_36:

(42, 34200), (70, 34311), (Start: 84 @34347 has 90 MA's), (Start: 88 @34350 has 177 MA's), (Start: 115 @34431 has 1 MA's), (150, 34566), (168, 34653), (185, 34698), (200, 34776), (218, 34827), (225, 34854), (227, 34872), (243, 34950), (252, 34983), (256, 34989),

Gene: Nyala_36 Start: 34687, Stop: 35286, Start Num: 91

Candidate Starts for Nyala_36:

(27, 34483), (34, 34507), (44, 34549), (49, 34567), (53, 34582), (Start: 91 @34687 has 423 MA's), (103, 34717), (106, 34729), (117, 34768), (122, 34783), (135, 34837), (148, 34882), (150, 34888), (152, 34894), (154, 34900), (161, 34945), (162, 34948), (168, 34975), (191, 35035), (194, 35056), (219, 35134),

Gene: Nyala_35 Start: 34043, Stop: 34690, Start Num: 88

Candidate Starts for Nyala_35:

(42, 33893), (70, 34004), (Start: 84 @34040 has 90 MA's), (Start: 88 @34043 has 177 MA's), (Start: 115 @34124 has 1 MA's), (150, 34259), (168, 34346), (185, 34391), (200, 34469), (218, 34520), (225, 34547), (227, 34565), (243, 34643), (252, 34676), (256, 34682),

Gene: OSmaximus_37 Start: 35029, Stop: 35628, Start Num: 91

Candidate Starts for OSmaximus_37:

(27, 34825), (34, 34849), (44, 34891), (49, 34909), (53, 34924), (Start: 91 @35029 has 423 MA's), (103, 35059), (106, 35071), (117, 35110), (122, 35125), (135, 35179), (148, 35224), (150, 35230), (152, 35236), (154, 35242), (161, 35287), (162, 35290), (168, 35317), (191, 35377), (194, 35398),

(219, 35476),

Gene: OSmaximus_36 Start: 34382, Stop: 35032, Start Num: 84

Candidate Starts for OSmaximus_36:

(70, 34346), (Start: 84 @34382 has 90 MA's), (Start: 88 @34385 has 177 MA's), (Start: 115 @34466 has 1 MA's), (150, 34601), (168, 34688), (185, 34733), (200, 34811), (218, 34862), (225, 34889), (227, 34907), (243, 34985), (252, 35018), (256, 35024),

Gene: Obutu_36 Start: 34262, Stop: 34915, Start Num: 85

Candidate Starts for Obutu_36:

(Start: 85 @34262 has 45 MA's), (112, 34343), (117, 34367), (149, 34490), (183, 34616), (190, 34631), (203, 34706), (244, 34871), (252, 34901),

Gene: Obutu_37 Start: 34912, Stop: 35511, Start Num: 91

Candidate Starts for Obutu_37:

(26, 34708), (Start: 91 @34912 has 423 MA's), (103, 34942), (112, 34969), (131, 35056), (135, 35062), (154, 35125), (158, 35149), (191, 35260), (212, 35344), (217, 35356), (230, 35416), (245, 35476), (251, 35497),

Gene: Olak_35 Start: 34046, Stop: 34693, Start Num: 88

Candidate Starts for Olak_35:

(70, 34007), (Start: 84 @34043 has 90 MA's), (Start: 88 @34046 has 177 MA's), (Start: 115 @34127 has 1 MA's), (150, 34262), (168, 34349), (185, 34394), (200, 34472), (218, 34523), (225, 34550), (227, 34568), (243, 34646), (252, 34679), (256, 34685),

Gene: Olak_36 Start: 34690, Stop: 35289, Start Num: 91

Candidate Starts for Olak_36:

(27, 34486), (34, 34510), (44, 34552), (49, 34570), (53, 34585), (Start: 91 @34690 has 423 MA's), (103, 34720), (106, 34732), (117, 34771), (122, 34786), (135, 34840), (148, 34885), (150, 34891), (152, 34897), (154, 34903), (161, 34948), (162, 34951), (168, 34978), (191, 35038), (194, 35059), (219, 35137),

Gene: Oline_36 Start: 34556, Stop: 35155, Start Num: 91

Candidate Starts for Oline_36:

(26, 34349), (27, 34352), (34, 34376), (44, 34418), (49, 34436), (53, 34451), (Start: 91 @34556 has 423 MA's), (103, 34586), (106, 34598), (117, 34637), (122, 34652), (135, 34706), (148, 34751), (150, 34757), (152, 34763), (154, 34769), (161, 34814), (162, 34817), (168, 34844), (194, 34925), (212, 34988), (219, 35003),

Gene: Oline_35 Start: 33912, Stop: 34559, Start Num: 88

Candidate Starts for Oline_35:

(70, 33873), (Start: 84 @33909 has 90 MA's), (Start: 88 @33912 has 177 MA's), (Start: 115 @33993 has 1 MA's), (150, 34128), (168, 34215), (185, 34260), (199, 34329), (200, 34338), (218, 34389), (227, 34434), (243, 34512), (252, 34545), (256, 34551),

Gene: Olive_36 Start: 34333, Stop: 34980, Start Num: 88

Candidate Starts for Olive_36:

(42, 34183), (70, 34294), (Start: 84 @34330 has 90 MA's), (Start: 88 @34333 has 177 MA's), (Start: 115 @34414 has 1 MA's), (150, 34549), (168, 34636), (185, 34681), (200, 34759), (218, 34810), (225, 34837), (227, 34855), (243, 34933), (252, 34966), (256, 34972),

Gene: Olive_37 Start: 34977, Stop: 35576, Start Num: 91

Candidate Starts for Olive_37:

(27, 34773), (34, 34797), (44, 34839), (49, 34857), (53, 34872), (Start: 91 @34977 has 423 MA's), (103, 35007), (106, 35019), (117, 35058), (122, 35073), (135, 35127), (148, 35172), (150, 35178), (152, 35184), (154, 35190), (161, 35235), (162, 35238), (168, 35265), (191, 35325), (194, 35346),

Gene: OliverWalter_36 Start: 34355, Stop: 35002, Start Num: 88

Candidate Starts for OliverWalter_36:

(42, 34205), (70, 34316), (Start: 84 @34352 has 90 MA's), (Start: 88 @34355 has 177 MA's), (Start: 115 @34436 has 1 MA's), (150, 34571), (168, 34658), (185, 34703), (200, 34781), (218, 34832), (225, 34859), (227, 34877), (243, 34955), (252, 34988), (256, 34994),

Gene: OliverWalter_37 Start: 34999, Stop: 35598, Start Num: 91

Candidate Starts for OliverWalter_37:

(27, 34795), (34, 34819), (44, 34861), (49, 34879), (53, 34894), (Start: 91 @34999 has 423 MA's), (103, 35029), (106, 35041), (117, 35080), (122, 35095), (123, 35098), (135, 35149), (148, 35194), (150, 35200), (152, 35206), (154, 35212), (161, 35257), (162, 35260), (168, 35287), (191, 35347), (194, 35368), (219, 35446),

Gene: Olivio_35 Start: 34131, Stop: 34784, Start Num: 85

Candidate Starts for Olivio_35:

(Start: 85 @34131 has 45 MA's), (112, 34212), (149, 34359), (183, 34485), (190, 34500), (203, 34575), (244, 34740), (245, 34743), (252, 34770),

Gene: Olivio_36 Start: 34781, Stop: 35380, Start Num: 91

Candidate Starts for Olivio_36:

(Start: 91 @34781 has 423 MA's), (103, 34811), (112, 34838), (131, 34925), (135, 34931), (154, 34994), (158, 35018), (191, 35129), (212, 35213), (217, 35225), (230, 35285), (251, 35366),

Gene: Omniscient_36 Start: 34352, Stop: 34999, Start Num: 88

Candidate Starts for Omniscient_36:

(70, 34313), (Start: 84 @34349 has 90 MA's), (Start: 88 @34352 has 177 MA's), (Start: 115 @34433 has 1 MA's), (150, 34568), (168, 34655), (185, 34700), (200, 34778), (218, 34829), (225, 34856), (227, 34874), (243, 34952), (252, 34985), (256, 34991),

Gene: Omniscient_37 Start: 34996, Stop: 35595, Start Num: 91

Candidate Starts for Omniscient_37:

(27, 34792), (34, 34816), (44, 34858), (49, 34876), (53, 34891), (Start: 91 @34996 has 423 MA's), (103, 35026), (106, 35038), (117, 35077), (122, 35092), (135, 35146), (148, 35191), (150, 35197), (152, 35203), (154, 35209), (161, 35254), (162, 35257), (168, 35284), (191, 35344), (194, 35365), (219, 35443),

Gene: Oosterbaan_36 Start: 34343, Stop: 34990, Start Num: 88

Candidate Starts for Oosterbaan_36:

(70, 34304), (Start: 84 @34340 has 90 MA's), (Start: 88 @34343 has 177 MA's), (Start: 115 @34424 has 1 MA's), (150, 34559), (168, 34646), (185, 34691), (200, 34769), (218, 34820), (225, 34847), (227, 34865), (243, 34943), (252, 34976), (256, 34982),

Gene: Oosterbaan_37 Start: 34987, Stop: 35586, Start Num: 91

Candidate Starts for Oosterbaan_37:

(27, 34783), (34, 34807), (44, 34849), (49, 34867), (53, 34882), (Start: 91 @34987 has 423 MA's), (103, 35017), (106, 35029), (117, 35068), (122, 35083), (135, 35137), (148, 35182), (150, 35188), (152, 35194), (154, 35200), (161, 35245), (162, 35248), (168, 35275), (191, 35335), (194, 35356), (219, 35434),

Gene: Opia_38 Start: 35466, Stop: 36065, Start Num: 91

Candidate Starts for Opia_38:

(82, 35445), (Start: 91 @35466 has 423 MA's), (103, 35496), (109, 35517), (117, 35547), (118, 35550), (135, 35616), (150, 35667), (151, 35670), (152, 35673), (158, 35703), (161, 35724), (184, 35790), (192, 35820), (217, 35910), (219, 35913), (223, 35931), (227, 35955), (243, 36024), (251, 36051),

Gene: Opia_36 Start: 34676, Stop: 35320, Start Num: 86

Candidate Starts for Opia_36:

(37, 34511), (61, 34622), (Start: 86 @34676 has 45 MA's), (Start: 89 @34685 has 1 MA's), (112, 34754), (118, 34781), (121, 34790), (124, 34799), (150, 34907), (154, 34919), (181, 35012), (195, 35078), (200, 35099), (205, 35114), (207, 35120), (214, 35141), (220, 35153), (254, 35309),

Gene: OrangeOswald_36 Start: 34279, Stop: 34932, Start Num: 85

Candidate Starts for OrangeOswald_36:

(Start: 85 @34279 has 45 MA's), (112, 34360), (117, 34384), (149, 34507), (183, 34633), (190, 34648), (203, 34723), (244, 34888), (245, 34891), (252, 34918),

Gene: OrangeOswald_37 Start: 34929, Stop: 35528, Start Num: 91

Candidate Starts for OrangeOswald_37:

(Start: 91 @34929 has 423 MA's), (103, 34959), (112, 34986), (131, 35073), (135, 35079), (154, 35142), (158, 35166), (161, 35187), (191, 35277), (212, 35361), (217, 35373), (230, 35433), (251, 35514),

Gene: Orfeu_36 Start: 34695, Stop: 35294, Start Num: 91

Candidate Starts for Orfeu_36:

(27, 34491), (34, 34515), (44, 34557), (49, 34575), (53, 34590), (Start: 91 @34695 has 423 MA's), (103, 34725), (106, 34737), (117, 34776), (122, 34791), (135, 34845), (148, 34890), (150, 34896), (152, 34902), (154, 34908), (161, 34953), (162, 34956), (168, 34983), (191, 35043), (194, 35064), (219, 35142),

Gene: Orfeu_35 Start: 34051, Stop: 34698, Start Num: 88

Candidate Starts for Orfeu_35:

(70, 34012), (Start: 84 @34048 has 90 MA's), (Start: 88 @34051 has 177 MA's), (Start: 115 @34132 has 1 MA's), (150, 34267), (168, 34354), (185, 34399), (200, 34477), (218, 34528), (225, 34555), (227, 34573), (243, 34651), (252, 34684), (256, 34690),

Gene: Orion_36 Start: 34341, Stop: 34988, Start Num: 88

Candidate Starts for Orion_36:

(70, 34302), (Start: 84 @34338 has 90 MA's), (Start: 88 @34341 has 177 MA's), (Start: 115 @34422 has 1 MA's), (150, 34557), (168, 34644), (185, 34689), (200, 34767), (218, 34818), (225, 34845), (227, 34863), (243, 34941), (252, 34974), (256, 34980),

Gene: Orion_37 Start: 34985, Stop: 35584, Start Num: 91

Candidate Starts for Orion_37:

(27, 34781), (34, 34805), (44, 34847), (49, 34865), (53, 34880), (Start: 91 @34985 has 423 MA's), (103, 35015), (106, 35027), (117, 35066), (122, 35081), (135, 35135), (148, 35180), (150, 35186), (152, 35192), (154, 35198), (161, 35243), (162, 35246), (168, 35273), (191, 35333), (194, 35354), (219, 35432),

Gene: Orwigg_36 Start: 34683, Stop: 35282, Start Num: 91

Candidate Starts for Orwigg_36:

(27, 34479), (34, 34503), (44, 34545), (49, 34563), (53, 34578), (Start: 91 @34683 has 423 MA's), (103, 34713), (106, 34725), (117, 34764), (122, 34779), (135, 34833), (148, 34878), (150, 34884),

(152, 34890), (154, 34896), (161, 34941), (162, 34944), (168, 34971), (191, 35031), (194, 35052),

Gene: Orwigg_35 Start: 34039, Stop: 34686, Start Num: 88

Candidate Starts for Orwigg_35:

(42, 33889), (70, 34000), (Start: 84 @34036 has 90 MA's), (Start: 88 @34039 has 177 MA's), (Start: 115 @34120 has 1 MA's), (150, 34255), (168, 34342), (185, 34387), (200, 34465), (218, 34516), (225, 34543), (227, 34561), (243, 34639), (252, 34672), (256, 34678),

Gene: PG1_37 Start: 34998, Stop: 35597, Start Num: 91

Candidate Starts for PG1_37:

(27, 34794), (34, 34818), (44, 34860), (49, 34878), (53, 34893), (Start: 91 @34998 has 423 MA's), (103, 35028), (106, 35040), (117, 35079), (122, 35094), (135, 35148), (148, 35193), (150, 35199), (152, 35205), (154, 35211), (161, 35256), (162, 35259), (168, 35286), (191, 35346), (194, 35367), (219, 35445),

Gene: PG1_36 Start: 34354, Stop: 35001, Start Num: 88

Candidate Starts for PG1_36:

(70, 34315), (Start: 84 @34351 has 90 MA's), (Start: 88 @34354 has 177 MA's), (Start: 115 @34435 has 1 MA's), (150, 34570), (168, 34657), (185, 34702), (200, 34780), (218, 34831), (225, 34858), (227, 34876), (243, 34954), (252, 34987), (256, 34993),

Gene: PR_30 Start: 32778, Stop: 33377, Start Num: 91

Candidate Starts for PR_30:

(Start: 91 @32778 has 423 MA's), (103, 32808), (109, 32829), (112, 32835), (131, 32922), (135, 32928), (150, 32979), (154, 32991), (158, 33015), (161, 33036), (165, 33054), (171, 33072), (182, 33099), (225, 33249), (227, 33267), (245, 33342), (251, 33363),

Gene: PR_28 Start: 31984, Stop: 32628, Start Num: 86

Candidate Starts for PR_28:

(Start: 86 @31984 has 45 MA's), (93, 32002), (111, 32059), (121, 32098), (124, 32107), (136, 32164), (150, 32215), (152, 32221), (154, 32227), (169, 32302), (185, 32329), (195, 32386), (199, 32398), (207, 32428), (227, 32503), (242, 32575),

Gene: Pacifista_35 Start: 34045, Stop: 34692, Start Num: 88

Candidate Starts for Pacifista_35:

(70, 34006), (Start: 84 @34042 has 90 MA's), (Start: 88 @34045 has 177 MA's), (Start: 115 @34126 has 1 MA's), (150, 34261), (168, 34348), (185, 34393), (200, 34471), (218, 34522), (225, 34549), (227, 34567), (243, 34645), (252, 34678), (256, 34684),

Gene: Pacifista_36 Start: 34689, Stop: 35288, Start Num: 91

Candidate Starts for Pacifista_36:

(27, 34485), (34, 34509), (44, 34551), (49, 34569), (53, 34584), (Start: 91 @34689 has 423 MA's), (103, 34719), (106, 34731), (117, 34770), (122, 34785), (135, 34839), (148, 34884), (150, 34890), (152, 34896), (154, 34902), (161, 34947), (162, 34950), (168, 34977), (191, 35037), (194, 35058), (219, 35136),

Gene: PenguinLover67_39 Start: 36861, Stop: 37469, Start Num: 91

Candidate Starts for PenguinLover67_39:

(Start: 91 @36861 has 423 MA's), (103, 36891), (117, 36942), (131, 37005), (135, 37011), (161, 37119), (217, 37305), (219, 37308), (227, 37350), (233, 37374), (236, 37395), (246, 37437),

Gene: PenguinLover67_38 Start: 36256, Stop: 36864, Start Num: 104

Candidate Starts for PenguinLover67_38:

(32, 36019), (43, 36064), (50, 36088), (54, 36106), (58, 36127), (60, 36133), (63, 36151), (76, 36178), (79, 36184), (80, 36187), (Start: 90 @36217 has 18 MA's), (Start: 104 @36256 has 1 MA's), (112, 36280), (118, 36307), (136, 36382), (150, 36433), (161, 36490), (168, 36520), (183, 36562), (195, 36622), (214, 36685), (218, 36694), (254, 36853),

Gene: Phaedrus_34 Start: 34199, Stop: 34852, Start Num: 85

Candidate Starts for Phaedrus_34:

(Start: 85 @34199 has 45 MA's), (112, 34280), (149, 34427), (183, 34553), (190, 34568), (203, 34643), (244, 34808), (252, 34838),

Gene: Phaedrus_35 Start: 34849, Stop: 35448, Start Num: 91

Candidate Starts for Phaedrus_35:

(26, 34645), (Start: 91 @34849 has 423 MA's), (103, 34879), (112, 34906), (131, 34993), (135, 34999), (154, 35062), (158, 35086), (191, 35197), (212, 35281), (217, 35293), (230, 35353), (251, 35434),

Gene: Phamished_36 Start: 34346, Stop: 34996, Start Num: 84

Candidate Starts for Phamished_36:

(70, 34310), (Start: 84 @34346 has 90 MA's), (Start: 88 @34349 has 177 MA's), (Start: 115 @34430 has 1 MA's), (150, 34565), (168, 34652), (185, 34697), (200, 34775), (218, 34826), (225, 34853), (227, 34871), (243, 34949), (252, 34982), (256, 34988),

Gene: Phamished_37 Start: 34993, Stop: 35592, Start Num: 91

Candidate Starts for Phamished_37:

(27, 34789), (34, 34813), (44, 34855), (49, 34873), (53, 34888), (Start: 91 @34993 has 423 MA's), (103, 35023), (106, 35035), (117, 35074), (122, 35089), (135, 35143), (148, 35188), (150, 35194), (152, 35200), (154, 35206), (161, 35251), (162, 35254), (168, 35281), (191, 35341), (194, 35362), (219, 35440),

Gene: Phantasmagoria_36 Start: 34688, Stop: 35332, Start Num: 86

Candidate Starts for Phantasmagoria_36:

(10, 34319), (12, 34331), (19, 34430), (37, 34523), (61, 34634), (Start: 86 @34688 has 45 MA's), (Start: 89 @34697 has 1 MA's), (112, 34766), (118, 34793), (121, 34802), (150, 34919), (154, 34931), (181, 35024), (195, 35090), (200, 35111), (205, 35126), (207, 35132), (214, 35153), (220, 35165), (254, 35321),

Gene: Phantasmagoria_38 Start: 35478, Stop: 36077, Start Num: 91

Candidate Starts for Phantasmagoria_38:

(82, 35457), (Start: 91 @35478 has 423 MA's), (103, 35508), (109, 35529), (117, 35559), (118, 35562), (135, 35628), (150, 35679), (151, 35682), (152, 35685), (158, 35715), (161, 35736), (184, 35802), (192, 35832), (217, 35922), (219, 35925), (223, 35943), (227, 35967), (243, 36036), (251, 36063),

Gene: Phareon_36 Start: 34053, Stop: 34700, Start Num: 88

Candidate Starts for Phareon_36:

(70, 34014), (Start: 84 @34050 has 90 MA's), (Start: 88 @34053 has 177 MA's), (Start: 115 @34134 has 1 MA's), (150, 34269), (168, 34356), (185, 34401), (200, 34479), (218, 34530), (225, 34557), (227, 34575), (243, 34653), (252, 34686), (256, 34692),

Gene: Phareon_37 Start: 34697, Stop: 35296, Start Num: 91

Candidate Starts for Phareon_37:

(27, 34493), (34, 34517), (44, 34559), (49, 34577), (53, 34592), (Start: 91 @34697 has 423 MA's), (103, 34727), (106, 34739), (117, 34778), (122, 34793), (135, 34847), (148, 34892), (150, 34898), (152, 34904), (154, 34910), (161, 34955), (162, 34958), (168, 34985), (191, 35045), (194, 35066), (219, 35144),

