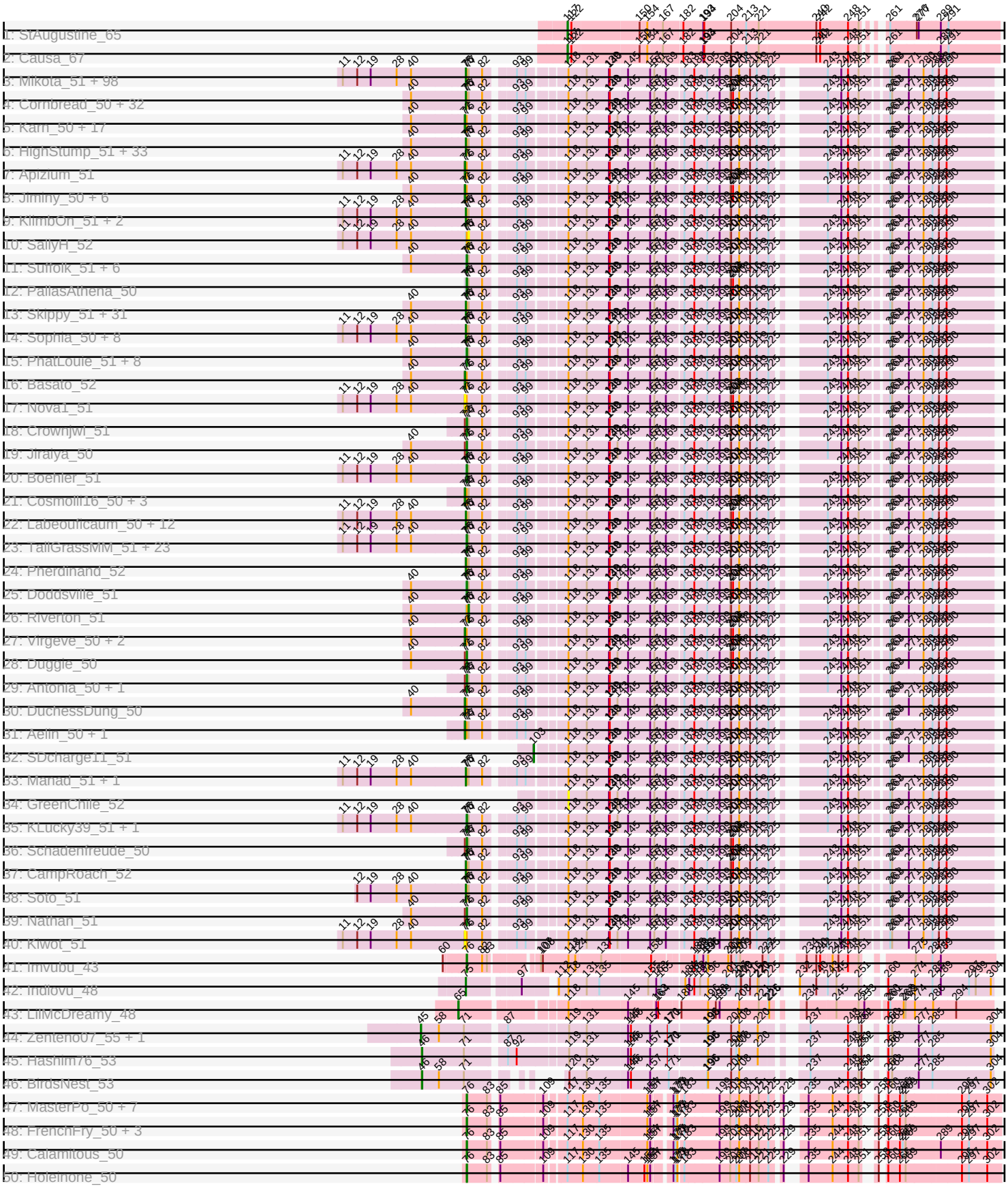
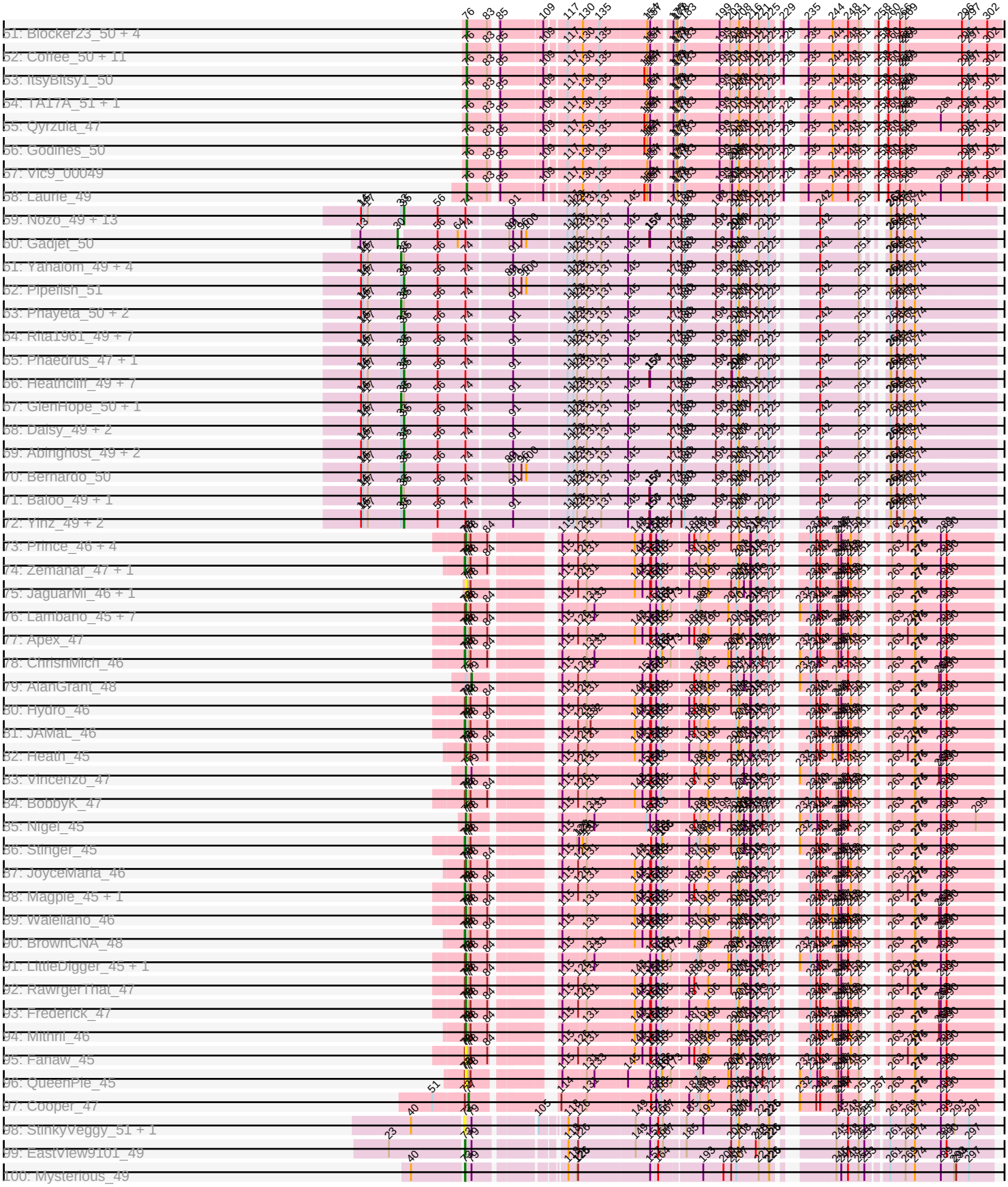
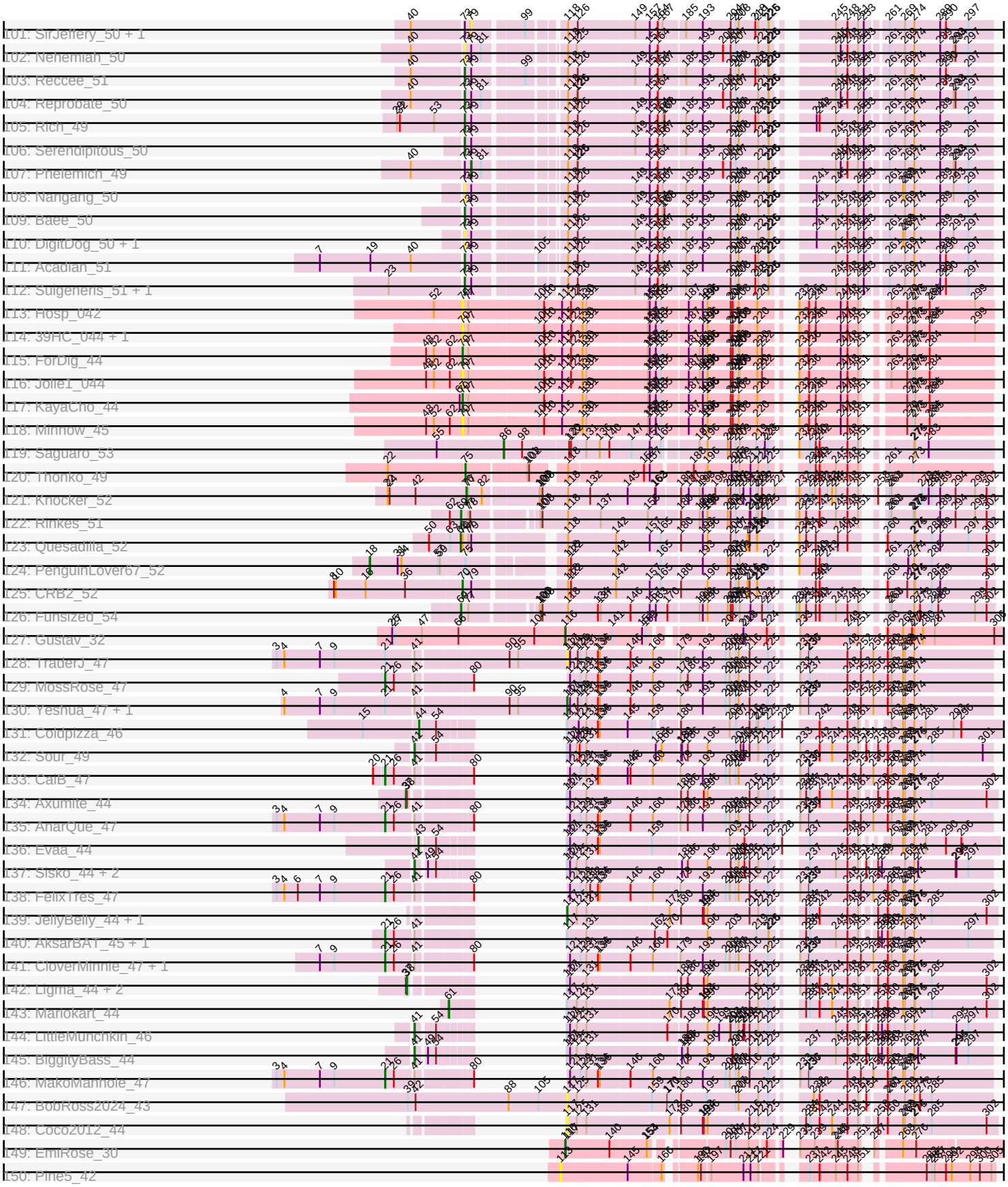
Pham 347069