Gene: PhatCats2014_37 Start: 35002, Stop: 35601, Start Num: 91

Candidate Starts for PhatCats2014_37:

(27, 34798), (34, 34822), (44, 34864), (49, 34882), (53, 34897), (Start: 91 @35002 has 423 MA's), (103, 35032), (106, 35044), (117, 35083), (122, 35098), (135, 35152), (148, 35197), (150, 35203), (152, 35209), (154, 35215), (161, 35260), (162, 35263), (168, 35290), (191, 35350), (194, 35371), (219, 35449),

Gene: PhatCats2014_36 Start: 34358, Stop: 35005, Start Num: 88

Candidate Starts for PhatCats2014_36:

(70, 34319), (Start: 84 @34355 has 90 MA's), (Start: 88 @34358 has 177 MA's), (Start: 115 @34439 has 1 MA's), (150, 34574), (168, 34661), (185, 34706), (200, 34784), (218, 34835), (225, 34862), (227, 34880), (243, 34958), (252, 34991), (256, 34997),

Gene: PhatLouie_37 Start: 34991, Stop: 35590, Start Num: 91

Candidate Starts for PhatLouie_37:

(26, 34784), (27, 34787), (34, 34811), (44, 34853), (49, 34871), (53, 34886), (Start: 91 @34991 has 423 MA's), (103, 35021), (106, 35033), (117, 35072), (122, 35087), (135, 35141), (148, 35186), (150, 35192), (152, 35198), (154, 35204), (161, 35249), (162, 35252), (168, 35279), (191, 35339), (194, 35360), (212, 35423), (219, 35438),

Gene: PhatLouie_36 Start: 34347, Stop: 34994, Start Num: 88

Candidate Starts for PhatLouie_36:

(70, 34308), (Start: 84 @34344 has 90 MA's), (Start: 88 @34347 has 177 MA's), (Start: 115 @34428 has 1 MA's), (150, 34563), (168, 34650), (185, 34695), (199, 34764), (200, 34773), (218, 34824), (227, 34869), (243, 34947), (252, 34980), (256, 34986),

Gene: Phayeta_38 Start: 34794, Stop: 35393, Start Num: 91

Candidate Starts for Phayeta_38:

(Start: 91 @34794 has 423 MA's), (103, 34824), (112, 34851), (131, 34938), (135, 34944), (154, 35007), (158, 35031), (161, 35052), (191, 35142), (212, 35226), (217, 35238), (230, 35298), (251, 35379),

Gene: Phayeta_37 Start: 34144, Stop: 34797, Start Num: 85

Candidate Starts for Phayeta_37:

(Start: 85 @34144 has 45 MA's), (112, 34225), (149, 34372), (183, 34498), (190, 34513), (203, 34588), (244, 34753), (252, 34783),

Gene: Phelemich_35 Start: 35233, Stop: 35862, Start Num: 90

Candidate Starts for Phelemich_35:

(Start: 90 @35233 has 18 MA's), (107, 35287), (118, 35323), (129, 35383), (137, 35404), (146, 35440), (149, 35449), (150, 35452), (152, 35458), (161, 35509), (181, 35557), (183, 35563), (227, 35737), (248, 35830), (254, 35851),

Gene: Phelemich_36 Start: 35859, Stop: 36470, Start Num: 91

Candidate Starts for Phelemich_36:

(33, 35682), (48, 35739), (53, 35754), (Start: 91 @35859 has 423 MA's), (103, 35892), (117, 35943), (131, 36006), (135, 36012), (150, 36063), (152, 36069), (154, 36075), (162, 36123), (210, 36288), (212, 36294), (219, 36309), (246, 36438), (251, 36456),

Gene: PhenghisKhan_36 Start: 34597, Stop: 35196, Start Num: 91

Candidate Starts for PhenghisKhan_36:

(26, 34390), (27, 34393), (34, 34417), (44, 34459), (49, 34477), (53, 34492), (Start: 91 @34597 has 423 MA's), (103, 34627), (106, 34639), (117, 34678), (122, 34693), (135, 34747), (148, 34792), (150, 34798), (152, 34804), (154, 34810), (161, 34855), (162, 34858), (168, 34885), (191, 34945), (194, 34966), (212, 35029), (219, 35044),

Gene: PhenghisKhan_35 Start: 33953, Stop: 34600, Start Num: 88

Candidate Starts for PhenghisKhan_35:

(70, 33914), (Start: 84 @33950 has 90 MA's), (Start: 88 @33953 has 177 MA's), (Start: 115 @34034 has 1 MA's), (150, 34169), (168, 34256), (185, 34301), (199, 34370), (200, 34379), (218, 34430), (227, 34475), (243, 34553), (252, 34586), (256, 34592),

Gene: Pherdinand_36 Start: 34349, Stop: 34996, Start Num: 88

Candidate Starts for Pherdinand_36:

(70, 34310), (Start: 84 @34346 has 90 MA's), (Start: 88 @34349 has 177 MA's), (Start: 115 @34430 has 1 MA's), (150, 34565), (168, 34652), (185, 34697), (200, 34775), (218, 34826), (225, 34853), (227, 34871), (243, 34949), (252, 34982), (256, 34988),

Gene: Pherdinand_37 Start: 34993, Stop: 35592, Start Num: 91

Candidate Starts for Pherdinand_37:

(27, 34789), (34, 34813), (44, 34855), (49, 34873), (53, 34888), (Start: 91 @34993 has 423 MA's), (103, 35023), (106, 35035), (117, 35074), (122, 35089), (135, 35143), (148, 35188), (150, 35194), (152, 35200), (154, 35206), (161, 35251), (162, 35254), (168, 35281), (191, 35341), (194, 35362), (219, 35440),

Gene: Phergie_35 Start: 33944, Stop: 34591, Start Num: 88

Candidate Starts for Phergie_35:

(70, 33905), (Start: 84 @33941 has 90 MA's), (Start: 88 @33944 has 177 MA's), (Start: 115 @34025 has 1 MA's), (150, 34160), (168, 34247), (185, 34292), (199, 34361), (200, 34370), (218, 34421), (227, 34466), (243, 34544), (252, 34577), (256, 34583),

Gene: Phergie_36 Start: 34588, Stop: 35187, Start Num: 91

Candidate Starts for Phergie_36:

(26, 34381), (27, 34384), (34, 34408), (44, 34450), (49, 34468), (53, 34483), (Start: 91 @34588 has 423 MA's), (103, 34618), (106, 34630), (117, 34669), (122, 34684), (135, 34738), (148, 34783), (150, 34789), (152, 34795), (154, 34801), (161, 34846), (162, 34849), (168, 34876), (191, 34936), (194, 34957), (212, 35020), (219, 35035),

Gene: Philly_36 Start: 34780, Stop: 35379, Start Num: 91

Candidate Starts for Philly_36:

(Start: 91 @34780 has 423 MA's), (103, 34810), (112, 34837), (131, 34924), (135, 34930), (154, 34993), (158, 35017), (161, 35038), (191, 35128), (212, 35212), (217, 35224), (230, 35284), (245, 35344), (251, 35365),

Gene: Philly_35 Start: 34130, Stop: 34783, Start Num: 85

Candidate Starts for Philly_35:

(Start: 85 @34130 has 45 MA's), (112, 34211), (117, 34235), (149, 34358), (183, 34484), (190, 34499), (203, 34574), (244, 34739), (252, 34769),

Gene: Phipps_36 Start: 34320, Stop: 34967, Start Num: 88

Candidate Starts for Phipps_36:

(42, 34170), (70, 34281), (Start: 84 @34317 has 90 MA's), (Start: 88 @34320 has 177 MA's), (Start: 115 @34401 has 1 MA's), (150, 34536), (168, 34623), (185, 34668), (200, 34746), (218, 34797), (225, 34824), (227, 34842), (243, 34920), (252, 34953), (256, 34959),

Gene: Phipps_37 Start: 34964, Stop: 35563, Start Num: 91

Candidate Starts for Phipps_37:

(27, 34760), (34, 34784), (44, 34826), (49, 34844), (53, 34859), (Start: 91 @34964 has 423 MA's), (103, 34994), (106, 35006), (117, 35045), (122, 35060), (135, 35114), (148, 35159), (150, 35165), (152, 35171), (154, 35177), (161, 35222), (162, 35225), (168, 35252), (191, 35312), (194, 35333), (219, 35411),

Gene: Phleuron_36 Start: 34594, Stop: 35193, Start Num: 91

Candidate Starts for Phleuron_36:

(26, 34387), (27, 34390), (34, 34414), (44, 34456), (49, 34474), (53, 34489), (Start: 91 @34594 has 423 MA's), (103, 34624), (106, 34636), (117, 34675), (122, 34690), (135, 34744), (148, 34789), (150, 34795), (152, 34801), (154, 34807), (161, 34852), (162, 34855), (168, 34882), (191, 34942), (194, 34963), (212, 35026), (219, 35041),

Gene: Phleuron_35 Start: 33950, Stop: 34597, Start Num: 88

Candidate Starts for Phleuron_35:

(70, 33911), (Start: 84 @33947 has 90 MA's), (Start: 88 @33950 has 177 MA's), (Start: 115 @34031 has 1 MA's), (150, 34166), (168, 34253), (185, 34298), (199, 34367), (200, 34376), (218, 34427), (227, 34472), (243, 34550), (252, 34583), (256, 34589),

Gene: Phlyer_37 Start: 35668, Stop: 36267, Start Num: 91

Candidate Starts for Phlyer_37:

(Start: 91 @35668 has 423 MA's), (103, 35698), (112, 35725), (131, 35812), (135, 35818), (154, 35881), (158, 35905), (161, 35926), (191, 36016), (212, 36100), (217, 36112), (230, 36172), (245, 36232), (251, 36253),

Gene: Phlyer_36 Start: 35018, Stop: 35671, Start Num: 85

Candidate Starts for Phlyer_36:

(Start: 85 @35018 has 45 MA's), (112, 35099), (117, 35123), (149, 35246), (183, 35372), (190, 35387), (203, 35462), (244, 35627), (252, 35657),

Gene: PhrankReynolds_36 Start: 34594, Stop: 35193, Start Num: 91

Candidate Starts for PhrankReynolds_36:

(26, 34387), (27, 34390), (34, 34414), (44, 34456), (49, 34474), (53, 34489), (Start: 91 @34594 has 423 MA's), (103, 34624), (106, 34636), (117, 34675), (122, 34690), (135, 34744), (148, 34789), (150, 34795), (152, 34801), (154, 34807), (161, 34852), (162, 34855), (168, 34882), (191, 34942), (194, 34963), (212, 35026), (219, 35041),

Gene: PhrankReynolds_35 Start: 33950, Stop: 34597, Start Num: 88

Candidate Starts for PhrankReynolds_35:

(70, 33911), (Start: 84 @33947 has 90 MA's), (Start: 88 @33950 has 177 MA's), (Start: 115 @34031 has 1 MA's), (150, 34166), (168, 34253), (185, 34298), (199, 34367), (200, 34376), (218, 34427), (227, 34472), (243, 34550), (252, 34583), (256, 34589),

Gene: PhrodoBaggins_35 Start: 34337, Stop: 34984, Start Num: 88

Candidate Starts for PhrodoBaggins_35:

(70, 34298), (Start: 84 @34334 has 90 MA's), (Start: 88 @34337 has 177 MA's), (Start: 115 @34418 has 1 MA's), (150, 34553), (168, 34640), (185, 34685), (200, 34763), (218, 34814), (225, 34841), (227, 34859), (243, 34937), (252, 34970), (256, 34976),

Gene: PhrodoBaggins_36 Start: 34981, Stop: 35580, Start Num: 91

Candidate Starts for PhrodoBaggins_36:

(27, 34777), (34, 34801), (44, 34843), (49, 34861), (53, 34876), (Start: 91 @34981 has 423 MA's), (103, 35011), (106, 35023), (117, 35062), (122, 35077), (135, 35131), (148, 35176), (150, 35182), (152, 35188), (154, 35194), (161, 35239), (162, 35242), (168, 35269), (191, 35329), (194, 35350), (219, 35428),

Gene: Phunky_37 Start: 34994, Stop: 35593, Start Num: 91

Candidate Starts for Phunky_37:

(27, 34790), (34, 34814), (44, 34856), (49, 34874), (53, 34889), (Start: 91 @34994 has 423 MA's), (103, 35024), (106, 35036), (117, 35075), (122, 35090), (135, 35144), (148, 35189), (150, 35195), (152, 35201), (154, 35207), (161, 35252), (162, 35255), (168, 35282), (191, 35342), (194, 35363), (219, 35441),

Gene: Phunky_36 Start: 34350, Stop: 34997, Start Num: 88

Candidate Starts for Phunky_36:

(70, 34311), (Start: 84 @34347 has 90 MA's), (Start: 88 @34350 has 177 MA's), (Start: 115 @34431 has 1 MA's), (150, 34566), (168, 34653), (185, 34698), (200, 34776), (218, 34827), (225, 34854), (227, 34872), (243, 34950), (252, 34983), (256, 34989),

Gene: Piglet_0035 Start: 34454, Stop: 35104, Start Num: 84

Candidate Starts for Piglet_0035:

(70, 34418), (Start: 84 @34454 has 90 MA's), (Start: 88 @34457 has 177 MA's), (Start: 115 @34538 has 1 MA's), (150, 34673), (168, 34760), (185, 34805), (200, 34883), (218, 34934), (225, 34961), (227, 34979), (243, 35057), (252, 35090), (256, 35096),

Gene: Piglet_0036 Start: 35101, Stop: 35700, Start Num: 91

Candidate Starts for Piglet_0036:

(26, 34894), (27, 34897), (34, 34921), (44, 34963), (49, 34981), (53, 34996), (Start: 91 @35101 has 423 MA's), (103, 35131), (106, 35143), (117, 35182), (122, 35197), (135, 35251), (148, 35296), (150, 35302), (152, 35308), (154, 35314), (161, 35359), (162, 35362), (168, 35389), (191, 35449), (194, 35470), (219, 35548),

Gene: Pine5_31 Start: 28838, Stop: 29461, Start Num: 87

Candidate Starts for Pine5_31:

(87, 28838), (109, 28904), (133, 29003), (153, 29069), (156, 29093), (200, 29252), (201, 29255), (224, 29321), (247, 29426),

Gene: Pine5_32 Start: 29465, Stop: 30058, Start Num: 89

Candidate Starts for Pine5_32:

(Start: 89 @29465 has 1 MA's), (112, 29531), (125, 29597), (153, 29684), (158, 29711), (160, 29729), (164, 29741), (165, 29750), (171, 29768), (173, 29777), (216, 29906), (217, 29909), (219, 29912), (227, 29954), (245, 30029), (250, 30047),

Gene: PinheadLarry_37 Start: 34707, Stop: 35306, Start Num: 91

Candidate Starts for PinheadLarry_37:

(27, 34503), (34, 34527), (44, 34569), (49, 34587), (53, 34602), (Start: 91 @34707 has 423 MA's), (103, 34737), (106, 34749), (117, 34788), (122, 34803), (135, 34857), (148, 34902), (150, 34908), (152, 34914), (154, 34920), (161, 34965), (162, 34968), (168, 34995), (191, 35055), (194, 35076), (212, 35139), (219, 35154),

Gene: PinheadLarry_36 Start: 34060, Stop: 34710, Start Num: 84

Candidate Starts for PinheadLarry_36:

(70, 34024), (Start: 84 @34060 has 90 MA's), (Start: 88 @34063 has 177 MA's), (Start: 115 @34144 has 1 MA's), (150, 34279), (168, 34366), (185, 34411), (200, 34489), (218, 34540), (225, 34567), (227,

34585), (243, 34663), (252, 34696), (256, 34702),

Gene: Pinkman_36 Start: 34550, Stop: 35149, Start Num: 91

Candidate Starts for Pinkman_36:

(26, 34343), (27, 34346), (34, 34370), (44, 34412), (49, 34430), (53, 34445), (Start: 91 @34550 has 423 MA's), (103, 34580), (106, 34592), (117, 34631), (122, 34646), (135, 34700), (148, 34745), (150, 34751), (152, 34757), (154, 34763), (161, 34808), (162, 34811), (168, 34838), (191, 34898), (194, 34919), (212, 34982), (219, 34997),

Gene: Pinkman_35 Start: 33906, Stop: 34553, Start Num: 88

Candidate Starts for Pinkman_35:

(70, 33867), (Start: 84 @33903 has 90 MA's), (Start: 88 @33906 has 177 MA's), (Start: 115 @33987 has 1 MA's), (150, 34122), (168, 34209), (185, 34254), (199, 34323), (200, 34332), (218, 34383), (227, 34428), (243, 34506), (252, 34539), (256, 34545),

Gene: Pipefish_38 Start: 35671, Stop: 36324, Start Num: 85

Candidate Starts for Pipefish_38:

(Start: 85 @35671 has 45 MA's), (112, 35752), (117, 35776), (149, 35899), (183, 36025), (190, 36040), (203, 36115), (244, 36280), (252, 36310),

Gene: Pipefish_39 Start: 36321, Stop: 36920, Start Num: 91

Candidate Starts for Pipefish_39:

(Start: 91 @36321 has 423 MA's), (103, 36351), (112, 36378), (131, 36465), (135, 36471), (154, 36534), (158, 36558), (161, 36579), (191, 36669), (212, 36753), (217, 36765), (230, 36825), (245, 36885), (251, 36906),

Gene: Pipsqueak_36 Start: 34348, Stop: 34995, Start Num: 88

Candidate Starts for Pipsqueak_36:

(42, 34198), (70, 34309), (Start: 84 @34345 has 90 MA's), (Start: 88 @34348 has 177 MA's), (Start: 115 @34429 has 1 MA's), (150, 34564), (168, 34651), (185, 34696), (200, 34774), (218, 34825), (225, 34852), (227, 34870), (243, 34948), (252, 34981), (256, 34987),

Gene: Pipsqueak_37 Start: 34992, Stop: 35591, Start Num: 91

Candidate Starts for Pipsqueak_37:

(27, 34788), (34, 34812), (44, 34854), (49, 34872), (53, 34887), (Start: 91 @34992 has 423 MA's), (103, 35022), (106, 35034), (117, 35073), (122, 35088), (135, 35142), (148, 35187), (150, 35193), (152, 35199), (154, 35205), (161, 35250), (162, 35253), (168, 35280), (191, 35340), (194, 35361), (219, 35439),

Gene: Placalicious_36 Start: 34685, Stop: 35284, Start Num: 91

Candidate Starts for Placalicious_36:

(27, 34481), (34, 34505), (44, 34547), (49, 34565), (53, 34580), (Start: 91 @34685 has 423 MA's), (103, 34715), (106, 34727), (117, 34766), (122, 34781), (135, 34835), (148, 34880), (150, 34886), (152, 34892), (154, 34898), (161, 34943), (162, 34946), (168, 34973), (191, 35033), (194, 35054), (219, 35132),

Gene: Placalicious_35 Start: 34041, Stop: 34688, Start Num: 88

Candidate Starts for Placalicious_35:

(70, 34002), (Start: 84 @34038 has 90 MA's), (Start: 88 @34041 has 177 MA's), (Start: 115 @34122 has 1 MA's), (150, 34257), (168, 34344), (185, 34389), (200, 34467), (218, 34518), (225, 34545), (227, 34563), (243, 34641), (252, 34674), (256, 34680),

Gene: Plata_37 Start: 34706, Stop: 35305, Start Num: 91

Candidate Starts for Plata_37:

(27, 34502), (34, 34526), (44, 34568), (49, 34586), (53, 34601), (Start: 91 @34706 has 423 MA's), (103, 34736), (106, 34748), (117, 34787), (122, 34802), (135, 34856), (148, 34901), (150, 34907), (152, 34913), (154, 34919), (161, 34964), (162, 34967), (168, 34994), (191, 35054), (194, 35075), (212, 35138), (219, 35153),

Gene: Plata_36 Start: 34062, Stop: 34709, Start Num: 88

Candidate Starts for Plata_36:

(42, 33912), (70, 34023), (Start: 84 @34059 has 90 MA's), (Start: 88 @34062 has 177 MA's), (Start: 115 @34143 has 1 MA's), (150, 34278), (168, 34365), (185, 34410), (200, 34488), (218, 34539), (227, 34584), (243, 34662), (252, 34695), (256, 34701),

Gene: Plmatters_37 Start: 34991, Stop: 35590, Start Num: 91

Candidate Starts for Plmatters_37:

(27, 34787), (34, 34811), (44, 34853), (49, 34871), (53, 34886), (Start: 91 @34991 has 423 MA's), (103, 35021), (106, 35033), (117, 35072), (122, 35087), (135, 35141), (148, 35186), (150, 35192), (152, 35198), (154, 35204), (161, 35249), (162, 35252), (168, 35279), (191, 35339), (194, 35360), (219, 35438),

Gene: Plmatters_36 Start: 34347, Stop: 34994, Start Num: 88

Candidate Starts for Plmatters_36:

(42, 34197), (70, 34308), (Start: 84 @34344 has 90 MA's), (Start: 88 @34347 has 177 MA's), (Start: 115 @34428 has 1 MA's), (150, 34563), (168, 34650), (185, 34695), (200, 34773), (218, 34824), (225, 34851), (227, 34869), (243, 34947), (252, 34980), (256, 34986),

Gene: Podrick_37 Start: 34982, Stop: 35581, Start Num: 91

Candidate Starts for Podrick_37:

(27, 34778), (34, 34802), (44, 34844), (49, 34862), (53, 34877), (Start: 91 @34982 has 423 MA's), (103, 35012), (106, 35024), (117, 35063), (122, 35078), (135, 35132), (148, 35177), (150, 35183), (152, 35189), (154, 35195), (161, 35240), (162, 35243), (168, 35270), (191, 35330), (194, 35351), (219, 35429),

Gene: Podrick_36 Start: 34338, Stop: 34985, Start Num: 88

Candidate Starts for Podrick_36:

(42, 34188), (70, 34299), (Start: 84 @34335 has 90 MA's), (Start: 88 @34338 has 177 MA's), (Start: 115 @34419 has 1 MA's), (150, 34554), (168, 34641), (185, 34686), (200, 34764), (218, 34815), (225, 34842), (227, 34860), (243, 34938), (252, 34971), (256, 34977),

Gene: Pops_36 Start: 34362, Stop: 35009, Start Num: 88

Candidate Starts for Pops_36:

(42, 34212), (70, 34323), (Start: 84 @34359 has 90 MA's), (Start: 88 @34362 has 177 MA's), (Start: 115 @34443 has 1 MA's), (150, 34578), (168, 34665), (185, 34710), (200, 34788), (218, 34839), (225, 34866), (227, 34884), (243, 34962), (252, 34995), (256, 35001),

Gene: Pops_37 Start: 35006, Stop: 35605, Start Num: 91

Candidate Starts for Pops_37:

(27, 34802), (34, 34826), (44, 34868), (49, 34886), (53, 34901), (Start: 91 @35006 has 423 MA's), (103, 35036), (106, 35048), (117, 35087), (122, 35102), (135, 35156), (148, 35201), (150, 35207), (152, 35213), (154, 35219), (161, 35264), (162, 35267), (168, 35294), (191, 35354), (194, 35375), (219, 35453),

Gene: Poster_33 Start: 34150, Stop: 34755, Start Num: 91

Candidate Starts for Poster_33:

(Start: 91 @34150 has 423 MA's), (103, 34186), (117, 34237), (118, 34240), (131, 34300), (135, 34306), (148, 34351), (151, 34360), (152, 34363), (153, 34366), (158, 34393), (168, 34444), (192, 34510), (194, 34525), (212, 34588), (227, 34645), (246, 34723), (251, 34741),

Gene: Poster_32 Start: 33506, Stop: 34153, Start Num: 67

Candidate Starts for Poster_32:

(Start: 67 @33506 has 25 MA's), (105, 33584), (108, 33596), (126, 33668), (137, 33692), (143, 33713), (144, 33722), (145, 33725), (148, 33734), (149, 33737), (159, 33782), (170, 33836), (177, 33854), (194, 33914), (199, 33926), (219, 33986), (225, 34010), (227, 34028), (246, 34115), (254, 34142),

Gene: Potter_36 Start: 34706, Stop: 35305, Start Num: 91

Candidate Starts for Potter_36:

(26, 34499), (27, 34502), (34, 34526), (44, 34568), (49, 34586), (53, 34601), (Start: 91 @34706 has 423 MA's), (103, 34736), (106, 34748), (117, 34787), (122, 34802), (135, 34856), (148, 34901), (150, 34907), (152, 34913), (154, 34919), (161, 34964), (162, 34967), (168, 34994), (191, 35054), (194, 35075), (219, 35153),

Gene: Potter_35 Start: 34062, Stop: 34709, Start Num: 88

Candidate Starts for Potter_35:

(70, 34023), (Start: 84 @34059 has 90 MA's), (Start: 88 @34062 has 177 MA's), (Start: 115 @34143 has 1 MA's), (150, 34278), (168, 34365), (185, 34410), (200, 34488), (218, 34539), (225, 34566), (227, 34584), (243, 34662), (252, 34695), (256, 34701),

Gene: Prickles_37 Start: 34982, Stop: 35581, Start Num: 91

Candidate Starts for Prickles_37:

(27, 34778), (34, 34802), (44, 34844), (49, 34862), (53, 34877), (Start: 91 @34982 has 423 MA's), (103, 35012), (106, 35024), (117, 35063), (122, 35078), (135, 35132), (148, 35177), (150, 35183), (152, 35189), (154, 35195), (161, 35240), (162, 35243), (168, 35270), (191, 35330), (194, 35351), (219, 35429),

Gene: Prickles_36 Start: 34338, Stop: 34985, Start Num: 88

Candidate Starts for Prickles_36:

(42, 34188), (70, 34299), (Start: 84 @34335 has 90 MA's), (Start: 88 @34338 has 177 MA's), (Start: 115 @34419 has 1 MA's), (150, 34554), (168, 34641), (185, 34686), (200, 34764), (218, 34815), (225, 34842), (227, 34860), (243, 34938), (252, 34971), (256, 34977),

Gene: Prince_33 Start: 34689, Stop: 35336, Start Num: 67

Candidate Starts for Prince_33:

(Start: 67 @34689 has 25 MA's), (105, 34767), (108, 34779), (126, 34851), (137, 34875), (143, 34896), (144, 34905), (145, 34908), (148, 34917), (149, 34920), (159, 34965), (170, 35019), (177, 35037), (194, 35097), (199, 35109), (219, 35169), (225, 35193), (227, 35211), (246, 35298), (254, 35325),

Gene: Prince_34 Start: 35333, Stop: 35938, Start Num: 91

Candidate Starts for Prince_34:

(Start: 91 @35333 has 423 MA's), (103, 35369), (112, 35396), (117, 35420), (118, 35423), (131, 35483), (135, 35489), (148, 35534), (151, 35543), (152, 35546), (153, 35549), (158, 35576), (161, 35597), (192, 35693), (194, 35708), (212, 35771), (227, 35828), (246, 35906), (251, 35924),

Gene: PrinceCharming_36 Start: 34795, Stop: 35439, Start Num: 86

Candidate Starts for PrinceCharming_36:

(37, 34630), (61, 34741), (Start: 86 @34795 has 45 MA's), (Start: 89 @34804 has 1 MA's), (112, 34873), (118, 34900), (121, 34909), (124, 34918), (150, 35026), (154, 35038), (181, 35131), (195, 35197), (200, 35218), (205, 35233), (207, 35239), (214, 35260), (220, 35272), (254, 35428),

Gene: PrinceCharming_38 Start: 35585, Stop: 36184, Start Num: 91

Candidate Starts for PrinceCharming_38:

(82, 35564), (Start: 91 @35585 has 423 MA's), (103, 35615), (109, 35636), (117, 35666), (118, 35669), (135, 35735), (150, 35786), (151, 35789), (152, 35792), (158, 35822), (161, 35843), (184, 35909), (192, 35939), (217, 36029), (219, 36032), (223, 36050), (227, 36074), (243, 36143), (251, 36170),

Gene: ProfessorX_37 Start: 34977, Stop: 35576, Start Num: 91

Candidate Starts for ProfessorX_37:

(27, 34773), (34, 34797), (44, 34839), (49, 34857), (53, 34872), (Start: 91 @34977 has 423 MA's), (103, 35007), (106, 35019), (117, 35058), (122, 35073), (135, 35127), (148, 35172), (150, 35178), (152, 35184), (154, 35190), (161, 35235), (162, 35238), (168, 35265), (191, 35325), (194, 35346),

Gene: ProfessorX_36 Start: 34333, Stop: 34980, Start Num: 88

Candidate Starts for ProfessorX_36:

(42, 34183), (70, 34294), (Start: 84 @34330 has 90 MA's), (Start: 88 @34333 has 177 MA's), (Start: 115 @34414 has 1 MA's), (150, 34549), (168, 34636), (185, 34681), (200, 34759), (218, 34810), (225, 34837), (227, 34855), (243, 34933), (252, 34966), (256, 34972),

Gene: Puhltonio_37 Start: 34998, Stop: 35597, Start Num: 91

Candidate Starts for Puhltonio_37:

(27, 34794), (34, 34818), (44, 34860), (49, 34878), (53, 34893), (Start: 91 @34998 has 423 MA's), (103, 35028), (106, 35040), (117, 35079), (122, 35094), (135, 35148), (148, 35193), (150, 35199), (152, 35205), (154, 35211), (161, 35256), (162, 35259), (168, 35286), (191, 35346), (194, 35367), (219, 35445),

Gene: Puhltonio_36 Start: 34351, Stop: 35001, Start Num: 84

Candidate Starts for Puhltonio_36:

(70, 34315), (Start: 84 @34351 has 90 MA's), (Start: 88 @34354 has 177 MA's), (Start: 115 @34435 has 1 MA's), (150, 34570), (168, 34657), (185, 34702), (200, 34780), (218, 34831), (225, 34858), (227, 34876), (243, 34954), (252, 34987), (256, 34993),

Gene: QueenBeane_37 Start: 34988, Stop: 35587, Start Num: 91

Candidate Starts for QueenBeane_37:

(27, 34784), (34, 34808), (44, 34850), (49, 34868), (53, 34883), (Start: 91 @34988 has 423 MA's), (103, 35018), (106, 35030), (117, 35069), (122, 35084), (135, 35138), (148, 35183), (150, 35189), (152, 35195), (154, 35201), (161, 35246), (162, 35249), (168, 35276), (191, 35336), (194, 35357), (219, 35435),

Gene: QueenBeane_36 Start: 34341, Stop: 34991, Start Num: 84

Candidate Starts for QueenBeane_36:

(70, 34305), (Start: 84 @34341 has 90 MA's), (Start: 88 @34344 has 177 MA's), (Start: 115 @34425 has 1 MA's), (150, 34560), (168, 34647), (185, 34692), (200, 34770), (218, 34821), (225, 34848), (227, 34866), (243, 34944), (252, 34977), (256, 34983),

Gene: QueenPie_32 Start: 34630, Stop: 35277, Start Num: 67

Candidate Starts for QueenPie_32:

(Start: 67 @34630 has 25 MA's), (105, 34708), (108, 34720), (126, 34792), (143, 34837), (144, 34846), (145, 34849), (148, 34858), (149, 34861), (159, 34906), (177, 34978), (194, 35038), (199, 35050), (219, 35110), (225, 35134), (227, 35152), (246, 35239), (247, 35242), (254, 35266),

Gene: QueenPie_33 Start: 35274, Stop: 35879, Start Num: 91

Candidate Starts for QueenPie_33:

(Start: 91 @35274 has 423 MA's), (103, 35310), (117, 35361), (118, 35364), (131, 35424), (135, 35430), (148, 35475), (151, 35484), (152, 35487), (153, 35490), (158, 35517), (161, 35538), (168, 35568), (192, 35634), (194, 35649), (212, 35712), (227, 35769), (246, 35847), (251, 35865),

Gene: Quesadilla_39 Start: 36872, Stop: 37483, Start Num: 92

Candidate Starts for Quesadilla_39:

(53, 36764), (Start: 92 @36872 has 5 MA's), (103, 36905), (112, 36932), (117, 36956), (131, 37019), (135, 37025), (152, 37082), (161, 37133), (162, 37136), (182, 37196), (194, 37244), (204, 37280), (212, 37307), (219, 37322), (227, 37364), (236, 37409),

Gene: Quesadilla_38 Start: 36243, Stop: 36872, Start Num: 99

Candidate Starts for Quesadilla_38:

(32, 36030), (43, 36075), (44, 36078), (50, 36099), (52, 36108), (58, 36138), (63, 36162), (75, 36186), (79, 36195), (Start: 90 @36228 has 18 MA's), (Start: 99 @36243 has 2 MA's), (101, 36249), (119, 36321), (121, 36327), (122, 36330), (152, 36450), (158, 36480), (161, 36501), (191, 36600), (254, 36861),

Gene: Quisquilliae_36 Start: 34372, Stop: 35019, Start Num: 88

Candidate Starts for Quisquilliae_36:

(42, 34222), (70, 34333), (Start: 84 @34369 has 90 MA's), (Start: 88 @34372 has 177 MA's), (Start: 115 @34453 has 1 MA's), (150, 34588), (168, 34675), (185, 34720), (200, 34798), (218, 34849), (225, 34876), (227, 34894), (243, 34972), (252, 35005), (256, 35011),

Gene: Quisquilliae_37 Start: 35016, Stop: 35615, Start Num: 91

Candidate Starts for Quisquilliae_37:

(27, 34812), (34, 34836), (44, 34878), (49, 34896), (53, 34911), (Start: 91 @35016 has 423 MA's), (103, 35046), (106, 35058), (117, 35097), (122, 35112), (135, 35166), (148, 35211), (150, 35217), (152, 35223), (154, 35229), (161, 35274), (162, 35277), (168, 35304), (191, 35364), (194, 35385), (219, 35463),

Gene: Qyrzula_35 Start: 35624, Stop: 36223, Start Num: 91

Candidate Starts for Qyrzula_35:

(82, 35603), (Start: 91 @35624 has 423 MA's), (103, 35654), (109, 35675), (117, 35705), (118, 35708), (135, 35774), (150, 35825), (151, 35828), (152, 35831), (158, 35861), (161, 35882), (184, 35948), (192, 35978), (217, 36068), (219, 36071), (223, 36089), (227, 36113), (243, 36182), (251, 36209),

Gene: Qyrzula_34 Start: 34834, Stop: 35478, Start Num: 86

Candidate Starts for Qyrzula_34:

(22, 34633), (Start: 86 @34834 has 45 MA's), (Start: 89 @34843 has 1 MA's), (112, 34912), (118, 34939), (121, 34948), (146, 35053), (150, 35065), (154, 35077), (181, 35170), (195, 35236), (200, 35257), (205, 35272), (207, 35278), (214, 35299), (220, 35311), (254, 35467),

Gene: RagingRooster_37 Start: 34930, Stop: 35529, Start Num: 91

Candidate Starts for RagingRooster_37:

(Start: 91 @34930 has 423 MA's), (103, 34960), (112, 34987), (131, 35074), (154, 35143), (158, 35167), (161, 35188), (191, 35278), (212, 35362), (217, 35374), (230, 35434), (245, 35494), (251, 35515),

Gene: RagingRooster_36 Start: 34280, Stop: 34933, Start Num: 85

Candidate Starts for RagingRooster_36:

(Start: 85 @34280 has 45 MA's), (112, 34361), (117, 34385), (149, 34508), (183, 34634), (190, 34649), (203, 34724), (244, 34889), (245, 34892), (252, 34919),

Gene: RawrgerThat_34 Start: 35178, Stop: 35783, Start Num: 91

Candidate Starts for RawrgerThat_34:

(Start: 91 @35178 has 423 MA's), (103, 35214), (112, 35241), (117, 35265), (118, 35268), (131, 35328), (135, 35334), (148, 35379), (151, 35388), (152, 35391), (153, 35394), (158, 35421), (161, 35442), (168, 35472), (192, 35538), (194, 35553), (212, 35616), (227, 35673), (246, 35751), (251, 35769),

Gene: RawrgerThat_33 Start: 34534, Stop: 35181, Start Num: 67

Candidate Starts for RawrgerThat_33:

(Start: 67 @34534 has 25 MA's), (105, 34612), (108, 34624), (126, 34696), (144, 34750), (145, 34753), (148, 34762), (159, 34810), (170, 34864), (177, 34882), (194, 34942), (199, 34954), (225, 35038), (227, 35056), (246, 35143), (247, 35146), (254, 35170),

Gene: RedMaple_36 Start: 34995, Stop: 35594, Start Num: 91

Candidate Starts for RedMaple_36:

(27, 34791), (34, 34815), (44, 34857), (49, 34875), (53, 34890), (Start: 91 @34995 has 423 MA's), (103, 35025), (106, 35037), (117, 35076), (122, 35091), (135, 35145), (148, 35190), (150, 35196), (152, 35202), (154, 35208), (161, 35253), (162, 35256), (168, 35283), (191, 35343), (194, 35364), (219, 35442),

Gene: RedMaple_35 Start: 34351, Stop: 34998, Start Num: 88

Candidate Starts for RedMaple_35:

(42, 34201), (70, 34312), (Start: 84 @34348 has 90 MA's), (Start: 88 @34351 has 177 MA's), (Start: 115 @34432 has 1 MA's), (150, 34567), (168, 34654), (185, 34699), (200, 34777), (218, 34828), (225, 34855), (227, 34873), (243, 34951), (252, 34984), (256, 34990),

Gene: Reprobate_36 Start: 35864, Stop: 36475, Start Num: 91

Candidate Starts for Reprobate_36:

(33, 35687), (48, 35744), (53, 35759), (Start: 91 @35864 has 423 MA's), (103, 35897), (117, 35948), (131, 36011), (135, 36017), (150, 36068), (152, 36074), (154, 36080), (162, 36128), (210, 36293), (212, 36299), (219, 36314), (246, 36443), (251, 36461),

Gene: Reprobate_35 Start: 35238, Stop: 35867, Start Num: 90

Candidate Starts for Reprobate_35:

(Start: 90 @35238 has 18 MA's), (107, 35292), (118, 35328), (129, 35388), (137, 35409), (146, 35445), (149, 35454), (150, 35457), (152, 35463), (161, 35514), (181, 35562), (183, 35568), (227, 35742), (248, 35835), (254, 35856),

Gene: Rhinoforte_38 Start: 35587, Stop: 36186, Start Num: 91

Candidate Starts for Rhinoforte_38:

(82, 35566), (Start: 91 @35587 has 423 MA's), (103, 35617), (109, 35638), (117, 35668), (118, 35671), (135, 35737), (150, 35788), (151, 35791), (152, 35794), (158, 35824), (161, 35845), (184, 35911), (192, 35941), (217, 36031), (219, 36034), (223, 36052), (227, 36076), (243, 36145), (251, 36172),

Gene: Rhinoforte_36 Start: 34797, Stop: 35441, Start Num: 86

Candidate Starts for Rhinoforte_36:

(37, 34632), (61, 34743), (Start: 86 @34797 has 45 MA's), (Start: 89 @34806 has 1 MA's), (112, 34875), (118, 34902), (121, 34911), (124, 34920), (150, 35028), (154, 35040), (181, 35133), (195, 35199), (200, 35220), (205, 35235), (207, 35241), (214, 35262), (220, 35274), (254, 35430),

Gene: Rich_34 Start: 34744, Stop: 35373, Start Num: 90

Candidate Starts for Rich_34:

(Start: 90 @34744 has 18 MA's), (114, 34822), (118, 34834), (129, 34894), (149, 34960), (152, 34969), (154, 34975), (161, 35020), (181, 35068), (183, 35074), (227, 35248), (248, 35341), (254, 35362),

Gene: Rich_35 Start: 35480, Stop: 36088, Start Num: 91

Candidate Starts for Rich_35:

(Start: 91 @35480 has 423 MA's), (103, 35510), (135, 35630), (141, 35645), (150, 35681), (152, 35687), (154, 35693), (162, 35741), (210, 35906), (212, 35912), (236, 36014), (246, 36056), (251, 36074),

Gene: Ricotta_35 Start: 34070, Stop: 34717, Start Num: 88

Candidate Starts for Ricotta_35:

(70, 34031), (Start: 84 @34067 has 90 MA's), (Start: 88 @34070 has 177 MA's), (Start: 115 @34151 has 1 MA's), (150, 34286), (168, 34373), (185, 34418), (200, 34496), (218, 34547), (225, 34574), (227, 34592), (243, 34670), (252, 34703), (256, 34709),

Gene: Ricotta_36 Start: 34714, Stop: 35313, Start Num: 91

Candidate Starts for Ricotta_36:

(27, 34510), (34, 34534), (44, 34576), (49, 34594), (53, 34609), (Start: 91 @34714 has 423 MA's), (103, 34744), (106, 34756), (117, 34795), (122, 34810), (135, 34864), (148, 34909), (150, 34915), (152, 34921), (154, 34927), (161, 34972), (162, 34975), (168, 35002), (191, 35062), (194, 35083), (219, 35161),

Gene: Riggan_36 Start: 34328, Stop: 34978, Start Num: 84

Candidate Starts for Riggan_36:

(42, 34181), (70, 34292), (Start: 84 @34328 has 90 MA's), (Start: 88 @34331 has 177 MA's), (Start: 115 @34412 has 1 MA's), (150, 34547), (168, 34634), (185, 34679), (200, 34757), (218, 34808), (225, 34835), (227, 34853), (243, 34931), (252, 34964), (256, 34970),

Gene: Riggan_37 Start: 34975, Stop: 35574, Start Num: 91

Candidate Starts for Riggan_37:

(27, 34771), (34, 34795), (44, 34837), (49, 34855), (53, 34870), (Start: 91 @34975 has 423 MA's), (103, 35005), (117, 35056), (122, 35071), (135, 35125), (148, 35170), (150, 35176), (152, 35182), (154, 35188), (161, 35233), (162, 35236), (168, 35263), (191, 35323), (194, 35344), (219, 35422),

Gene: Rimu_37 Start: 34080, Stop: 34727, Start Num: 88

Candidate Starts for Rimu_37:

(70, 34041), (Start: 84 @34077 has 90 MA's), (Start: 88 @34080 has 177 MA's), (Start: 115 @34161 has 1 MA's), (150, 34296), (168, 34383), (185, 34428), (199, 34497), (200, 34506), (218, 34557), (227, 34602), (243, 34680), (252, 34713), (256, 34719),

Gene: Rimu_38 Start: 34724, Stop: 35323, Start Num: 91

Candidate Starts for Rimu_38:

(26, 34517), (27, 34520), (34, 34544), (44, 34586), (49, 34604), (53, 34619), (Start: 91 @34724 has 423 MA's), (103, 34754), (106, 34766), (117, 34805), (122, 34820), (135, 34874), (148, 34919), (150, 34925), (152, 34931), (154, 34937), (161, 34982), (162, 34985), (168, 35012), (191, 35072), (194, 35093), (212, 35156), (219, 35171),

Gene: Rinkes_38 Start: 36444, Stop: 37049, Start Num: 91

Candidate Starts for Rinkes_38:

(65, 36390), (Start: 91 @36444 has 423 MA's), (96, 36450), (103, 36474), (106, 36486), (112, 36501), (114, 36516), (117, 36525), (131, 36588), (135, 36594), (148, 36639), (150, 36645), (152, 36651), (156, 36675), (158, 36681), (161, 36702), (182, 36765), (217, 36888), (219, 36891), (227, 36933), (233, 36957), (236, 36978), (245, 37017), (246, 37020), (248, 37026), (251, 37038),

Gene: Rinkes_37 Start: 35800, Stop: 36447, Start Num: 90

Candidate Starts for Rinkes_37:

(83, 35779), (Start: 90 @35800 has 18 MA's), (114, 35875), (119, 35893), (121, 35899), (134, 35962), (146, 36004), (149, 36013), (150, 36016), (152, 36022), (176, 36133), (195, 36208), (218, 36280), (227, 36322), (247, 36412), (252, 36433), (254, 36436),

Gene: Rita130_36 Start: 35586, Stop: 36194, Start Num: 91

Candidate Starts for Rita130_36:

(15, 35253), (25, 35385), (33, 35409), (48, 35466), (Start: 91 @35586 has 423 MA's), (103, 35616), (127, 35715), (131, 35730), (135, 35736), (141, 35751), (150, 35787), (152, 35793), (154, 35799), (162, 35847), (212, 36018), (215, 36024), (246, 36162), (251, 36180),

Gene: Rita130_35 Start: 34960, Stop: 35589, Start Num: 90

Candidate Starts for Rita130_35:

(Start: 90 @34960 has 18 MA's), (114, 35038), (118, 35050), (129, 35110), (149, 35176), (152, 35185), (154, 35191), (161, 35236), (181, 35284), (183, 35290), (227, 35464), (254, 35578),

Gene: Rita1961_37 Start: 34913, Stop: 35512, Start Num: 91

Candidate Starts for Rita1961_37:

(26, 34709), (Start: 91 @34913 has 423 MA's), (103, 34943), (112, 34970), (131, 35057), (135, 35063), (154, 35126), (158, 35150), (191, 35261), (212, 35345), (217, 35357), (230, 35417), (251, 35498),

Gene: Rita1961_36 Start: 34263, Stop: 34916, Start Num: 85

Candidate Starts for Rita1961_36:

(Start: 85 @34263 has 45 MA's), (112, 34344), (117, 34368), (149, 34491), (183, 34617), (190, 34632), (203, 34707), (244, 34872), (252, 34902),

Gene: Riverton_35 Start: 34352, Stop: 34999, Start Num: 88

Candidate Starts for Riverton_35:

(42, 34202), (70, 34313), (Start: 84 @34349 has 90 MA's), (Start: 88 @34352 has 177 MA's), (Start: 115 @34433 has 1 MA's), (150, 34568), (168, 34655), (185, 34700), (200, 34778), (218, 34829), (225, 34856), (227, 34874), (243, 34952), (252, 34985), (256, 34991),

Gene: Riverton_36 Start: 34996, Stop: 35595, Start Num: 91

Candidate Starts for Riverton_36:

(27, 34792), (34, 34816), (44, 34858), (49, 34876), (53, 34891), (Start: 91 @34996 has 423 MA's), (103, 35026), (106, 35038), (117, 35077), (122, 35092), (135, 35146), (148, 35191), (150, 35197), (152, 35203), (154, 35209), (161, 35254), (162, 35257), (168, 35284), (191, 35344), (194, 35365), (219, 35443),

Gene: Robyn_35 Start: 33915, Stop: 34562, Start Num: 88

Candidate Starts for Robyn_35:

(42, 33765), (70, 33876), (Start: 84 @33912 has 90 MA's), (Start: 88 @33915 has 177 MA's), (Start: 115 @33996 has 1 MA's), (150, 34131), (168, 34218), (185, 34263), (200, 34341), (218, 34392), (225, 34419), (227, 34437), (243, 34515), (252, 34548), (256, 34554),

Gene: Robyn_36 Start: 34559, Stop: 35158, Start Num: 91

Candidate Starts for Robyn_36:

(27, 34355), (34, 34379), (44, 34421), (49, 34439), (53, 34454), (Start: 91 @34559 has 423 MA's), (103, 34589), (106, 34601), (117, 34640), (122, 34655), (135, 34709), (148, 34754), (150, 34760), (152, 34766), (154, 34772), (161, 34817), (162, 34820), (168, 34847), (191, 34907), (194, 34928), (219, 35006),

Gene: Roliet_37 Start: 34984, Stop: 35583, Start Num: 91

Candidate Starts for Roliet_37:

(27, 34780), (34, 34804), (44, 34846), (49, 34864), (53, 34879), (Start: 91 @34984 has 423 MA's), (103, 35014), (106, 35026), (117, 35065), (122, 35080), (135, 35134), (148, 35179), (150, 35185), (152, 35191), (154, 35197), (161, 35242), (162, 35245), (168, 35272), (191, 35332), (194, 35353), (219, 35431),

Gene: Roliet_36 Start: 34337, Stop: 34987, Start Num: 84

Candidate Starts for Roliet_36:

(42, 34190), (70, 34301), (Start: 84 @34337 has 90 MA's), (Start: 88 @34340 has 177 MA's), (Start: 115 @34421 has 1 MA's), (150, 34556), (168, 34643), (185, 34688), (200, 34766), (218, 34817), (225, 34844), (227, 34862), (243, 34940), (252, 34973), (256, 34979),

Gene: RomaT_36 Start: 35053, Stop: 35706, Start Num: 85

Candidate Starts for RomaT_36:

(Start: 85 @35053 has 45 MA's), (112, 35134), (117, 35158), (149, 35281), (183, 35407), (190, 35422), (203, 35497), (244, 35662),

Gene: RomaT_37 Start: 35703, Stop: 36302, Start Num: 91

Candidate Starts for RomaT_37:

(Start: 91 @35703 has 423 MA's), (103, 35733), (112, 35760), (131, 35847), (135, 35853), (154, 35916), (158, 35940), (161, 35961), (191, 36051), (212, 36135), (217, 36147), (230, 36207), (245, 36267), (251, 36288),

Gene: Roscoe_37 Start: 34578, Stop: 35225, Start Num: 88

Candidate Starts for Roscoe_37:

(42, 34428), (70, 34539), (Start: 84 @34575 has 90 MA's), (Start: 88 @34578 has 177 MA's), (Start: 115 @34659 has 1 MA's), (150, 34794), (168, 34881), (185, 34926), (200, 35004), (218, 35055), (225, 35082), (227, 35100), (243, 35178), (252, 35211), (256, 35217),

Gene: Roscoe_38 Start: 35222, Stop: 35821, Start Num: 91

Candidate Starts for Roscoe_38:

(27, 35018), (34, 35042), (44, 35084), (49, 35102), (53, 35117), (Start: 91 @35222 has 423 MA's), (103, 35252), (106, 35264), (117, 35303), (122, 35318), (135, 35372), (148, 35417), (150, 35423), (152, 35429), (154, 35435), (161, 35480), (162, 35483), (168, 35510), (191, 35570), (194, 35591),

Gene: Rosebush_37 Start: 35594, Stop: 36193, Start Num: 91

Candidate Starts for Rosebush_37:

(82, 35573), (Start: 91 @35594 has 423 MA's), (103, 35624), (109, 35645), (117, 35675), (118, 35678), (135, 35744), (150, 35795), (151, 35798), (152, 35801), (158, 35831), (161, 35852), (184, 35918), (192, 35948), (217, 36038), (219, 36041), (223, 36059), (227, 36083), (243, 36152), (251, 36179),

Gene: Rosebush_36 Start: 34804, Stop: 35448, Start Num: 86

Candidate Starts for Rosebush_36:

(37, 34639), (61, 34750), (Start: 86 @34804 has 45 MA's), (Start: 89 @34813 has 1 MA's), (112, 34882), (118, 34909), (121, 34918), (124, 34927), (150, 35035), (154, 35047), (181, 35140), (195, 35206), (200, 35227), (205, 35242), (207, 35248), (214, 35269), (220, 35281), (254, 35437),

Gene: Roy17_37 Start: 34688, Stop: 35287, Start Num: 91

Candidate Starts for Roy17_37:

(27, 34484), (34, 34508), (44, 34550), (49, 34568), (53, 34583), (Start: 91 @34688 has 423 MA's), (103, 34718), (106, 34730), (117, 34769), (122, 34784), (135, 34838), (148, 34883), (150, 34889),

(152, 34895), (154, 34901), (161, 34946), (162, 34949), (168, 34976), (191, 35036), (194, 35057),

Gene: Roy17_36 Start: 34044, Stop: 34691, Start Num: 88

Candidate Starts for Roy17_36:

(42, 33894), (70, 34005), (Start: 84 @34041 has 90 MA's), (Start: 88 @34044 has 177 MA's), (Start: 115 @34125 has 1 MA's), (150, 34260), (168, 34347), (185, 34392), (200, 34470), (218, 34521), (225, 34548), (227, 34566), (243, 34644), (252, 34677), (256, 34683),

Gene: SDcharge11_37 Start: 34962, Stop: 35561, Start Num: 91

Candidate Starts for SDcharge11_37:

(27, 34758), (34, 34782), (44, 34824), (49, 34842), (53, 34857), (Start: 91 @34962 has 423 MA's), (103, 34992), (106, 35004), (117, 35043), (122, 35058), (135, 35112), (148, 35157), (150, 35163), (152, 35169), (154, 35175), (161, 35220), (162, 35223), (168, 35250), (191, 35310), (194, 35331), (219, 35409),

Gene: SDcharge11_36 Start: 34315, Stop: 34965, Start Num: 84

Candidate Starts for SDcharge11_36:

(42, 34168), (70, 34279), (Start: 84 @34315 has 90 MA's), (Start: 88 @34318 has 177 MA's), (Start: 115 @34399 has 1 MA's), (150, 34534), (168, 34621), (185, 34666), (200, 34744), (218, 34795), (225, 34822), (227, 34840), (243, 34918), (252, 34951), (256, 34957),

Gene: Sabella_37 Start: 35471, Stop: 36070, Start Num: 91

Candidate Starts for Sabella_37:

(82, 35450), (Start: 91 @35471 has 423 MA's), (103, 35501), (109, 35522), (117, 35552), (118, 35555), (135, 35621), (150, 35672), (151, 35675), (152, 35678), (158, 35708), (161, 35729), (184, 35795), (192, 35825), (217, 35915), (219, 35918), (223, 35936), (227, 35960), (243, 36029), (251, 36056),

Gene: Sabella_36 Start: 34681, Stop: 35325, Start Num: 86

Candidate Starts for Sabella_36:

(37, 34516), (61, 34627), (Start: 86 @34681 has 45 MA's), (Start: 89 @34690 has 1 MA's), (112, 34759), (118, 34786), (121, 34795), (124, 34804), (150, 34912), (154, 34924), (181, 35017), (195, 35083), (200, 35104), (205, 35119), (207, 35125), (214, 35146), (220, 35158), (254, 35314),

Gene: Saguaro_37 Start: 35881, Stop: 36525, Start Num: 90

Candidate Starts for Saguaro_37:

(Start: 84 @35872 has 90 MA's), (Start: 90 @35881 has 18 MA's), (Start: 99 @35896 has 2 MA's), (102, 35914), (114, 35959), (121, 35980), (141, 36061), (150, 36097), (161, 36154), (181, 36220), (183, 36226), (195, 36286), (249, 36499), (254, 36514),

Gene: Saguaro_38 Start: 36522, Stop: 37121, Start Num: 91

Candidate Starts for Saguaro_38:

(8, 36129), (27, 36321), (34, 36345), (65, 36468), (Start: 91 @36522 has 423 MA's), (103, 36552), (114, 36594), (131, 36666), (135, 36672), (150, 36723), (152, 36729), (154, 36735), (161, 36780), (162, 36783), (212, 36954), (217, 36966), (219, 36969),

Gene: Samaymay_36 Start: 34344, Stop: 34991, Start Num: 88

Candidate Starts for Samaymay_36:

(70, 34305), (Start: 84 @34341 has 90 MA's), (Start: 88 @34344 has 177 MA's), (Start: 115 @34425 has 1 MA's), (150, 34560), (168, 34647), (185, 34692), (200, 34770), (218, 34821), (225, 34848), (227, 34866), (243, 34944), (252, 34977), (256, 34983),

Gene: Samaymay_37 Start: 34988, Stop: 35587, Start Num: 91

Candidate Starts for Samaymay_37:

(27, 34784), (34, 34808), (44, 34850), (49, 34868), (53, 34883), (Start: 91 @34988 has 423 MA's), (103, 35018), (106, 35030), (117, 35069), (122, 35084), (135, 35138), (148, 35183), (150, 35189), (152, 35195), (154, 35201), (161, 35246), (162, 35249), (168, 35276), (191, 35336), (194, 35357), (219, 35435),

Gene: SassyCat97_36 Start: 34694, Stop: 35293, Start Num: 91

Candidate Starts for SassyCat97_36:

(27, 34490), (34, 34514), (44, 34556), (49, 34574), (53, 34589), (Start: 91 @34694 has 423 MA's), (103, 34724), (106, 34736), (117, 34775), (122, 34790), (135, 34844), (148, 34889), (150, 34895), (152, 34901), (154, 34907), (161, 34952), (162, 34955), (168, 34982), (191, 35042), (194, 35063), (219, 35141),

Gene: SassyCat97_35 Start: 34050, Stop: 34697, Start Num: 88

Candidate Starts for SassyCat97_35:

(70, 34011), (Start: 84 @34047 has 90 MA's), (Start: 88 @34050 has 177 MA's), (Start: 115 @34131 has 1 MA's), (150, 34266), (168, 34353), (185, 34398), (200, 34476), (218, 34527), (225, 34554), (227, 34572), (243, 34650), (252, 34683), (256, 34689),

Gene: Schadenfreude_36 Start: 34545, Stop: 35144, Start Num: 91

Candidate Starts for Schadenfreude_36:

(27, 34341), (34, 34365), (44, 34407), (49, 34425), (53, 34440), (Start: 91 @34545 has 423 MA's), (103, 34575), (106, 34587), (117, 34626), (122, 34641), (135, 34695), (148, 34740), (150, 34746), (152, 34752), (154, 34758), (161, 34803), (162, 34806), (168, 34833), (191, 34893), (194, 34914), (219, 34992),

Gene: Schadenfreude_35 Start: 33901, Stop: 34548, Start Num: 88

Candidate Starts for Schadenfreude_35:

(42, 33751), (70, 33862), (Start: 84 @33898 has 90 MA's), (Start: 88 @33901 has 177 MA's), (Start: 115 @33982 has 1 MA's), (150, 34117), (168, 34204), (185, 34249), (200, 34327), (218, 34378), (225, 34405), (227, 34423), (243, 34501), (252, 34534), (256, 34540),

Gene: Schueller_36 Start: 34710, Stop: 35309, Start Num: 91

Candidate Starts for Schueller_36:

(26, 34503), (27, 34506), (34, 34530), (44, 34572), (49, 34590), (53, 34605), (Start: 91 @34710 has 423 MA's), (103, 34740), (106, 34752), (117, 34791), (122, 34806), (135, 34860), (148, 34905), (150, 34911), (152, 34917), (154, 34923), (161, 34968), (162, 34971), (168, 34998), (191, 35058), (194, 35079), (212, 35142), (219, 35157),

Gene: Schueller_35 Start: 34066, Stop: 34713, Start Num: 88

Candidate Starts for Schueller_35:

(70, 34027), (Start: 84 @34063 has 90 MA's), (Start: 88 @34066 has 177 MA's), (Start: 115 @34147 has 1 MA's), (150, 34282), (168, 34369), (185, 34414), (200, 34492), (218, 34543), (225, 34570), (227, 34588), (243, 34666), (252, 34699), (256, 34705),

Gene: Scoot17C_37 Start: 34987, Stop: 35586, Start Num: 91

Candidate Starts for Scoot17C_37:

(27, 34783), (34, 34807), (44, 34849), (49, 34867), (53, 34882), (Start: 91 @34987 has 423 MA's), (103, 35017), (106, 35029), (117, 35068), (122, 35083), (135, 35137), (148, 35182), (150, 35188), (152, 35194), (154, 35200), (161, 35245), (162, 35248), (168, 35275), (191, 35335), (194, 35356), (219, 35434),

Gene: Scoot17C_36 Start: 34340, Stop: 34990, Start Num: 84

Candidate Starts for Scoot17C_36:

(70, 34304), (Start: 84 @34340 has 90 MA's), (Start: 88 @34343 has 177 MA's), (Start: 115 @34424 has 1 MA's), (150, 34559), (168, 34646), (185, 34691), (200, 34769), (218, 34820), (225, 34847), (227, 34865), (243, 34943), (252, 34976), (256, 34982),

Gene: Scrick_37 Start: 34712, Stop: 35311, Start Num: 91

Candidate Starts for Scrick_37:

(27, 34508), (34, 34532), (44, 34574), (49, 34592), (53, 34607), (Start: 91 @34712 has 423 MA's), (103, 34742), (106, 34754), (117, 34793), (122, 34808), (135, 34862), (148, 34907), (150, 34913), (152, 34919), (154, 34925), (161, 34970), (162, 34973), (168, 35000), (191, 35060), (194, 35081), (219, 35159),

Gene: Scrick_36 Start: 34068, Stop: 34715, Start Num: 88

Candidate Starts for Scrick_36:

(70, 34029), (Start: 84 @34065 has 90 MA's), (Start: 88 @34068 has 177 MA's), (Start: 115 @34149 has 1 MA's), (150, 34284), (168, 34371), (185, 34416), (200, 34494), (218, 34545), (225, 34572), (227, 34590), (243, 34668), (252, 34701), (256, 34707),

Gene: Sejanus_32 Start: 32369, Stop: 32968, Start Num: 91

Candidate Starts for Sejanus_32:

(44, 32231), (49, 32249), (74, 32333), (Start: 91 @32369 has 423 MA's), (100, 32381), (103, 32399), (112, 32426), (131, 32513), (150, 32570), (152, 32576), (198, 32753), (212, 32801), (247, 32939), (251, 32954),

Gene: Sejanus_31 Start: 31728, Stop: 32372, Start Num: 86

Candidate Starts for Sejanus_31:

(21, 31488), (61, 31662), (Start: 86 @31728 has 45 MA's), (109, 31800), (118, 31833), (121, 31842), (126, 31875), (129, 31893), (136, 31908), (146, 31947), (154, 31971), (161, 32016), (181, 32064), (183, 32070), (199, 32142), (200, 32151), (203, 32160), (214, 32193), (227, 32247), (252, 32358), (254, 32361),

Gene: Selr12_37 Start: 34715, Stop: 35314, Start Num: 91

Candidate Starts for Selr12_37:

(27, 34511), (34, 34535), (44, 34577), (49, 34595), (53, 34610), (Start: 91 @34715 has 423 MA's), (103, 34745), (106, 34757), (117, 34796), (122, 34811), (135, 34865), (148, 34910), (150, 34916), (152, 34922), (154, 34928), (161, 34973), (162, 34976), (168, 35003), (191, 35063), (194, 35084), (219, 35162),

Gene: Selr12_36 Start: 34071, Stop: 34718, Start Num: 88

Candidate Starts for Selr12_36:

(70, 34032), (Start: 84 @34068 has 90 MA's), (Start: 88 @34071 has 177 MA's), (Start: 115 @34152 has 1 MA's), (150, 34287), (168, 34374), (185, 34419), (200, 34497), (218, 34548), (225, 34575), (227, 34593), (243, 34671), (252, 34704), (256, 34710),

Gene: Serendipitous_35 Start: 35431, Stop: 36039, Start Num: 91

Candidate Starts for Serendipitous_35:

(Start: 91 @35431 has 423 MA's), (103, 35461), (117, 35512), (131, 35575), (135, 35581), (150, 35632), (152, 35638), (154, 35644), (162, 35692), (210, 35857), (212, 35863), (215, 35869), (219, 35878), (236, 35965), (246, 36007), (251, 36025),

Gene: Serendipitous_34 Start: 34805, Stop: 35434, Start Num: 90

Candidate Starts for Serendipitous_34:

(Start: 90 @34805 has 18 MA's), (114, 34883), (118, 34895), (149, 35021), (152, 35030), (154, 35036), (181, 35129), (183, 35135), (227, 35309), (254, 35423),

Gene: Serendipity_37 Start: 35012, Stop: 35611, Start Num: 91

Candidate Starts for Serendipity_37:

(27, 34808), (34, 34832), (44, 34874), (49, 34892), (53, 34907), (Start: 91 @35012 has 423 MA's), (103, 35042), (106, 35054), (117, 35093), (122, 35108), (135, 35162), (148, 35207), (150, 35213), (152, 35219), (154, 35225), (161, 35270), (162, 35273), (168, 35300), (191, 35360), (194, 35381), (219, 35459),

Gene: Serendipity_36 Start: 34365, Stop: 35015, Start Num: 84

Candidate Starts for Serendipity_36:

(70, 34329), (Start: 84 @34365 has 90 MA's), (Start: 88 @34368 has 177 MA's), (Start: 115 @34449 has 1 MA's), (150, 34584), (168, 34671), (185, 34716), (200, 34794), (218, 34845), (225, 34872), (227, 34890), (243, 34968), (252, 35001), (256, 35007),

Gene: Serpentine_0037 Start: 34993, Stop: 35592, Start Num: 91

Candidate Starts for Serpentine_0037:

(26, 34786), (27, 34789), (34, 34813), (44, 34855), (49, 34873), (53, 34888), (Start: 91 @34993 has 423 MA's), (103, 35023), (106, 35035), (117, 35074), (122, 35089), (135, 35143), (148, 35188), (150, 35194), (152, 35200), (154, 35206), (161, 35251), (162, 35254), (168, 35281), (191, 35341), (194, 35362), (219, 35440),

Gene: Serpentine_0036 Start: 34346, Stop: 34996, Start Num: 84

Candidate Starts for Serpentine_0036:

(70, 34310), (Start: 84 @34346 has 90 MA's), (Start: 88 @34349 has 177 MA's), (Start: 115 @34430 has 1 MA's), (150, 34565), (168, 34652), (185, 34697), (200, 34775), (218, 34826), (225, 34853), (227, 34871), (243, 34949), (252, 34982), (256, 34988),

Gene: Shatter_29 Start: 27488, Stop: 28102, Start Num: 95

Candidate Starts for Shatter_29:

(45, 27338), (Start: 95 @27488 has 16 MA's), (101, 27503), (Start: 104 @27521 has 1 MA's), (114, 27557), (122, 27581), (128, 27620), (149, 27689), (150, 27692), (151, 27695), (181, 27797), (239, 28034), (243, 28055), (245, 28061), (254, 28091),

Gene: Shatter_30 Start: 28099, Stop: 28731, Start Num: 91

Candidate Starts for Shatter_30:

(34, 27922), (Start: 91 @28099 has 423 MA's), (103, 28132), (112, 28159), (135, 28252), (149, 28300), (152, 28309), (161, 28360), (182, 28423), (184, 28426), (199, 28489), (219, 28549), (221, 28558), (223, 28567), (248, 28705),

Gene: Sheila_36 Start: 34386, Stop: 35033, Start Num: 88

Candidate Starts for Sheila_36:

(42, 34236), (70, 34347), (Start: 84 @34383 has 90 MA's), (Start: 88 @34386 has 177 MA's), (Start: 115 @34467 has 1 MA's), (150, 34602), (168, 34689), (185, 34734), (200, 34812), (218, 34863), (225, 34890), (227, 34908), (243, 34986), (252, 35019), (256, 35025),

Gene: Sheila_37 Start: 35030, Stop: 35629, Start Num: 91

Candidate Starts for Sheila_37:

(27, 34826), (34, 34850), (44, 34892), (49, 34910), (53, 34925), (Start: 91 @35030 has 423 MA's), (103, 35060), (106, 35072), (117, 35111), (122, 35126), (123, 35129), (135, 35180), (148, 35225), (150, 35231), (152, 35237), (154, 35243), (161, 35288), (162, 35291), (168, 35318), (191, 35378), (194, 35399), (219, 35477),

Gene: Shenandoah_37 Start: 34902, Stop: 35501, Start Num: 91

Candidate Starts for Shenandoah_37:

(Start: 91 @34902 has 423 MA's), (103, 34932), (112, 34959), (131, 35046), (135, 35052), (154, 35115), (158, 35139), (161, 35160), (191, 35250), (212, 35334), (217, 35346), (230, 35406), (245, 35466), (251, 35487),

Gene: Shenandoah_36 Start: 34252, Stop: 34905, Start Num: 85

Candidate Starts for Shenandoah_36:

(Start: 85 @34252 has 45 MA's), (112, 34333), (117, 34357), (149, 34480), (183, 34606), (190, 34621), (203, 34696), (244, 34861), (245, 34864), (252, 34891),

Gene: Shenyu_36 Start: 35657, Stop: 36268, Start Num: 91

Candidate Starts for Shenyu_36:

(56, 35564), (57, 35570), (66, 35600), (68, 35609), (72, 35615), (Start: 91 @35657 has 423 MA's), (103, 35690), (117, 35741), (131, 35804), (135, 35810), (150, 35861), (152, 35867), (154, 35873), (162, 35921), (210, 36086), (212, 36092), (236, 36194), (246, 36236), (251, 36254),

Gene: Shenyu_35 Start: 34921, Stop: 35550, Start Num: 90

Candidate Starts for Shenyu_35:

(Start: 90 @34921 has 18 MA's), (114, 34999), (118, 35011), (149, 35137), (152, 35146), (154, 35152), (161, 35197), (181, 35245), (183, 35251), (227, 35425), (254, 35539),

Gene: ShiVal_36 Start: 34339, Stop: 34989, Start Num: 84

Candidate Starts for ShiVal_36:

(42, 34192), (70, 34303), (Start: 84 @34339 has 90 MA's), (Start: 88 @34342 has 177 MA's), (Start: 115 @34423 has 1 MA's), (150, 34558), (168, 34645), (185, 34690), (200, 34768), (218, 34819), (225, 34846), (227, 34864), (243, 34942), (252, 34975), (256, 34981),

Gene: ShiVal_37 Start: 34986, Stop: 35585, Start Num: 91

Candidate Starts for ShiVal_37:

(27, 34782), (34, 34806), (44, 34848), (49, 34866), (53, 34881), (Start: 91 @34986 has 423 MA's), (103, 35016), (106, 35028), (117, 35067), (122, 35082), (135, 35136), (148, 35181), (150, 35187), (152, 35193), (154, 35199), (161, 35244), (162, 35247), (168, 35274), (191, 35334), (194, 35355),

Gene: Sigman_37 Start: 34978, Stop: 35577, Start Num: 91

Candidate Starts for Sigman_37:

(27, 34774), (34, 34798), (44, 34840), (49, 34858), (53, 34873), (Start: 91 @34978 has 423 MA's), (103, 35008), (106, 35020), (117, 35059), (122, 35074), (135, 35128), (148, 35173), (150, 35179), (152, 35185), (154, 35191), (161, 35236), (162, 35239), (168, 35266), (191, 35326), (194, 35347), (219, 35425),

Gene: Sigman_36 Start: 34334, Stop: 34981, Start Num: 88

Candidate Starts for Sigman_36:

(70, 34295), (Start: 84 @34331 has 90 MA's), (Start: 88 @34334 has 177 MA's), (Start: 115 @34415 has 1 MA's), (150, 34550), (168, 34637), (185, 34682), (200, 34760), (218, 34811), (225, 34838), (227, 34856), (243, 34934), (252, 34967), (256, 34973),

Gene: SilverBell_36 Start: 34364, Stop: 35011, Start Num: 88

Candidate Starts for SilverBell_36:

(42, 34214), (70, 34325), (Start: 84 @34361 has 90 MA's), (Start: 88 @34364 has 177 MA's), (Start: 115 @34445 has 1 MA's), (150, 34580), (168, 34667), (185, 34712), (200, 34790), (218, 34841), (225, 34868), (227, 34886), (243, 34964), (252, 34997), (256, 35003),

Gene: SilverBell_37 Start: 35008, Stop: 35607, Start Num: 91

Candidate Starts for SilverBell_37:

(27, 34804), (34, 34828), (44, 34870), (49, 34888), (53, 34903), (Start: 91 @35008 has 423 MA's), (103, 35038), (106, 35050), (117, 35089), (122, 35104), (135, 35158), (148, 35203), (150, 35209), (152, 35215), (154, 35221), (161, 35266), (162, 35269), (168, 35296), (191, 35356), (194, 35377), (219, 35455),

Gene: Simielle_36 Start: 34681, Stop: 35280, Start Num: 91

Candidate Starts for Simielle_36:

(27, 34477), (34, 34501), (44, 34543), (49, 34561), (53, 34576), (Start: 91 @34681 has 423 MA's), (103, 34711), (106, 34723), (117, 34762), (122, 34777), (135, 34831), (148, 34876), (150, 34882), (152, 34888), (154, 34894), (161, 34939), (162, 34942), (168, 34969), (191, 35029), (194, 35050),

Gene: Simielle_35 Start: 34037, Stop: 34684, Start Num: 88

Candidate Starts for Simielle_35:

(70, 33998), (Start: 84 @34034 has 90 MA's), (Start: 88 @34037 has 177 MA's), (Start: 115 @34118 has 1 MA's), (150, 34253), (168, 34340), (185, 34385), (200, 34463), (218, 34514), (225, 34541), (227, 34559), (243, 34637), (252, 34670), (256, 34676),

Gene: SirBeauregard_36 Start: 34041, Stop: 34688, Start Num: 88

Candidate Starts for SirBeauregard_36:

(42, 33891), (70, 34002), (Start: 84 @34038 has 90 MA's), (Start: 88 @34041 has 177 MA's), (Start: 115 @34122 has 1 MA's), (150, 34257), (168, 34344), (185, 34389), (200, 34467), (218, 34518), (225, 34545), (227, 34563), (243, 34641), (252, 34674), (256, 34680),

Gene: SirBeauregard_37 Start: 34685, Stop: 35284, Start Num: 91

Candidate Starts for SirBeauregard_37:

(27, 34481), (34, 34505), (44, 34547), (49, 34565), (53, 34580), (Start: 91 @34685 has 423 MA's), (103, 34715), (106, 34727), (117, 34766), (122, 34781), (135, 34835), (148, 34880), (150, 34886), (152, 34892), (154, 34898), (161, 34943), (162, 34946), (168, 34973), (194, 35054), (212, 35117), (219, 35132),

Gene: SirJeffery_36 Start: 35585, Stop: 36193, Start Num: 91

Candidate Starts for SirJeffery_36:

(33, 35408), (48, 35465), (Start: 91 @35585 has 423 MA's), (103, 35615), (118, 35669), (127, 35714), (131, 35729), (135, 35735), (141, 35750), (150, 35786), (152, 35792), (154, 35798), (162, 35846), (171, 35879), (212, 36017), (215, 36023), (246, 36161), (251, 36179),

Gene: SirJeffery_35 Start: 34959, Stop: 35588, Start Num: 90

Candidate Starts for SirJeffery_35:

(Start: 90 @34959 has 18 MA's), (114, 35037), (118, 35049), (129, 35109), (149, 35175), (152, 35184), (154, 35190), (161, 35235), (181, 35283), (183, 35289), (227, 35463), (254, 35577),

Gene: Sisko_30 Start: 28962, Stop: 29591, Start Num: 91

Candidate Starts for Sisko_30:

(34, 28785), (Start: 91 @28962 has 423 MA's), (103, 28992), (112, 29019), (131, 29106), (135, 29112), (149, 29160), (152, 29169), (158, 29199), (161, 29220), (173, 29265), (182, 29283), (184, 29286), (219, 29409), (221, 29418), (223, 29427),

Gene: Sisko_29 Start: 28351, Stop: 28965, Start Num: 95

Candidate Starts for Sisko_29:

(Start: 95 @28351 has 16 MA's), (101, 28366), (114, 28420), (122, 28444), (128, 28483), (149, 28552), (150, 28555), (159, 28594), (163, 28618), (181, 28660), (187, 28672), (195, 28726), (239, 28897), (243, 28918), (245, 28924), (254, 28954),

Gene: Skippy_36 Start: 34332, Stop: 34979, Start Num: 88

Candidate Starts for Skippy_36:

(42, 34182), (70, 34293), (Start: 84 @34329 has 90 MA's), (Start: 88 @34332 has 177 MA's), (Start: 115 @34413 has 1 MA's), (150, 34548), (168, 34635), (185, 34680), (200, 34758), (218, 34809), (225, 34836), (227, 34854), (243, 34932), (252, 34965), (256, 34971),

Gene: Skippy_37 Start: 34976, Stop: 35575, Start Num: 91

Candidate Starts for Skippy_37:

(27, 34772), (34, 34796), (44, 34838), (49, 34856), (53, 34871), (Start: 91 @34976 has 423 MA's), (103, 35006), (106, 35018), (117, 35057), (122, 35072), (135, 35126), (148, 35171), (150, 35177), (152, 35183), (154, 35189), (161, 35234), (162, 35237), (168, 35264), (191, 35324), (194, 35345), (219, 35423),

Gene: Slatt_37 Start: 35002, Stop: 35601, Start Num: 91

Candidate Starts for Slatt_37:

(27, 34798), (34, 34822), (44, 34864), (49, 34882), (53, 34897), (Start: 91 @35002 has 423 MA's), (103, 35032), (106, 35044), (117, 35083), (122, 35098), (135, 35152), (148, 35197), (150, 35203), (152, 35209), (154, 35215), (161, 35260), (162, 35263), (168, 35290), (191, 35350), (194, 35371), (219, 35449),

Gene: Slatt_36 Start: 34358, Stop: 35005, Start Num: 88

Candidate Starts for Slatt_36:

(42, 34208), (70, 34319), (Start: 84 @34355 has 90 MA's), (Start: 88 @34358 has 177 MA's), (Start: 115 @34439 has 1 MA's), (150, 34574), (168, 34661), (185, 34706), (200, 34784), (218, 34835), (225, 34862), (227, 34880), (243, 34958), (252, 34991), (256, 34997),

Gene: SlippinJimmy_37 Start: 35695, Stop: 36294, Start Num: 91

Candidate Starts for SlippinJimmy_37:

(Start: 91 @35695 has 423 MA's), (103, 35725), (112, 35752), (131, 35839), (135, 35845), (154, 35908), (158, 35932), (161, 35953), (191, 36043), (212, 36127), (217, 36139), (230, 36199), (245, 36259), (251, 36280),

Gene: SlippinJimmy_36 Start: 35045, Stop: 35698, Start Num: 85

Candidate Starts for SlippinJimmy_36:

(Start: 85 @35045 has 45 MA's), (112, 35126), (117, 35150), (149, 35273), (183, 35399), (190, 35414), (203, 35489), (244, 35654), (252, 35684),

Gene: Soile_37 Start: 34708, Stop: 35307, Start Num: 91

Candidate Starts for Soile_37:

(26, 34501), (27, 34504), (34, 34528), (44, 34570), (49, 34588), (53, 34603), (Start: 91 @34708 has 423 MA's), (103, 34738), (106, 34750), (117, 34789), (122, 34804), (135, 34858), (148, 34903), (150, 34909), (152, 34915), (154, 34921), (161, 34966), (162, 34969), (168, 34996), (191, 35056), (194, 35077), (212, 35140), (219, 35155),

Gene: Soile_36 Start: 34064, Stop: 34711, Start Num: 88

Candidate Starts for Soile_36:

(70, 34025), (Start: 84 @34061 has 90 MA's), (Start: 88 @34064 has 177 MA's), (Start: 115 @34145 has 1 MA's), (150, 34280), (168, 34367), (185, 34412), (200, 34490), (218, 34541), (225, 34568), (227, 34586), (243, 34664), (252, 34697), (256, 34703),

Gene: Solosis_36 Start: 34703, Stop: 35302, Start Num: 91

Candidate Starts for Solosis_36:

(27, 34499), (34, 34523), (44, 34565), (49, 34583), (53, 34598), (Start: 91 @34703 has 423 MA's), (103, 34733), (106, 34745), (117, 34784), (122, 34799), (135, 34853), (148, 34898), (150, 34904), (152, 34910), (154, 34916), (161, 34961), (162, 34964), (168, 34991), (191, 35051), (194, 35072), (219, 35150),

Gene: Solosis_35 Start: 34059, Stop: 34706, Start Num: 88

Candidate Starts for Solosis_35:

(70, 34020), (Start: 84 @34056 has 90 MA's), (Start: 88 @34059 has 177 MA's), (Start: 115 @34140 has 1 MA's), (150, 34275), (168, 34362), (185, 34407), (200, 34485), (218, 34536), (225, 34563), (227, 34581), (243, 34659), (252, 34692), (256, 34698),

Gene: Soos_57 Start: 38374, Stop: 38997, Start Num: 92

Candidate Starts for Soos_57:

(Start: 92 @38374 has 5 MA's), (134, 38533), (150, 38587), (152, 38593), (156, 38620), (231, 38896), (248, 38965), (249, 38971), (256, 38989),

Gene: Sophia_35 Start: 34056, Stop: 34706, Start Num: 84

Candidate Starts for Sophia_35:

(70, 34020), (Start: 84 @34056 has 90 MA's), (Start: 88 @34059 has 177 MA's), (Start: 115 @34140 has 1 MA's), (150, 34275), (168, 34362), (185, 34407), (200, 34485), (218, 34536), (225, 34563), (227, 34581), (243, 34659), (252, 34692), (256, 34698),

Gene: Sophia_36 Start: 34703, Stop: 35302, Start Num: 91

Candidate Starts for Sophia_36:

(27, 34499), (34, 34523), (44, 34565), (49, 34583), (53, 34598), (Start: 91 @34703 has 423 MA's), (103, 34733), (106, 34745), (117, 34784), (122, 34799), (135, 34853), (148, 34898), (150, 34904), (152, 34910), (154, 34916), (161, 34961), (162, 34964), (168, 34991), (191, 35051), (194, 35072), (219, 35150),

Gene: Soto_37 Start: 34996, Stop: 35595, Start Num: 91

Candidate Starts for Soto_37:

(27, 34792), (34, 34816), (44, 34858), (49, 34876), (53, 34891), (Start: 91 @34996 has 423 MA's), (103, 35026), (106, 35038), (117, 35077), (122, 35092), (135, 35146), (148, 35191), (150, 35197), (152, 35203), (154, 35209), (161, 35254), (162, 35257), (168, 35284), (191, 35344), (194, 35365), (219, 35443),

Gene: Soto_36 Start: 34352, Stop: 34999, Start Num: 88

Candidate Starts for Soto_36:

(42, 34202), (70, 34313), (Start: 84 @34349 has 90 MA's), (Start: 88 @34352 has 177 MA's), (Start: 115 @34433 has 1 MA's), (150, 34568), (168, 34655), (185, 34700), (200, 34778), (218, 34829), (225, 34856), (227, 34874), (243, 34952), (252, 34985), (256, 34991),

Gene: Sour_33 Start: 31671, Stop: 32285, Start Num: 95

Candidate Starts for Sour_33:

(Start: 95 @31671 has 16 MA's), (101, 31686), (114, 31740), (121, 31761), (128, 31803), (136, 31824), (149, 31872), (150, 31875), (159, 31914), (181, 31980), (187, 31992), (195, 32046), (199, 32058), (218, 32118), (245, 32244), (252, 32271), (254, 32274),

Gene: Sour_35 Start: 32784, Stop: 33413, Start Num: 91

Candidate Starts for Sour_35:

(77, 32754), (Start: 91 @32784 has 423 MA's), (100, 32796), (103, 32814), (112, 32841), (131, 32928), (135, 32934), (149, 32982), (150, 32985), (152, 32991), (154, 32997), (157, 33018), (161, 33042), (182, 33105), (184, 33108), (201, 33183), (219, 33231), (221, 33240),

Gene: Spartan300_36 Start: 34335, Stop: 34985, Start Num: 84

Candidate Starts for Spartan300_36:

(42, 34188), (70, 34299), (Start: 84 @34335 has 90 MA's), (Start: 88 @34338 has 177 MA's), (Start: 115 @34419 has 1 MA's), (150, 34554), (168, 34641), (185, 34686), (200, 34764), (218, 34815), (225, 34842), (227, 34860), (243, 34938), (252, 34971), (256, 34977),

Gene: Spartan300_37 Start: 34982, Stop: 35581, Start Num: 91

Candidate Starts for Spartan300_37:

(27, 34778), (34, 34802), (44, 34844), (49, 34862), (53, 34877), (Start: 91 @34982 has 423 MA's), (103, 35012), (106, 35024), (117, 35063), (122, 35078), (135, 35132), (148, 35177), (150, 35183), (152, 35189), (154, 35195), (161, 35240), (162, 35243), (168, 35270), (191, 35330), (194, 35351),

Gene: Squid_37 Start: 34694, Stop: 35293, Start Num: 91

Candidate Starts for Squid_37:

(27, 34490), (34, 34514), (44, 34556), (49, 34574), (53, 34589), (Start: 91 @34694 has 423 MA's), (103, 34724), (106, 34736), (117, 34775), (122, 34790), (135, 34844), (148, 34889), (150, 34895), (152, 34901), (154, 34907), (161, 34952), (162, 34955), (168, 34982), (191, 35042), (194, 35063), (219, 35141),

Gene: Squid_36 Start: 34047, Stop: 34697, Start Num: 84

Candidate Starts for Squid_36:

(70, 34011), (Start: 84 @34047 has 90 MA's), (Start: 88 @34050 has 177 MA's), (Start: 115 @34131 has 1 MA's), (150, 34266), (168, 34353), (185, 34398), (200, 34476), (218, 34527), (225, 34554), (227, 34572), (243, 34650), (252, 34683), (256, 34689),

Gene: Squiggle_37 Start: 34706, Stop: 35305, Start Num: 91

Candidate Starts for Squiggle_37:

(27, 34502), (34, 34526), (44, 34568), (49, 34586), (53, 34601), (Start: 91 @34706 has 423 MA's), (103, 34736), (106, 34748), (117, 34787), (122, 34802), (135, 34856), (148, 34901), (150, 34907), (152, 34913), (154, 34919), (161, 34964), (162, 34967), (168, 34994), (191, 35054), (194, 35075), (219, 35153),

Gene: Squiggle_36 Start: 34062, Stop: 34709, Start Num: 88

Candidate Starts for Squiggle_36:

(70, 34023), (Start: 84 @34059 has 90 MA's), (Start: 88 @34062 has 177 MA's), (Start: 115 @34143 has 1 MA's), (150, 34278), (168, 34365), (185, 34410), (200, 34488), (218, 34539), (225, 34566), (227, 34584), (243, 34662), (252, 34695), (256, 34701),

Gene: StAugustine_40 Start: 37862, Stop: 38488, Start Num: 88

Candidate Starts for StAugustine_40:

(Start: 88 @37862 has 177 MA's), (112, 37925), (114, 37940), (116, 37946), (122, 37964), (123, 37967), (127, 37994), (136, 38024), (137, 38027), (141, 38039), (150, 38075), (214, 38309), (238, 38417), (243, 38441), (245, 38447), (254, 38477),

Gene: StAugustine_41 Start: 38485, Stop: 39093, Start Num: 91

Candidate Starts for StAugustine_41:

(65, 38431), (Start: 91 @38485 has 423 MA's), (103, 38515), (131, 38629), (141, 38650), (152, 38692), (161, 38743), (217, 38929), (219, 38932), (246, 39055), (248, 39061),

Gene: Sting_60 Start: 38813, Stop: 39436, Start Num: 92

Candidate Starts for Sting_60:

(Start: 92 @38813 has 5 MA's), (150, 39026), (152, 39032), (156, 39059), (248, 39404), (249, 39410), (256, 39428),

Gene: Stinger_31 Start: 33110, Stop: 33757, Start Num: 67

Candidate Starts for Stinger_31:

(Start: 67 @33110 has 25 MA's), (105, 33188), (108, 33200), (126, 33272), (137, 33296), (144, 33326), (145, 33329), (147, 33335), (148, 33338), (159, 33386), (177, 33458), (194, 33518), (199, 33530), (225, 33614), (227, 33632), (246, 33719), (254, 33746),

Gene: Stinger_32 Start: 33754, Stop: 34359, Start Num: 91

Candidate Starts for Stinger_32:

(Start: 91 @33754 has 423 MA's), (103, 33790), (106, 33802), (112, 33817), (117, 33841), (135, 33910), (148, 33955), (150, 33961), (152, 33967), (153, 33970), (158, 33997), (161, 34018), (168, 34048), (191, 34108), (192, 34114), (194, 34129), (227, 34249), (246, 34327), (251, 34345),

Gene: StinkyVeggy_37 Start: 35147, Stop: 35740, Start Num: 103

Candidate Starts for StinkyVeggy_37:

(Start: 90 @35111 has 18 MA's), (103, 35147), (114, 35189), (118, 35201), (149, 35327), (152, 35336), (154, 35342), (161, 35387), (181, 35435), (183, 35441), (227, 35615), (254, 35729),

Gene: StinkyVeggy_38 Start: 35737, Stop: 36345, Start Num: 91

Candidate Starts for StinkyVeggy_38:

(Start: 91 @35737 has 423 MA's), (103, 35767), (117, 35818), (131, 35881), (135, 35887), (150, 35938), (152, 35944), (154, 35950), (162, 35998), (210, 36163), (212, 36169), (236, 36271), (246, 36313), (251, 36331),

Gene: Struggle_35 Start: 33900, Stop: 34547, Start Num: 88

Candidate Starts for Struggle_35:

(70, 33861), (Start: 84 @33897 has 90 MA's), (Start: 88 @33900 has 177 MA's), (Start: 115 @33981 has 1 MA's), (150, 34116), (168, 34203), (185, 34248), (199, 34317), (200, 34326), (218, 34377), (227, 34422), (243, 34500), (252, 34533), (256, 34539),

Gene: Struggle_36 Start: 34544, Stop: 35143, Start Num: 91

Candidate Starts for Struggle_36:

(26, 34337), (27, 34340), (34, 34364), (44, 34406), (49, 34424), (53, 34439), (Start: 91 @34544 has 423 MA's), (103, 34574), (106, 34586), (117, 34625), (122, 34640), (135, 34694), (148, 34739), (150, 34745), (152, 34751), (154, 34757), (161, 34802), (162, 34805), (168, 34832), (191, 34892), (194, 34913), (212, 34976), (219, 34991),

Gene: Suffolk_37 Start: 34993, Stop: 35592, Start Num: 91

Candidate Starts for Suffolk_37:

(27, 34789), (34, 34813), (44, 34855), (49, 34873), (53, 34888), (Start: 91 @34993 has 423 MA's), (103, 35023), (106, 35035), (117, 35074), (122, 35089), (135, 35143), (148, 35188), (150, 35194), (152, 35200), (154, 35206), (161, 35251), (162, 35254), (168, 35281), (191, 35341), (194, 35362), (219, 35440),

Gene: Suffolk_36 Start: 34349, Stop: 34996, Start Num: 88

Candidate Starts for Suffolk_36:

(42, 34199), (70, 34310), (Start: 84 @34346 has 90 MA's), (Start: 88 @34349 has 177 MA's), (Start: 115 @34430 has 1 MA's), (150, 34565), (168, 34652), (185, 34697), (200, 34775), (218, 34826), (225, 34853), (227, 34871), (243, 34949), (252, 34982), (256, 34988),

Gene: Suigeneris_35 Start: 34962, Stop: 35591, Start Num: 90

Candidate Starts for Suigeneris_35:

(Start: 90 @34962 has 18 MA's), (114, 35040), (118, 35052), (129, 35112), (149, 35178), (152, 35187), (154, 35193), (161, 35238), (181, 35286), (183, 35292), (227, 35466), (254, 35580),

Gene: Suigeneris_36 Start: 35588, Stop: 36196, Start Num: 91

Candidate Starts for Suigeneris_36:

(33, 35411), (48, 35468), (Start: 91 @35588 has 423 MA's), (103, 35618), (118, 35672), (127, 35717), (131, 35732), (135, 35738), (141, 35753), (150, 35789), (152, 35795), (154, 35801), (162, 35849), (171, 35882), (212, 36020), (215, 36026), (246, 36164), (251, 36182),

Gene: Surely_36 Start: 34349, Stop: 34999, Start Num: 84

Candidate Starts for Surely_36:

(70, 34313), (Start: 84 @34349 has 90 MA's), (Start: 88 @34352 has 177 MA's), (Start: 115 @34433 has 1 MA's), (150, 34568), (168, 34655), (185, 34700), (200, 34778), (218, 34829), (225, 34856), (227, 34874), (243, 34952), (252, 34985), (256, 34991),

Gene: Surely_37 Start: 34996, Stop: 35595, Start Num: 91

Candidate Starts for Surely_37:

(27, 34792), (34, 34816), (44, 34858), (49, 34876), (53, 34891), (Start: 91 @34996 has 423 MA's), (103, 35026), (106, 35038), (117, 35077), (122, 35092), (135, 35146), (148, 35191), (150, 35197), (152, 35203), (154, 35209), (161, 35254), (162, 35257), (168, 35284), (191, 35344), (194, 35365), (219, 35443),

Gene: SwainyDoc_37 Start: 34924, Stop: 35523, Start Num: 91

Candidate Starts for SwainyDoc_37:

(Start: 91 @34924 has 423 MA's), (103, 34954), (112, 34981), (131, 35068), (135, 35074), (154, 35137), (158, 35161), (161, 35182), (191, 35272), (212, 35356), (217, 35368), (230, 35428), (251, 35509),

Gene: SwainyDoc_36 Start: 34274, Stop: 34927, Start Num: 85

Candidate Starts for SwainyDoc_36:

(Start: 85 @34274 has 45 MA's), (112, 34355), (117, 34379), (149, 34502), (183, 34628), (190, 34643), (203, 34718), (244, 34883), (245, 34886), (252, 34913),

Gene: Swiphy_37 Start: 34347, Stop: 34994, Start Num: 88

Candidate Starts for Swiphy_37:

(70, 34308), (Start: 84 @34344 has 90 MA's), (Start: 88 @34347 has 177 MA's), (Start: 115 @34428 has 1 MA's), (150, 34563), (168, 34650), (185, 34695), (199, 34764), (200, 34773), (218, 34824), (227, 34869), (243, 34947), (252, 34980), (256, 34986),

Gene: Swiphy_38 Start: 34991, Stop: 35590, Start Num: 91

Candidate Starts for Swiphy_38:

(26, 34784), (27, 34787), (34, 34811), (44, 34853), (49, 34871), (53, 34886), (Start: 91 @34991 has 423 MA's), (103, 35021), (106, 35033), (117, 35072), (122, 35087), (135, 35141), (148, 35186), (150, 35192), (152, 35198), (154, 35204), (161, 35249), (162, 35252), (168, 35279), (191, 35339), (194, 35360), (212, 35423), (219, 35438),

Gene: Swish_36 Start: 34332, Stop: 34982, Start Num: 84

Candidate Starts for Swish_36:

(70, 34296), (Start: 84 @34332 has 90 MA's), (Start: 88 @34335 has 177 MA's), (Start: 115 @34416 has 1 MA's), (150, 34551), (168, 34638), (185, 34683), (200, 34761), (218, 34812), (225, 34839), (227, 34857), (243, 34935), (252, 34968), (256, 34974),

Gene: Swish_37 Start: 34979, Stop: 35578, Start Num: 91

Candidate Starts for Swish_37:

(27, 34775), (34, 34799), (44, 34841), (49, 34859), (53, 34874), (Start: 91 @34979 has 423 MA's), (103, 35009), (106, 35021), (117, 35060), (122, 35075), (135, 35129), (148, 35174), (150, 35180), (152, 35186), (154, 35192), (161, 35237), (162, 35240), (168, 35267), (191, 35327), (194, 35348), (219, 35426),

Gene: SynergyX_37 Start: 34930, Stop: 35529, Start Num: 91

Candidate Starts for SynergyX_37:

(Start: 91 @34930 has 423 MA's), (103, 34960), (112, 34987), (131, 35074), (154, 35143), (158, 35167), (161, 35188), (191, 35278), (212, 35362), (217, 35374), (230, 35434), (245, 35494), (251, 35515),

Gene: SynergyX_36 Start: 34280, Stop: 34933, Start Num: 85

Candidate Starts for SynergyX_36:

(Start: 85 @34280 has 45 MA's), (112, 34361), (117, 34385), (149, 34508), (183, 34634), (190, 34649), (203, 34724), (244, 34889), (245, 34892), (252, 34919),

Gene: TA17A_39 Start: 35461, Stop: 36060, Start Num: 91

Candidate Starts for TA17A_39:

(82, 35440), (Start: 91 @35461 has 423 MA's), (103, 35491), (109, 35512), (117, 35542), (118, 35545), (135, 35611), (150, 35662), (151, 35665), (152, 35668), (158, 35698), (161, 35719), (184, 35785), (192, 35815), (217, 35905), (219, 35908), (223, 35926), (227, 35950), (243, 36019), (251, 36046),

Gene: TA17A_37 Start: 34671, Stop: 35315, Start Num: 86

Candidate Starts for TA17A_37:

(37, 34506), (61, 34617), (Start: 86 @34671 has 45 MA's), (Start: 89 @34680 has 1 MA's), (112, 34749), (118, 34776), (121, 34785), (146, 34890), (150, 34902), (154, 34914), (181, 35007), (195, 35073), (200, 35094), (205, 35109), (207, 35115), (214, 35136), (220, 35148), (254, 35304),

Gene: TPA2_40 Start: 32816, Stop: 33403, Start Num: 91

Candidate Starts for TPA2_40:

(24, 32609), (34, 32639), (47, 32690), (Start: 91 @32816 has 423 MA's), (103, 32843), (106, 32855), (117, 32894), (131, 32957), (135, 32963), (150, 33014), (152, 33020), (154, 33026), (162, 33074), (168, 33101), (194, 33182), (212, 33245), (219, 33260), (246, 33374),

Gene: TPA2_39 Start: 32202, Stop: 32819, Start Num: 95

Candidate Starts for TPA2_39:

(4, 31728), (69, 32139), (Start: 95 @32202 has 16 MA's), (98, 32208), (Start: 99 @32211 has 2 MA's), (118, 32286), (126, 32325), (141, 32373), (150, 32409), (152, 32415), (191, 32547), (205, 32616), (220, 32652), (223, 32670), (252, 32805), (254, 32808),

Gene: TallGrassMM_36 Start: 33971, Stop: 34621, Start Num: 84

Candidate Starts for TallGrassMM_36:

(70, 33935), (Start: 84 @33971 has 90 MA's), (Start: 88 @33974 has 177 MA's), (Start: 115 @34055 has 1 MA's), (150, 34190), (168, 34277), (185, 34322), (200, 34400), (218, 34451), (225, 34478), (227, 34496), (243, 34574), (252, 34607), (256, 34613),

Gene: TallGrassMM_37 Start: 34618, Stop: 35217, Start Num: 91

Candidate Starts for TallGrassMM_37:

(27, 34414), (34, 34438), (44, 34480), (49, 34498), (53, 34513), (Start: 91 @34618 has 423 MA's), (103, 34648), (106, 34660), (117, 34699), (122, 34714), (135, 34768), (148, 34813), (150, 34819), (152, 34825), (154, 34831), (161, 34876), (162, 34879), (168, 34906), (191, 34966), (194, 34987),

(219, 35065),

Gene: Taptic_30 Start: 32174, Stop: 32773, Start Num: 91

Candidate Starts for Taptic_30:

(Start: 91 @32174 has 423 MA's), (103, 32204), (109, 32225), (112, 32231), (131, 32318), (135, 32324), (150, 32375), (154, 32387), (158, 32411), (161, 32432), (165, 32450), (171, 32468), (182, 32495), (225, 32645), (227, 32663), (245, 32738), (251, 32759),

Gene: Taptic_28 Start: 31380, Stop: 32024, Start Num: 86

Candidate Starts for Taptic_28:

(Start: 86 @31380 has 45 MA's), (93, 31398), (111, 31455), (121, 31494), (124, 31503), (136, 31560), (150, 31611), (152, 31617), (154, 31623), (169, 31698), (185, 31725), (195, 31782), (199, 31794), (207, 31824), (227, 31899), (242, 31971),

Gene: Telesworld_36 Start: 34691, Stop: 35290, Start Num: 91

Candidate Starts for Telesworld_36:

(27, 34487), (34, 34511), (44, 34553), (49, 34571), (53, 34586), (Start: 91 @34691 has 423 MA's), (103, 34721), (106, 34733), (117, 34772), (122, 34787), (135, 34841), (148, 34886), (150, 34892), (152, 34898), (154, 34904), (161, 34949), (162, 34952), (168, 34979), (191, 35039), (194, 35060), (219, 35138),

Gene: Telesworld_35 Start: 34044, Stop: 34694, Start Num: 84

Candidate Starts for Telesworld_35:

(42, 33897), (70, 34008), (Start: 84 @34044 has 90 MA's), (Start: 88 @34047 has 177 MA's), (Start: 115 @34128 has 1 MA's), (150, 34263), (168, 34350), (185, 34395), (200, 34473), (218, 34524), (225, 34551), (227, 34569), (243, 34647), (252, 34680), (256, 34686),

Gene: Thonko_36 Start: 32845, Stop: 33450, Start Num: 91

Candidate Starts for Thonko_36:

(9, 32461), (11, 32470), (27, 32644), (34, 32668), (53, 32740), (Start: 91 @32845 has 423 MA's), (135, 32995), (161, 33103), (165, 33121), (191, 33193), (198, 33229), (219, 33292), (227, 33334),

Gene: Thonko_35 Start: 32189, Stop: 32848, Start Num: 78

Candidate Starts for Thonko_35:

(43, 32072), (55, 32120), (58, 32135), (62, 32156), (63, 32159), (Start: 78 @32189 has 1 MA's), (Start: 88 @32222 has 177 MA's), (107, 32279), (114, 32303), (118, 32315), (161, 32495), (171, 32534), (181, 32543), (252, 32834),

Gene: Thora_37 Start: 34995, Stop: 35594, Start Num: 91

Candidate Starts for Thora_37:

(27, 34791), (34, 34815), (44, 34857), (49, 34875), (53, 34890), (Start: 91 @34995 has 423 MA's), (103, 35025), (106, 35037), (117, 35076), (122, 35091), (135, 35145), (148, 35190), (150, 35196), (152, 35202), (154, 35208), (161, 35253), (162, 35256), (168, 35283), (191, 35343), (194, 35364), (219, 35442),

Gene: Thora_36 Start: 34351, Stop: 34998, Start Num: 88

Candidate Starts for Thora_36:

(70, 34312), (Start: 84 @34348 has 90 MA's), (Start: 88 @34351 has 177 MA's), (Start: 115 @34432 has 1 MA's), (150, 34567), (168, 34654), (185, 34699), (200, 34777), (218, 34828), (225, 34855), (227, 34873), (243, 34951), (252, 34984), (256, 34990),

Gene: ThreeOh3D2_36 Start: 34346, Stop: 34996, Start Num: 84

Candidate Starts for ThreeOh3D2_36:

(70, 34310), (Start: 84 @34346 has 90 MA's), (Start: 88 @34349 has 177 MA's), (Start: 115 @34430 has 1 MA's), (150, 34565), (168, 34652), (185, 34697), (200, 34775), (218, 34826), (225, 34853), (227, 34871), (243, 34949), (252, 34982), (256, 34988),

Gene: ThreeOh3D2_37 Start: 34993, Stop: 35592, Start Num: 91

Candidate Starts for ThreeOh3D2_37:

(27, 34789), (34, 34813), (44, 34855), (49, 34873), (53, 34888), (Start: 91 @34993 has 423 MA's), (103, 35023), (106, 35035), (117, 35074), (122, 35089), (135, 35143), (148, 35188), (150, 35194), (152, 35200), (154, 35206), (161, 35251), (162, 35254), (168, 35281), (191, 35341), (194, 35362), (219, 35440),

Gene: Thunderbird_36 Start: 34699, Stop: 35298, Start Num: 91

Candidate Starts for Thunderbird_36:

(26, 34492), (27, 34495), (34, 34519), (44, 34561), (49, 34579), (53, 34594), (Start: 91 @34699 has 423 MA's), (103, 34729), (106, 34741), (117, 34780), (122, 34795), (135, 34849), (148, 34894), (150, 34900), (152, 34906), (154, 34912), (161, 34957), (162, 34960), (168, 34987), (191, 35047), (194, 35068), (212, 35131), (219, 35146),

Gene: Thunderbird_35 Start: 34055, Stop: 34702, Start Num: 88

Candidate Starts for Thunderbird_35:

(70, 34016), (Start: 84 @34052 has 90 MA's), (Start: 88 @34055 has 177 MA's), (Start: 115 @34136 has 1 MA's), (150, 34271), (168, 34358), (185, 34403), (199, 34472), (200, 34481), (218, 34532), (227, 34577), (243, 34655), (252, 34688), (256, 34694),

Gene: Timmi_35 Start: 34060, Stop: 34707, Start Num: 88

Candidate Starts for Timmi_35:

(70, 34021), (Start: 84 @34057 has 90 MA's), (Start: 88 @34060 has 177 MA's), (Start: 115 @34141 has 1 MA's), (150, 34276), (168, 34363), (185, 34408), (200, 34486), (218, 34537), (225, 34564), (227, 34582), (243, 34660), (252, 34693), (256, 34699),

Gene: Timmi_36 Start: 34704, Stop: 35303, Start Num: 91

Candidate Starts for Timmi_36:

(27, 34500), (34, 34524), (44, 34566), (49, 34584), (53, 34599), (Start: 91 @34704 has 423 MA's), (103, 34734), (106, 34746), (117, 34785), (122, 34800), (135, 34854), (148, 34899), (150, 34905), (152, 34911), (154, 34917), (161, 34962), (162, 34965), (168, 34992), (191, 35052), (194, 35073), (219, 35151),

Gene: Tinciduntolum_39 Start: 35599, Stop: 36198, Start Num: 91

Candidate Starts for Tinciduntolum_39:

(82, 35578), (Start: 91 @35599 has 423 MA's), (103, 35629), (109, 35650), (117, 35680), (118, 35683), (135, 35749), (150, 35800), (151, 35803), (152, 35806), (158, 35836), (161, 35857), (184, 35923), (192, 35953), (217, 36043), (219, 36046), (223, 36064), (227, 36088), (243, 36157), (251, 36184),

Gene: Tinciduntolum_37 Start: 34809, Stop: 35453, Start Num: 86

Candidate Starts for Tinciduntolum_37:

(37, 34644), (61, 34755), (Start: 86 @34809 has 45 MA's), (Start: 89 @34818 has 1 MA's), (112, 34887), (118, 34914), (121, 34923), (124, 34932), (150, 35040), (154, 35052), (181, 35145), (195, 35211), (200, 35232), (205, 35247), (207, 35253), (214, 35274), (220, 35286), (254, 35442),

Gene: TinyTerror_36 Start: 34265, Stop: 34918, Start Num: 85

Candidate Starts for TinyTerror_36:

(Start: 85 @34265 has 45 MA's), (112, 34346), (117, 34370), (149, 34493), (183, 34619), (190, 34634), (203, 34709), (244, 34874), (245, 34877), (252, 34904),

Gene: TinyTerror_37 Start: 34915, Stop: 35514, Start Num: 91

Candidate Starts for TinyTerror_37:

(Start: 91 @34915 has 423 MA's), (103, 34945), (112, 34972), (131, 35059), (135, 35065), (154, 35128), (158, 35152), (161, 35173), (191, 35263), (212, 35347), (217, 35359), (230, 35419), (245, 35479), (251, 35500),