1: StAugustine_65
2: Causa_67
3: Mikota_51 + 98
4: Cornbread_50 + 32
5: Kam_50 + 17
6: HighStump_51 + 33
7: Apizium_51
8: Jiminy_50 + 6
9: KlimbOn_51 + 2
10: SallyH_52
11: Suffolk_51 + 6
12: PallasAthena_50
13: Skippy_51 + 31
14: Sophia_50 + 8
15: PhatLoulie_51 + 8
16: Basato_52
17: Nova1_51
18: Crownjwl_51
19: Jiraiya_50
20: Boehler_51
21: Cosmolli16_50 + 3
22: Labeoulicaum_50 + 12
23: TallGrassMM_51 + 23
24: Pherdinand_52
25: Doddsville_51
26: Riverton_51
27: Virgeve_50 + 2
28: Duggie_50
29: Antonia_50 + 1
30: DuchessDung_50
31: Aelin_50 + 1
32: SDcharge11_51
33: Manad_51 + 1
34: GreenChile_52
35: KLucky39_51 + 1
36: Schadenfreude_50
37: CampRoach_52
38: Soto_51
39: Nathan_51
40: Kiwot_51
41: Imvubu_43
42: Indiovu_48
43: LilMcDreamy_48
44: Zenteno07_55 + 1
45: Hashim76_53
46: BirdsNest_53
47: MasterPo_50 + 7
48: FrenchFry_50 + 3
49: Calamitous_50
50: Holeinone_50