Gene: TomBombadil_37 Start: 34989, Stop: 35588, Start Num: 91

Candidate Starts for TomBombadil_37:

(27, 34785), (34, 34809), (44, 34851), (49, 34869), (53, 34884), (Start: 91 @34989 has 423 MA's), (103, 35019), (106, 35031), (117, 35070), (122, 35085), (135, 35139), (148, 35184), (150, 35190), (152, 35196), (154, 35202), (161, 35247), (162, 35250), (168, 35277), (191, 35337), (194, 35358), (219, 35436),

Gene: TomBombadil_36 Start: 34342, Stop: 34992, Start Num: 84

Candidate Starts for TomBombadil_36:

(70, 34306), (Start: 84 @34342 has 90 MA's), (Start: 88 @34345 has 177 MA's), (Start: 115 @34426 has 1 MA's), (150, 34561), (168, 34648), (185, 34693), (200, 34771), (218, 34822), (225, 34849), (227, 34867), (243, 34945), (252, 34978), (256, 34984),

Gene: Tomlarah_36 Start: 34336, Stop: 34983, Start Num: 88

Candidate Starts for Tomlarah_36:

(42, 34186), (70, 34297), (Start: 84 @34333 has 90 MA's), (Start: 88 @34336 has 177 MA's), (Start: 115 @34417 has 1 MA's), (150, 34552), (168, 34639), (185, 34684), (200, 34762), (218, 34813), (225, 34840), (227, 34858), (243, 34936), (252, 34969), (256, 34975),

Gene: Tomlarah_37 Start: 34980, Stop: 35579, Start Num: 91

Candidate Starts for Tomlarah_37:

(27, 34776), (34, 34800), (44, 34842), (49, 34860), (53, 34875), (Start: 91 @34980 has 423 MA's), (103, 35010), (106, 35022), (117, 35061), (122, 35076), (135, 35130), (148, 35175), (150, 35181), (152, 35187), (154, 35193), (161, 35238), (162, 35241), (168, 35268), (191, 35328), (194, 35349),

Gene: Toni_36 Start: 34696, Stop: 35295, Start Num: 91

Candidate Starts for Toni_36:

(27, 34492), (34, 34516), (44, 34558), (49, 34576), (53, 34591), (Start: 91 @34696 has 423 MA's), (103, 34726), (106, 34738), (117, 34777), (122, 34792), (135, 34846), (148, 34891), (150, 34897), (152, 34903), (154, 34909), (161, 34954), (162, 34957), (168, 34984), (191, 35044), (194, 35065),

Gene: Toni_35 Start: 34052, Stop: 34699, Start Num: 88

Candidate Starts for Toni_35:

(70, 34013), (Start: 84 @34049 has 90 MA's), (Start: 88 @34052 has 177 MA's), (Start: 115 @34133 has 1 MA's), (150, 34268), (168, 34355), (185, 34400), (200, 34478), (218, 34529), (225, 34556), (227, 34574), (243, 34652), (252, 34685), (256, 34691),

Gene: Tonitrus_48 Start: 36438, Stop: 37013, Start Num: 97

Candidate Starts for Tonitrus_48:

(Start: 97 @36438 has 4 MA's), (98, 36441), (105, 36471), (107, 36480), (114, 36504), (120, 36522), (134, 36582), (137, 36588), (139, 36594), (148, 36630), (156, 36669), (159, 36675), (209, 36837), (222, 36876), (227, 36900), (229, 36906), (235, 36939), (250, 36990),

Gene: TooFast2Furius_38 Start: 35225, Stop: 35824, Start Num: 91

Candidate Starts for TooFast2Furius_38:

(27, 35021), (34, 35045), (44, 35087), (49, 35105), (53, 35120), (Start: 91 @35225 has 423 MA's), (103, 35255), (106, 35267), (117, 35306), (122, 35321), (135, 35375), (148, 35420), (150, 35426), (152, 35432), (154, 35438), (161, 35483), (162, 35486), (168, 35513), (191, 35573), (194, 35594), (219, 35672),

Gene: TooFast2Furius_37 Start: 34581, Stop: 35228, Start Num: 88

Candidate Starts for TooFast2Furius_37:

(42, 34431), (70, 34542), (Start: 84 @34578 has 90 MA's), (Start: 88 @34581 has 177 MA's), (Start: 115 @34662 has 1 MA's), (150, 34797), (168, 34884), (185, 34929), (200, 35007), (218, 35058), (225, 35085), (227, 35103), (243, 35181), (252, 35214), (256, 35220),

Gene: Tooj_36 Start: 34409, Stop: 35056, Start Num: 88

Candidate Starts for Tooj_36:

(70, 34370), (Start: 84 @34406 has 90 MA's), (Start: 88 @34409 has 177 MA's), (Start: 115 @34490 has 1 MA's), (150, 34625), (168, 34712), (185, 34757), (200, 34835), (218, 34886), (225, 34913), (227, 34931), (243, 35009), (252, 35042), (256, 35048),

Gene: Tooj_37 Start: 35053, Stop: 35652, Start Num: 91

Candidate Starts for Tooj_37:

(27, 34849), (34, 34873), (44, 34915), (49, 34933), (53, 34948), (Start: 91 @35053 has 423 MA's), (103, 35083), (106, 35095), (117, 35134), (122, 35149), (135, 35203), (148, 35248), (150, 35254), (152, 35260), (154, 35266), (161, 35311), (162, 35314), (168, 35341), (191, 35401), (194, 35422), (219, 35500),

Gene: Tres_36 Start: 34684, Stop: 35328, Start Num: 86

Candidate Starts for Tres_36:

(37, 34519), (61, 34630), (Start: 86 @34684 has 45 MA's), (Start: 89 @34693 has 1 MA's), (112, 34762), (118, 34789), (121, 34798), (124, 34807), (150, 34915), (154, 34927), (181, 35020), (195, 35086), (200, 35107), (205, 35122), (207, 35128), (214, 35149), (220, 35161), (254, 35317),

Gene: Tres_38 Start: 35474, Stop: 36073, Start Num: 91

Candidate Starts for Tres_38:

(82, 35453), (Start: 91 @35474 has 423 MA's), (103, 35504), (109, 35525), (117, 35555), (118, 35558), (135, 35624), (150, 35675), (151, 35678), (152, 35681), (158, 35711), (161, 35732), (184, 35798), (192, 35828), (217, 35918), (219, 35921), (223, 35939), (227, 35963), (243, 36032), (251, 36059),

Gene: True_36 Start: 34693, Stop: 35292, Start Num: 91

Candidate Starts for True_36:

(27, 34489), (34, 34513), (44, 34555), (49, 34573), (53, 34588), (Start: 91 @34693 has 423 MA's), (103, 34723), (106, 34735), (117, 34774), (122, 34789), (135, 34843), (148, 34888), (150, 34894), (152, 34900), (154, 34906), (161, 34951), (162, 34954), (168, 34981), (191, 35041), (194, 35062), (219, 35140),

Gene: True_35 Start: 34049, Stop: 34696, Start Num: 88

Candidate Starts for True_35:

(70, 34010), (Start: 84 @34046 has 90 MA's), (Start: 88 @34049 has 177 MA's), (Start: 115 @34130 has 1 MA's), (150, 34265), (168, 34352), (185, 34397), (200, 34475), (218, 34526), (225, 34553), (227, 34571), (243, 34649), (252, 34682), (256, 34688),

Gene: Trypo_37 Start: 34989, Stop: 35588, Start Num: 91

Candidate Starts for Trypo_37:

(26, 34782), (27, 34785), (34, 34809), (44, 34851), (49, 34869), (53, 34884), (Start: 91 @34989 has 423 MA's), (103, 35019), (106, 35031), (117, 35070), (122, 35085), (135, 35139), (148, 35184), (150,

35190), (152, 35196), (154, 35202), (161, 35247), (162, 35250), (168, 35277), (191, 35337), (194, 35358), (212, 35421), (219, 35436),

Gene: Trypo_36 Start: 34345, Stop: 34992, Start Num: 88

Candidate Starts for Trypo_36:

(70, 34306), (Start: 84 @34342 has 90 MA's), (Start: 88 @34345 has 177 MA's), (Start: 115 @34426 has 1 MA's), (150, 34561), (168, 34648), (185, 34693), (199, 34762), (200, 34771), (218, 34822), (227, 34867), (243, 34945), (252, 34978), (256, 34984),

Gene: Tydolla_36 Start: 35014, Stop: 35667, Start Num: 85

Candidate Starts for Tydolla_36:

(Start: 85 @35014 has 45 MA's), (112, 35095), (117, 35119), (149, 35242), (183, 35368), (190, 35383), (203, 35458), (244, 35623), (245, 35626), (252, 35653),

Gene: Tydolla_37 Start: 35664, Stop: 36263, Start Num: 91

Candidate Starts for Tydolla_37:

(Start: 91 @35664 has 423 MA's), (103, 35694), (112, 35721), (131, 35808), (135, 35814), (154, 35877), (158, 35901), (161, 35922), (191, 36012), (212, 36096), (217, 36108), (230, 36168), (251, 36249),

Gene: TyrionL_36 Start: 34552, Stop: 35151, Start Num: 91

Candidate Starts for TyrionL_36:

(26, 34345), (27, 34348), (34, 34372), (44, 34414), (49, 34432), (53, 34447), (Start: 91 @34552 has 423 MA's), (103, 34582), (106, 34594), (117, 34633), (122, 34648), (135, 34702), (148, 34747), (150, 34753), (152, 34759), (154, 34765), (161, 34810), (162, 34813), (168, 34840), (191, 34900), (194, 34921), (212, 34984), (219, 34999),

Gene: TyrionL_35 Start: 33905, Stop: 34555, Start Num: 84

Candidate Starts for TyrionL_35:

(70, 33869), (Start: 84 @33905 has 90 MA's), (Start: 88 @33908 has 177 MA's), (Start: 115 @33989 has 1 MA's), (150, 34124), (168, 34211), (185, 34256), (199, 34325), (200, 34334), (218, 34385), (227, 34430), (243, 34508), (252, 34541), (256, 34547),

Gene: UAch1_37 Start: 35002, Stop: 35601, Start Num: 91

Candidate Starts for UAch1_37:

(27, 34798), (34, 34822), (44, 34864), (49, 34882), (53, 34897), (Start: 91 @35002 has 423 MA's), (103, 35032), (106, 35044), (117, 35083), (122, 35098), (135, 35152), (148, 35197), (150, 35203), (152, 35209), (154, 35215), (161, 35260), (162, 35263), (168, 35290), (191, 35350), (194, 35371), (219, 35449),

Gene: UAch1_36 Start: 34355, Stop: 35005, Start Num: 84

Candidate Starts for UAch1_36:

(70, 34319), (Start: 84 @34355 has 90 MA's), (Start: 88 @34358 has 177 MA's), (Start: 115 @34439 has 1 MA's), (150, 34574), (168, 34661), (185, 34706), (200, 34784), (218, 34835), (225, 34862), (227, 34880), (243, 34958), (252, 34991), (256, 34997),

Gene: UncleHowie_36 Start: 34045, Stop: 34695, Start Num: 84

Candidate Starts for UncleHowie_36:

(70, 34009), (Start: 84 @34045 has 90 MA's), (Start: 88 @34048 has 177 MA's), (Start: 115 @34129 has 1 MA's), (150, 34264), (168, 34351), (185, 34396), (200, 34474), (218, 34525), (225, 34552), (227, 34570), (243, 34648), (252, 34681), (256, 34687),

Gene: UncleHowie_37 Start: 34692, Stop: 35291, Start Num: 91

Candidate Starts for UncleHowie_37:

(27, 34488), (34, 34512), (44, 34554), (49, 34572), (53, 34587), (Start: 91 @34692 has 423 MA's), (103, 34722), (106, 34734), (117, 34773), (122, 34788), (135, 34842), (148, 34887), (150, 34893), (152, 34899), (154, 34905), (161, 34950), (162, 34953), (168, 34980), (191, 35040), (194, 35061), (219, 35139),

Gene: Usavi_37 Start: 34993, Stop: 35592, Start Num: 91

Candidate Starts for Usavi_37:

(27, 34789), (34, 34813), (44, 34855), (49, 34873), (53, 34888), (Start: 91 @34993 has 423 MA's), (103, 35023), (106, 35035), (117, 35074), (122, 35089), (135, 35143), (148, 35188), (150, 35194), (152, 35200), (154, 35206), (161, 35251), (162, 35254), (168, 35281), (191, 35341), (194, 35362), (219, 35440),

Gene: Usavi_36 Start: 34349, Stop: 34996, Start Num: 88

Candidate Starts for Usavi_36:

(70, 34310), (Start: 84 @34346 has 90 MA's), (Start: 88 @34349 has 177 MA's), (Start: 115 @34430 has 1 MA's), (150, 34565), (168, 34652), (185, 34697), (200, 34775), (218, 34826), (225, 34853), (227, 34871), (243, 34949), (252, 34982), (256, 34988),

Gene: Vaishali24_36 Start: 34654, Stop: 35253, Start Num: 91

Candidate Starts for Vaishali24_36:

(27, 34450), (34, 34474), (44, 34516), (49, 34534), (53, 34549), (Start: 91 @34654 has 423 MA's), (103, 34684), (106, 34696), (117, 34735), (122, 34750), (135, 34804), (148, 34849), (150, 34855), (152, 34861), (154, 34867), (161, 34912), (162, 34915), (168, 34942), (191, 35002), (194, 35023), (219, 35101),

Gene: Vaishali24_35 Start: 34010, Stop: 34657, Start Num: 88

Candidate Starts for Vaishali24_35:

(42, 33860), (70, 33971), (Start: 84 @34007 has 90 MA's), (Start: 88 @34010 has 177 MA's), (Start: 115 @34091 has 1 MA's), (150, 34226), (168, 34313), (185, 34358), (200, 34436), (218, 34487), (225, 34514), (227, 34532), (243, 34610), (252, 34643), (256, 34649),

Gene: Valjean_36 Start: 34341, Stop: 34988, Start Num: 88

Candidate Starts for Valjean_36:

(42, 34191), (70, 34302), (Start: 84 @34338 has 90 MA's), (Start: 88 @34341 has 177 MA's), (Start: 115 @34422 has 1 MA's), (150, 34557), (168, 34644), (185, 34689), (200, 34767), (218, 34818), (225, 34845), (227, 34863), (243, 34941), (252, 34974), (256, 34980),

Gene: Valjean_37 Start: 34985, Stop: 35584, Start Num: 91

Candidate Starts for Valjean_37:

(27, 34781), (34, 34805), (44, 34847), (49, 34865), (53, 34880), (Start: 91 @34985 has 423 MA's), (103, 35015), (106, 35027), (117, 35066), (122, 35081), (135, 35135), (148, 35180), (150, 35186), (152, 35192), (154, 35198), (161, 35243), (162, 35246), (168, 35273), (191, 35333), (194, 35354),

Gene: Vaticameos_36 Start: 34036, Stop: 34686, Start Num: 84

Candidate Starts for Vaticameos_36:

(70, 34000), (Start: 84 @34036 has 90 MA's), (Start: 88 @34039 has 177 MA's), (Start: 115 @34120 has 1 MA's), (150, 34255), (168, 34342), (185, 34387), (200, 34465), (218, 34516), (225, 34543), (227, 34561), (243, 34639), (252, 34672), (256, 34678),

Gene: Veritas_36 Start: 34555, Stop: 35154, Start Num: 91

Candidate Starts for Veritas_36:

(26, 34348), (27, 34351), (34, 34375), (44, 34417), (49, 34435), (53, 34450), (Start: 91 @34555 has 423 MA's), (103, 34585), (106, 34597), (117, 34636), (122, 34651), (135, 34705), (148, 34750), (150, 34756), (152, 34762), (154, 34768), (161, 34813), (162, 34816), (168, 34843), (191, 34903), (194, 34924), (212, 34987), (219, 35002),

Gene: Veritas_35 Start: 33911, Stop: 34558, Start Num: 88

Candidate Starts for Veritas_35:

(70, 33872), (Start: 84 @33908 has 90 MA's), (Start: 88 @33911 has 177 MA's), (Start: 115 @33992 has 1 MA's), (150, 34127), (168, 34214), (185, 34259), (199, 34328), (200, 34337), (218, 34388), (227, 34433), (243, 34511), (252, 34544), (256, 34550),

Gene: Vic9_00037 Start: 35977, Stop: 36576, Start Num: 91

Candidate Starts for Vic9_00037:

(82, 35956), (Start: 91 @35977 has 423 MA's), (103, 36007), (109, 36028), (117, 36058), (118, 36061), (135, 36127), (150, 36178), (151, 36181), (152, 36184), (158, 36214), (161, 36235), (184, 36301), (192, 36331), (201, 36376), (217, 36421), (219, 36424), (223, 36442), (227, 36466), (243, 36535), (251, 36562),

Gene: Vic9_00036 Start: 35196, Stop: 35831, Start Num: 89

Candidate Starts for Vic9_00036:

(22, 34986), (Start: 86 @35187 has 45 MA's), (Start: 89 @35196 has 1 MA's), (112, 35265), (118, 35292), (121, 35301), (124, 35310), (146, 35406), (150, 35418), (154, 35430), (181, 35523), (195, 35589), (200, 35610), (205, 35625), (207, 35631), (214, 35652), (220, 35664), (254, 35820),

Gene: Vincenzo_34 Start: 35254, Stop: 35907, Start Num: 67

Candidate Starts for Vincenzo_34:

(Start: 67 @35254 has 25 MA's), (110, 35347), (128, 35428), (135, 35443), (143, 35467), (144, 35476), (145, 35479), (148, 35488), (159, 35536), (170, 35590), (172, 35593), (174, 35602), (177, 35608), (179, 35611), (194, 35668), (199, 35680), (219, 35740), (225, 35764), (254, 35896),

Gene: Vincenzo_35 Start: 35904, Stop: 36506, Start Num: 91

Candidate Starts for Vincenzo_35:

(Start: 91 @35904 has 423 MA's), (103, 35937), (106, 35949), (131, 36051), (135, 36057), (141, 36072), (148, 36102), (150, 36108), (152, 36114), (158, 36144), (161, 36165), (184, 36231), (191, 36255), (192, 36261), (194, 36276), (197, 36288), (217, 36351), (219, 36354), (245, 36471), (246, 36474), (251, 36492),

Gene: VioletZ_33 Start: 34605, Stop: 35252, Start Num: 67

Candidate Starts for VioletZ_33:

(Start: 67 @34605 has 25 MA's), (105, 34683), (108, 34695), (126, 34767), (144, 34821), (145, 34824), (148, 34833), (159, 34881), (170, 34935), (177, 34953), (194, 35013), (199, 35025), (225, 35109), (227, 35127), (246, 35214), (247, 35217), (254, 35241),

Gene: VioletZ_34 Start: 35249, Stop: 35854, Start Num: 91

Candidate Starts for VioletZ_34:

(Start: 91 @35249 has 423 MA's), (103, 35285), (112, 35312), (117, 35336), (118, 35339), (131, 35399), (135, 35405), (148, 35450), (151, 35459), (152, 35462), (153, 35465), (158, 35492), (161, 35513), (168, 35543), (192, 35609), (194, 35624), (212, 35687), (227, 35744), (246, 35822), (251, 35840),

Gene: Virapocalypse_37 Start: 34980, Stop: 35579, Start Num: 91

Candidate Starts for Virapocalypse_37:

(27, 34776), (34, 34800), (44, 34842), (49, 34860), (53, 34875), (Start: 91 @34980 has 423 MA's), (103, 35010), (106, 35022), (117, 35061), (122, 35076), (135, 35130), (148, 35175), (150, 35181), (152, 35187), (154, 35193), (161, 35238), (162, 35241), (168, 35268), (191, 35328), (194, 35349), (219, 35427),

Gene: Virapocalypse_36 Start: 34336, Stop: 34983, Start Num: 88

Candidate Starts for Virapocalypse_36:

(42, 34186), (70, 34297), (Start: 84 @34333 has 90 MA's), (Start: 88 @34336 has 177 MA's), (Start: 115 @34417 has 1 MA's), (150, 34552), (168, 34639), (185, 34684), (200, 34762), (218, 34813), (225, 34840), (227, 34858), (243, 34936), (252, 34969), (256, 34975),

Gene: Virgeve_36 Start: 34760, Stop: 35359, Start Num: 91

Candidate Starts for Virgeve_36:

(27, 34556), (34, 34580), (44, 34622), (49, 34640), (53, 34655), (Start: 91 @34760 has 423 MA's), (103, 34790), (106, 34802), (117, 34841), (122, 34856), (135, 34910), (148, 34955), (150, 34961), (152, 34967), (154, 34973), (161, 35018), (162, 35021), (168, 35048), (194, 35129), (212, 35192), (219, 35207),

Gene: Virgeve_35 Start: 34116, Stop: 34763, Start Num: 88

Candidate Starts for Virgeve_35:

(42, 33966), (70, 34077), (Start: 84 @34113 has 90 MA's), (Start: 88 @34116 has 177 MA's), (Start: 115 @34197 has 1 MA's), (150, 34332), (168, 34419), (185, 34464), (200, 34542), (218, 34593), (225, 34620), (227, 34638), (243, 34716), (252, 34749), (256, 34755),

Gene: Vista_36 Start: 34346, Stop: 34996, Start Num: 84

Candidate Starts for Vista_36:

(70, 34310), (Start: 84 @34346 has 90 MA's), (Start: 88 @34349 has 177 MA's), (Start: 115 @34430 has 1 MA's), (150, 34565), (168, 34652), (185, 34697), (200, 34775), (218, 34826), (225, 34853), (227, 34871), (243, 34949), (252, 34982), (256, 34988),

Gene: Vista_37 Start: 34993, Stop: 35592, Start Num: 91

Candidate Starts for Vista_37:

(27, 34789), (34, 34813), (44, 34855), (49, 34873), (53, 34888), (Start: 91 @34993 has 423 MA's), (103, 35023), (106, 35035), (117, 35074), (122, 35089), (135, 35143), (148, 35188), (150, 35194), (152, 35200), (154, 35206), (161, 35251), (162, 35254), (168, 35281), (191, 35341), (194, 35362), (219, 35440),

Gene: Vivaldi_36 Start: 34375, Stop: 35025, Start Num: 84

Candidate Starts for Vivaldi_36:

(42, 34228), (70, 34339), (Start: 84 @34375 has 90 MA's), (Start: 88 @34378 has 177 MA's), (Start: 115 @34459 has 1 MA's), (150, 34594), (168, 34681), (185, 34726), (200, 34804), (218, 34855), (225, 34882), (227, 34900), (243, 34978), (252, 35011), (256, 35017),

Gene: Vivaldi_37 Start: 35022, Stop: 35621, Start Num: 91

Candidate Starts for Vivaldi_37:

(27, 34818), (34, 34842), (44, 34884), (49, 34902), (53, 34917), (Start: 91 @35022 has 423 MA's), (103, 35052), (106, 35064), (117, 35103), (122, 35118), (135, 35172), (148, 35217), (150, 35223), (152, 35229), (154, 35235), (161, 35280), (162, 35283), (168, 35310), (191, 35370), (194, 35391), (219, 35469),

Gene: Vortex_36 Start: 34052, Stop: 34702, Start Num: 84

Candidate Starts for Vortex_36:

(70, 34016), (Start: 84 @34052 has 90 MA's), (Start: 88 @34055 has 177 MA's), (Start: 115 @34136 has 1 MA's), (150, 34271), (168, 34358), (185, 34403), (200, 34481), (218, 34532), (225, 34559), (227, 34577), (243, 34655), (252, 34688), (256, 34694),

Gene: Vortex_37 Start: 34699, Stop: 35298, Start Num: 91

Candidate Starts for Vortex_37:

(27, 34495), (34, 34519), (44, 34561), (49, 34579), (53, 34594), (Start: 91 @34699 has 423 MA's), (103, 34729), (106, 34741), (117, 34780), (122, 34795), (135, 34849), (148, 34894), (150, 34900), (152, 34906), (154, 34912), (161, 34957), (162, 34960), (168, 34987), (191, 35047), (194, 35068), (219, 35146),

Gene: Waleliano_34 Start: 35176, Stop: 35781, Start Num: 91

Candidate Starts for Waleliano_34:

(1, 34603), (3, 34720), (7, 34774), (8, 34783), (18, 34906), (27, 34975), (34, 34999), (49, 35056), (Start: 91 @35176 has 423 MA's), (103, 35212), (112, 35239), (117, 35263), (118, 35266), (135, 35332), (148, 35377), (151, 35386), (152, 35389), (153, 35392), (158, 35419), (161, 35440), (162, 35443), (168, 35470), (192, 35536), (194, 35551), (212, 35614), (227, 35671), (246, 35749), (251, 35767),

Gene: Waleliano_33 Start: 34532, Stop: 35179, Start Num: 67

Candidate Starts for Waleliano_33:

(Start: 67 @34532 has 25 MA's), (105, 34610), (108, 34622), (126, 34694), (137, 34718), (143, 34739), (144, 34748), (145, 34751), (148, 34760), (159, 34808), (177, 34880), (194, 34940), (199, 34952), (219, 35012), (225, 35036), (227, 35054), (246, 35141), (247, 35144), (254, 35168),

Gene: Wallhey_35 Start: 33909, Stop: 34559, Start Num: 84

Candidate Starts for Wallhey_35:

(70, 33873), (Start: 84 @33909 has 90 MA's), (Start: 88 @33912 has 177 MA's), (Start: 115 @33993 has 1 MA's), (150, 34128), (168, 34215), (185, 34260), (199, 34329), (200, 34338), (218, 34389), (227, 34434), (243, 34512), (252, 34545), (256, 34551),

Gene: Wallhey_36 Start: 34556, Stop: 35155, Start Num: 91

Candidate Starts for Wallhey_36:

(26, 34349), (27, 34352), (34, 34376), (44, 34418), (49, 34436), (53, 34451), (Start: 91 @34556 has 423 MA's), (103, 34586), (106, 34598), (117, 34637), (122, 34652), (135, 34706), (148, 34751), (150, 34757), (152, 34763), (154, 34769), (161, 34814), (162, 34817), (168, 34844), (191, 34904), (194, 34925), (212, 34988), (219, 35003),

Gene: Waterdiva_37 Start: 34985, Stop: 35584, Start Num: 91

Candidate Starts for Waterdiva_37:

(27, 34781), (34, 34805), (44, 34847), (49, 34865), (53, 34880), (Start: 91 @34985 has 423 MA's), (103, 35015), (106, 35027), (117, 35066), (122, 35081), (135, 35135), (148, 35180), (150, 35186), (152, 35192), (154, 35198), (161, 35243), (162, 35246), (168, 35273), (191, 35333), (194, 35354), (219, 35432),

Gene: Waterdiva_36 Start: 34338, Stop: 34988, Start Num: 84

Candidate Starts for Waterdiva_36:

(70, 34302), (Start: 84 @34338 has 90 MA's), (Start: 88 @34341 has 177 MA's), (Start: 115 @34422 has 1 MA's), (150, 34557), (168, 34644), (185, 34689), (200, 34767), (218, 34818), (225, 34845), (227, 34863), (243, 34941), (252, 34974), (256, 34980),

Gene: Weher20_36 Start: 34340, Stop: 34987, Start Num: 88

Candidate Starts for Weher20_36:

(70, 34301), (Start: 84 @34337 has 90 MA's), (Start: 88 @34340 has 177 MA's), (Start: 115 @34421 has 1 MA's), (150, 34556), (168, 34643), (185, 34688), (199, 34757), (200, 34766), (218, 34817), (227, 34862), (243, 34940), (252, 34973), (256, 34979),

Gene: Weher20_37 Start: 34984, Stop: 35583, Start Num: 91

Candidate Starts for Weher20_37:

(26, 34777), (27, 34780), (34, 34804), (44, 34846), (49, 34864), (53, 34879), (Start: 91 @34984 has 423 MA's), (103, 35014), (106, 35026), (117, 35065), (122, 35080), (135, 35134), (148, 35179), (150, 35185), (152, 35191), (154, 35197), (161, 35242), (162, 35245), (168, 35272), (194, 35353), (212, 35416), (219, 35431),

Gene: West99_36 Start: 34804, Stop: 35448, Start Num: 86

Candidate Starts for West99_36:

(37, 34639), (61, 34750), (Start: 86 @34804 has 45 MA's), (Start: 89 @34813 has 1 MA's), (112, 34882), (118, 34909), (121, 34918), (124, 34927), (150, 35035), (154, 35047), (181, 35140), (195, 35206), (200, 35227), (205, 35242), (207, 35248), (214, 35269), (220, 35281), (254, 35437),

Gene: West99_38 Start: 35594, Stop: 36193, Start Num: 91

Candidate Starts for West99_38:

(82, 35573), (Start: 91 @35594 has 423 MA's), (103, 35624), (109, 35645), (117, 35675), (118, 35678), (135, 35744), (150, 35795), (151, 35798), (152, 35801), (158, 35831), (161, 35852), (184, 35918), (192, 35948), (217, 36038), (219, 36041), (223, 36059), (227, 36083), (243, 36152), (251, 36179),

Gene: Windsor_35 Start: 34045, Stop: 34692, Start Num: 88

Candidate Starts for Windsor_35:

(42, 33895), (70, 34006), (Start: 84 @34042 has 90 MA's), (Start: 88 @34045 has 177 MA's), (Start: 115 @34126 has 1 MA's), (150, 34261), (168, 34348), (185, 34393), (200, 34471), (218, 34522), (225, 34549), (227, 34567), (243, 34645), (252, 34678), (256, 34684),

Gene: Windsor_36 Start: 34689, Stop: 35288, Start Num: 91

Candidate Starts for Windsor_36:

(27, 34485), (34, 34509), (44, 34551), (49, 34569), (53, 34584), (Start: 91 @34689 has 423 MA's), (103, 34719), (106, 34731), (117, 34770), (122, 34785), (135, 34839), (148, 34884), (150, 34890), (152, 34896), (154, 34902), (161, 34947), (162, 34950), (168, 34977), (194, 35058), (212, 35121), (219, 35136),

Gene: Wooper_32 Start: 30073, Stop: 30669, Start Num: 91

Candidate Starts for Wooper_32:

(34, 29896), (44, 29935), (46, 29944), (49, 29953), (61, 30007), (65, 30019), (Start: 91 @30073 has 423 MA's), (103, 30103), (131, 30217), (135, 30223), (150, 30274), (152, 30280), (161, 30331), (184, 30397), (190, 30409), (201, 30472), (211, 30502), (219, 30520), (221, 30529), (251, 30655),

Gene: Wooper_31 Start: 29462, Stop: 30076, Start Num: 95

Candidate Starts for Wooper_31:

(36, 29270), (Start: 95 @29462 has 16 MA's), (Start: 97 @29465 has 4 MA's), (114, 29531), (119, 29546), (122, 29555), (128, 29594), (136, 29615), (141, 29630), (149, 29663), (158, 29702), (159, 29705), (161, 29723), (163, 29729), (183, 29777), (227, 29951), (245, 30035), (254, 30065),

Gene: Xavier_35 Start: 34059, Stop: 34709, Start Num: 84

Candidate Starts for Xavier_35:

(70, 34023), (Start: 84 @34059 has 90 MA's), (Start: 88 @34062 has 177 MA's), (Start: 115 @34143 has 1 MA's), (150, 34278), (168, 34365), (185, 34410), (200, 34488), (218, 34539), (225, 34566), (227, 34584), (243, 34662), (252, 34695), (256, 34701),

Gene: Xavier_36 Start: 34706, Stop: 35305, Start Num: 91

Candidate Starts for Xavier_36:

(27, 34502), (34, 34526), (44, 34568), (49, 34586), (53, 34601), (Start: 91 @34706 has 423 MA's), (103, 34736), (106, 34748), (117, 34787), (122, 34802), (135, 34856), (148, 34901), (150, 34907), (152, 34913), (154, 34919), (161, 34964), (162, 34967), (168, 34994), (191, 35054), (194, 35075), (219, 35153),

Gene: Xincheng_32 Start: 33987, Stop: 34634, Start Num: 67

Candidate Starts for Xincheng_32:

(Start: 67 @33987 has 25 MA's), (105, 34065), (108, 34077), (126, 34149), (137, 34173), (143, 34194), (144, 34203), (145, 34206), (148, 34215), (159, 34263), (170, 34317), (177, 34335), (194, 34395), (199, 34407), (219, 34467), (225, 34491), (227, 34509), (246, 34596), (254, 34623),

Gene: Xincheng_33 Start: 34631, Stop: 35236, Start Num: 91

Candidate Starts for Xincheng_33:

(Start: 91 @34631 has 423 MA's), (103, 34667), (106, 34679), (112, 34694), (117, 34718), (118, 34721), (135, 34787), (148, 34832), (151, 34841), (152, 34844), (153, 34847), (154, 34850), (158, 34874), (161, 34895), (168, 34925), (191, 34985), (194, 35006), (212, 35069), (217, 35081), (227, 35126), (246, 35204), (251, 35222),

Gene: Yago84_29 Start: 28425, Stop: 29039, Start Num: 95

Candidate Starts for Yago84_29:

(Start: 95 @28425 has 16 MA's), (101, 28440), (114, 28494), (122, 28518), (128, 28557), (149, 28626), (150, 28629), (159, 28668), (163, 28692), (181, 28734), (187, 28746), (195, 28800), (239, 28971), (243, 28992), (245, 28998), (254, 29028),

Gene: Yago84_30 Start: 29036, Stop: 29665, Start Num: 91

Candidate Starts for Yago84_30:

(34, 28859), (Start: 91 @29036 has 423 MA's), (103, 29066), (112, 29093), (131, 29180), (135, 29186), (149, 29234), (152, 29243), (158, 29273), (161, 29294), (173, 29339), (182, 29357), (184, 29360), (219, 29483), (221, 29492), (223, 29501),

Gene: Yahalom_37 Start: 34940, Stop: 35539, Start Num: 91

Candidate Starts for Yahalom_37:

(Start: 91 @34940 has 423 MA's), (103, 34970), (112, 34997), (131, 35084), (135, 35090), (154, 35153), (158, 35177), (161, 35198), (191, 35288), (212, 35372), (217, 35384), (230, 35444), (245, 35504), (251, 35525),

Gene: Yahalom_36 Start: 34290, Stop: 34943, Start Num: 85

Candidate Starts for Yahalom_36:

(Start: 85 @34290 has 45 MA's), (112, 34371), (117, 34395), (149, 34518), (183, 34644), (190, 34659), (203, 34734), (244, 34899), (252, 34929),

Gene: Yeshua_31 Start: 29439, Stop: 30053, Start Num: 95

Candidate Starts for Yeshua_31:

(36, 29247), (Start: 95 @29439 has 16 MA's), (Start: 97 @29442 has 4 MA's), (114, 29508), (119, 29523), (122, 29532), (128, 29571), (136, 29592), (141, 29607), (149, 29640), (158, 29679), (159, 29682), (161, 29700), (163, 29706), (183, 29754), (227, 29928), (245, 30012), (254, 30042),

Gene: Yeshua_32 Start: 30050, Stop: 30646, Start Num: 91

Candidate Starts for Yeshua_32:

(34, 29873), (44, 29912), (46, 29921), (49, 29930), (61, 29984), (65, 29996), (Start: 91 @30050 has 423 MA's), (103, 30080), (131, 30194), (135, 30200), (150, 30251), (152, 30257), (161, 30308), (184, 30374), (190, 30386), (201, 30449), (211, 30479), (219, 30497), (221, 30506), (251, 30632),

Gene: Yinz_37 Start: 34966, Stop: 35565, Start Num: 91

Candidate Starts for Yinz_37:

(26, 34762), (Start: 91 @34966 has 423 MA's), (103, 34996), (112, 35023), (131, 35110), (135, 35116), (154, 35179), (158, 35203), (191, 35314), (212, 35398), (217, 35410), (230, 35470), (251, 35551),

Gene: Yinz_36 Start: 34316, Stop: 34969, Start Num: 85

Candidate Starts for Yinz_36:

(Start: 85 @34316 has 45 MA's), (112, 34397), (149, 34544), (183, 34670), (190, 34685), (203, 34760), (244, 34925), (252, 34955),

Gene: Yoshand_37 Start: 34992, Stop: 35591, Start Num: 91

Candidate Starts for Yoshand_37:

(27, 34788), (34, 34812), (44, 34854), (49, 34872), (53, 34887), (Start: 91 @34992 has 423 MA's), (103, 35022), (106, 35034), (117, 35073), (122, 35088), (135, 35142), (148, 35187), (150, 35193), (152, 35199), (154, 35205), (161, 35250), (162, 35253), (168, 35280), (191, 35340), (194, 35361), (219, 35439),

Gene: Yoshand_36 Start: 34345, Stop: 34995, Start Num: 84

Candidate Starts for Yoshand_36:

(70, 34309), (Start: 84 @34345 has 90 MA's), (Start: 88 @34348 has 177 MA's), (Start: 115 @34429 has 1 MA's), (150, 34564), (168, 34651), (185, 34696), (200, 34774), (218, 34825), (225, 34852), (227, 34870), (243, 34948), (252, 34981), (256, 34987),

Gene: YouGoGlencoco_36 Start: 34340, Stop: 34990, Start Num: 84

Candidate Starts for YouGoGlencoco_36:

(70, 34304), (Start: 84 @34340 has 90 MA's), (Start: 88 @34343 has 177 MA's), (Start: 115 @34424 has 1 MA's), (150, 34559), (168, 34646), (185, 34691), (200, 34769), (218, 34820), (225, 34847), (227, 34865), (243, 34943), (252, 34976), (256, 34982),

Gene: YouGoGlencoco_37 Start: 34987, Stop: 35586, Start Num: 91

Candidate Starts for YouGoGlencoco_37:

(27, 34783), (34, 34807), (44, 34849), (49, 34867), (53, 34882), (Start: 91 @34987 has 423 MA's), (103, 35017), (106, 35029), (117, 35068), (122, 35083), (135, 35137), (148, 35182), (150, 35188), (152, 35194), (154, 35200), (161, 35245), (162, 35248), (168, 35275), (191, 35335), (194, 35356), (219, 35434),

Gene: Zaider_37 Start: 34573, Stop: 35220, Start Num: 88

Candidate Starts for Zaider_37:

(42, 34423), (70, 34534), (Start: 84 @34570 has 90 MA's), (Start: 88 @34573 has 177 MA's), (Start: 115 @34654 has 1 MA's), (150, 34789), (168, 34876), (185, 34921), (200, 34999), (218, 35050), (225, 35077), (227, 35095), (243, 35173), (252, 35206), (256, 35212),

Gene: Zaider_38 Start: 35217, Stop: 35816, Start Num: 91

Candidate Starts for Zaider_38:

(27, 35013), (34, 35037), (44, 35079), (49, 35097), (53, 35112), (Start: 91 @35217 has 423 MA's), (103, 35247), (106, 35259), (117, 35298), (122, 35313), (135, 35367), (148, 35412), (150, 35418), (152, 35424), (154, 35430), (161, 35475), (162, 35478), (168, 35505), (191, 35565), (194, 35586), (219, 35664),

Gene: Zelda_37 Start: 35034, Stop: 35633, Start Num: 91

Candidate Starts for Zelda_37:

(27, 34830), (34, 34854), (44, 34896), (49, 34914), (53, 34929), (Start: 91 @35034 has 423 MA's), (103, 35064), (106, 35076), (117, 35115), (122, 35130), (135, 35184), (148, 35229), (150, 35235), (152, 35241), (154, 35247), (161, 35292), (162, 35295), (168, 35322), (191, 35382), (194, 35403), (219, 35481),

Gene: Zelda_36 Start: 34390, Stop: 35037, Start Num: 88

Candidate Starts for Zelda_36:

(42, 34240), (70, 34351), (Start: 84 @34387 has 90 MA's), (Start: 88 @34390 has 177 MA's), (Start: 115 @34471 has 1 MA's), (150, 34606), (168, 34693), (185, 34738), (200, 34816), (218, 34867), (225, 34894), (227, 34912), (243, 34990), (252, 35023), (256, 35029),

Gene: Zemanar_34 Start: 34535, Stop: 35182, Start Num: 67

Candidate Starts for Zemanar_34:

(Start: 67 @34535 has 25 MA's), (105, 34613), (108, 34625), (126, 34697), (137, 34721), (144, 34751), (145, 34754), (148, 34763), (159, 34811), (170, 34865), (177, 34883), (194, 34943), (199, 34955), (225, 35039), (227, 35057), (246, 35144), (247, 35147), (254, 35171),

Gene: Zemanar_35 Start: 35179, Stop: 35784, Start Num: 91

Candidate Starts for Zemanar_35:

(Start: 91 @35179 has 423 MA's), (103, 35215), (112, 35242), (117, 35266), (118, 35269), (131, 35329), (135, 35335), (148, 35380), (151, 35389), (152, 35392), (153, 35395), (158, 35422), (161, 35443), (168, 35473), (192, 35539), (194, 35554), (212, 35617), (227, 35674), (246, 35752), (251, 35770),

Gene: Zenteno07_41 Start: 34598, Stop: 35206, Start Num: 91

Candidate Starts for Zenteno07_41:

(65, 34544), (Start: 91 @34598 has 423 MA's), (96, 34604), (103, 34628), (131, 34742), (135, 34748), (152, 34805), (219, 35045), (221, 35054), (234, 35132), (246, 35174),

Gene: Zenteno07_40 Start: 33957, Stop: 34601, Start Num: 90

Candidate Starts for Zenteno07_40:

(58, 33867), (63, 33891), (71, 33909), (75, 33915), (Start: 90 @33957 has 18 MA's), (119, 34050), (123, 34062), (158, 34209), (161, 34230), (175, 34284), (195, 34362), (247, 34566), (254, 34590),

Gene: Zonia_36 Start: 34362, Stop: 35009, Start Num: 88

Candidate Starts for Zonia_36:

(70, 34323), (Start: 84 @34359 has 90 MA's), (Start: 88 @34362 has 177 MA's), (Start: 115 @34443 has 1 MA's), (150, 34578), (168, 34665), (185, 34710), (199, 34779), (200, 34788), (218, 34839), (227, 34884), (243, 34962), (252, 34995), (256, 35001),

Gene: Zonia_37 Start: 35006, Stop: 35605, Start Num: 91

Candidate Starts for Zonia_37:

(26, 34799), (27, 34802), (34, 34826), (44, 34868), (49, 34886), (53, 34901), (Start: 91 @35006 has 423 MA's), (103, 35036), (106, 35048), (117, 35087), (122, 35102), (135, 35156), (148, 35201), (150, 35207), (152, 35213), (154, 35219), (161, 35264), (162, 35267), (168, 35294), (191, 35354), (194, 35375), (212, 35438), (219, 35453),