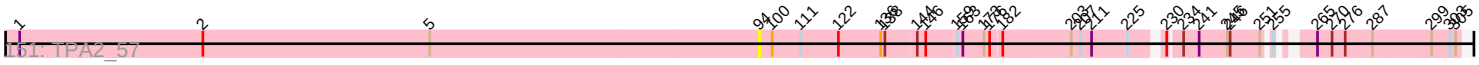
Pham 347069



Pham 347069


I01: SirJeffery_50 + 1
I02: Nehemiah_50
I03: Reccee_51
I04: Reprobate_50
I05: Rich_49
I06: Serendipitous_50
I07: Phelemich_49
I08: Nangang_50
I09: Baee_50
I10: DigitDog_50 + 1
I11: Acadian_51
I12: Suigeneris_51 + 1
I13: Hosp_042
I14: 39HC_044 + 1
I15: ForDig_44
I16: Jolie1_044
I17: KayaCho_44
I18: Minnow_45
I19: Saguaro_53
I20: Thonko_49
I21: Knocker_52
I22: Rinkes_51
I23: Quesadilla_52
I24: PenguinLover67_52
I25: CRB2_52
I26: Funsized_54
I27: Gustav_32
I28: TraderJ_47
I29: MossRose_47
I30: Yeshua_47 + 1
I31: Coldpizza_46
I32: Sour_49
I33: CalB_47
I34: Axumite_44
I35: AnarQue_47
I36: Evaa_44
I37: Sisko_44 + 2
I38: FelixTres_47
I39: JellyBelly_44 + 1
I40: AksarBAT_45 + 1
I41: CloverMinnie_47 + 1
I42: Ligma_44 + 2
I43: Mariokart_44
I44: LittleMunchkin_46
I45: BiggityBass_44
I46: MakoManhole_47
I47: BobRoss2024_43
I48: Coco2012_44
I49: EmiRose_30
I50: Pine5_42

Pham 347069


1
2
5
94
100
111
122
182
225
230
234
241
251
255
287
299
303
161: TPA2_57

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 347069 Report

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

Pham number 347069 has 533 members, 63 are drafts.

Phages represented in each track:
• Track 1 : StAugustine_65
• Track 2 : Causa_67
• Track 3 : Mikota_51, Fozzie_50, CamL_51, Mosaic_50, Grand2040_50, Altwerkus_50, BlueHusk_51, MRabcd_50, ThreeOh3D2_52, Windsor_50, LeiMonet_51, True_50, Daka_52, ShiVal_51, YouGoGlencoco_51, Lehmann_51, Serendipity_51, Kloppinator_52, IsaacEli_52, Fringe_52, DirtJuice_51, Mesmerelda_50, Toni_50, Chorkpop_51, Pipsqueak_51, Virapocalypse_51, Burr_50, Morty_52, Vaticameos_47, Spartan300_51, Prickles_51, ShadowBud_51, JangoPhett_51, Horchata_51, Solosis_50, Timmi_50, Riggan_51, Mcshane_50, Olive_51, Swish_52, BlackStallion_52, Quisquiliae_51, Phipps_51, Jillium_50, Slatt_51, Gareth_50, Kikipoo_52, Robyn_50, DaddyDaniels_51, Lasso_51, Tooj_51, QueenBeane_51, Mana_50, Olak_50, Dingo_51, Roscoe_52, Haleema_50, Puhltonio_51, Longacauda_50, Khan1_50, Lego3393_50, FluffyNinja_52, Sigman_52, Aonishiki_51, Badfish_52, LemonSlice_51, Morgushi_51, Bluephacebaby_50, FriarPreacher_50, Septica_50, EmpTee_51, Podrick_51, Cannibal_51, Beaglebox_50, Buckeye_51, Sheila_51, Samaymay_51, Scrick_51, LostAndPhound_50, Katniss_52, Dice_50, Pacifista_50, Chaelin_51, Kwadwo_50, Cher_50, Scoot17C_52, Held_51, Simielle_50, Vaishali24_50, Roliet_51, Phamished_52, Nyala_50, Chah_53, Triad_51, JacAttac_52, Megatron_52, Banjo_50, Vortex_51, Tomlarah_51
• Track 4 : Cornbread_50, Weher20_51, ImtiyazSitla_51, Dati_51, Emiris_52, Trypo_52, CharlieGBrown_50, Maskar_51, Phergie_51, BatteryCK_50, Phleuron_50, Etaye_51, Melc17_51, MichaelPhcott_50, PhenghisKhan_50, KingTut_42, PhrankReynolds_49, Inchworm_52, Gwennie1_51, Oline_50, Carthage_49, Mag7_50, Ashraf_51, Gophee_51, Kailash_51, MelsMeow_51, Happabalu_51, Lumine_50, Durga_52, Magic8_51, Kwksand96_50, Cobra_51, HogWash_51
• Track 5 : Karn_50, Coletti_51, BlacksBerry_50, Flake_51, Jbug01_51, Chuni_51, Keitherie_51, Larson_53, Taraxa_51, FleetyMac_51, PinheadLarry_51, Thunderbird_50, OneBrain_52, Hekos_48, Salazzle_51, Chute_51, Aleia_51, Vectra_50
• Track 6 : HighStump_51, Hartsy_51, Piglet_0051, Kahve_50, Omniscient_51, Eugenia_51, Mutante_50, Placalicious_50, Zaider_52, Frankicide_51, Surely_51, Childish_50, ABU_52, TooFast2Furius_52, Serpentine_0051, Soile_51, Nacho_0052, Vista_51, Waterdiva_51, UncleHowie_51, Iridessa_51, Mecca_50, Kimbrough_51, Craff_52, Matalotodo_51, Zelda_51, Brilliant_51, Charles1_51, Usavi_51, Murdoc_51, Squiggle_51, FugateOSU_50, OliverWalter_51, PG1_52
• Track 7 : Apizium_51

• Track 8 : Jiminy_50, JakeO_50, Struggle_50, Hocus_50, JDog_50, Plata_50, Nehme_50
• Track 9 : KlimbOn_51, Newman_51, Inverness_51
• Track 10 : SallyH_52
• Track 11 : Suffolk_51, Orwigg_50, FremontTroll_50, Oosterbaan_51, Anderson_51, Lulumae_50, Chunky_51
• Track 12 : PallasAthena_50
• Track 13 : Skippy_51, Roy17_51, HSavage_51, Cornobble_50, Haimas_51, Dione_50, Lulwa_51, CheetO_51, Hamish_51, Bishoperium_50, Nicole21_51, Freya_50, RedRaider89_52, DoesntMatter_50, ElvisPhasley_52, Phareon_51, Hertubise_51, Caspiboi_50, PhrodoBaggins_51, LasagnaCat_52, Thora_51, LuckyMarjie_50, Eremos_51, Telesworld_50, RedMaple_51, Phunky_51, Giraffe_51, Iridoclysis_51, Numberten_51, Harvey_51, OSmaximus_52, Plmatters_51
• Track 14 : Sophia_50, Andre_52, Hetaeria_51, UAch1_51, Fang_52, ProfessorX_51, Pops_51, Gyarad_0051, DonSanchon_50
• Track 15 : PhatLouie_51, DolOn_54, Valjean_51, Mulan_51, HenryJackson_50, AngelCake_51, LeeLot_51, Swiphy_51, Gwilliam_51
• Track 16 : Basato_52
• Track 17 : Nova1_51
• Track 18 : Crownjwl_51
• Track 19 : Jiraiya_50
• Track 20 : Boehler_51
• Track 21 : Cosmolli16_50, AbsoluteMadLad_50, AltPhacts_51, Mesh1_51
• Track 22 : Labeouficaum_50, Derpp_50, Squid_51, MitKao_51, Zonia_51, Wallhey_50, Potter_50, TyrionL_50, TomBombadil_51, GeneCoco_51, SassyCat97_50, Xavier_50, Pinkman_50
• Track 23 : TallGrassMM_51, Maru_50, Chipette_52, Daffy_51, MrPhizzler_51, MiniBoss_51, DelRivs_50, Jesabah_51, Rimu_51, Selr12_51, Ricotta_50, Legolas_51, SirBeauregard_51, Adriana_52, Orion_52, Colbert_51, KingVeVeVe_51, Megamind20_51, PhatCats2014_52, Orfeu_50, Azuria_50, NiaNia_54, Yoshand_52, SilverBell_51
• Track 24 : Pherdinand_52
• Track 25 : Doddsville_51
• Track 26 : Riverton_51
• Track 27 : Virgeve_50, Schueller_50, Veritas_50
• Track 28 : Duggie_50
• Track 29 : Antonia_50, Vivaldi_52
• Track 30 : DuchessDung_50
• Track 31 : Aelin_50, EmGer13_51
• Track 32 : SDcharge11_51
• Track 33 : Manad_51, Lopsy_50
• Track 34 : GreenChile_52
• Track 35 : KLucky39_51, BoogieWoogie_51
• Track 36 : Schadenfreude_50
• Track 37 : CampRoach_52
• Track 38 : Soto_51
• Track 39 : Nathan_51
• Track 40 : Kiwot_51
• Track 41 : Imvubu_43
• Track 42 : Indlovu_48
• Track 43 : LilMcDreamy_48
• Track 44 : Zenteno07_55, LittleMinkey_56
• Track 45 : Hashim76_53

• Track 46 : BirdsNest_53
• Track 47 : MasterPo_50, Bananafish_50, Phantasmagoria_50, Kolhan_50, Faze9_49, Eaglehorse_50, Boyle_50, Ares_50
• Track 48 : FrenchFry_50, Lars_50, Glass_50, LizLemon_50
• Track 49 : Calamitous_50
• Track 50 : Holeinone_50
• Track 51 : Blocker23_50, Lephleur_50, LilSmirk_50, Kheth_50, Rhinoforte_50
• Track 52 : Coffee_50, Arbiter_49, Tinciduntsolum_51, Kaleb_50, Brownie5_50, West99_50, Opia_50, Hedgerow_50, PrinceCharming_50, Allegro_50, Tres_50, Rosebush_49
• Track 53 : ItsyBitsy1_50
• Track 54 : TA17A_51, Sabella_49
• Track 55 : Qyrzula_47
• Track 56 : Godines_50
• Track 57 : Vic9_00049
• Track 58 : Laurie_49
• Track 59 : Nozo_49, Philly_48, Compostia_50, Corofin_49, Morty007_49, Halfpint_48, Chandler_49, OrangeOswald_49, SynergyX_49, Jackstina_46, Kamiyu_49, Akoma_49, Tydolla_49, Chentzyk_49
• Track 60 : Gadjet_50
• Track 61 : Yahalom_49, LestyG_49, Olivio_48, RomaT_49, Kronus_48
• Track 62 : Pipefish_51
• Track 63 : Phayeta_50, Marlia_49, SlippinJimmy_49
• Track 64 : Rita1961_49, Obutu_49, Gervas_49, Mortcellus_48, Mulaychimus_49, MmasiCarm_49, Glubnar_50, SwainyDoc_49
• Track 65 : Phaedrus_47, Shenandoah_49
• Track 66 : Heathcliff_49, HarveySr_49, Devonte_49, Deenasa_49, Athena_50, Briakila_50, Chalmers_49, RagingRooster_49
• Track 67 : GlenHope_50, Marley1013_49
• Track 68 : Daisy_49, TinyTerror_49, Neos5_49
• Track 69 : Abinghost_49, Casbah_48, Phlyer_49
• Track 70 : Bernardo_50
• Track 71 : Baloo_49, Audrey_49
• Track 72 : Yinz_49, ChaChing_49, Ben11_48
• Track 73 : Prince_46, VioletZ_48, Austelle_47, Lolalove_47, Mudslide_46
• Track 74 : Zemanar_47, Hangman_46
• Track 75 : JaguarMi_46, Xincheng_45
• Track 76 : Lambano_45, Epah_45, GinPorsche_46, Hally898_45, Antihero_45, Nanao_45, Ahwei_45, Poster_45
• Track 77 : Apex_47
• Track 78 : ChrisnMich_46
• Track 79 : AlanGrant_48
• Track 80 : Hydro_46
• Track 81 : JAMaL_46
• Track 82 : Heath_45
• Track 83 : Vincenzo_47
• Track 84 : BobbyK_47
• Track 85 : Nigel_45
• Track 86 : Stinger_45
• Track 87 : JoyceMaria_46
• Track 88 : Magpie_45, Fortunato_47
• Track 89 : Waleliano_46
• Track 90 : BrownCNA_48

- Track 91 : LittleDigger_45, Renkei_45
- Track 92 : RawrgerThat_47
- Track 93 : Frederick_47
- Track 94 : Mithril_46
- Track 95 : Fanaw_45
- Track 96 : QueenPie_45
- Track 97 : Cooper_47
- Track 98 : StinkyVeggy_51, KarasumaRum_51
- Track 99 : EastView9101_49
- Track 100 : Mysterious_49
- Track 101 : SirJeffery_50, Rita130_50
- Track 102 : Nehemiah_50
- Track 103 : Reccee_51
- Track 104 : Reprobate_50
- Track 105 : Rich_49
- Track 106 : Serendipitous_50
- Track 107 : Phelemich_49
- Track 108 : Nangang_50
- Track 109 : Baee_50
- Track 110 : DigitDog_50, Shenyu_50
- Track 111 : Acadian_51
- Track 112 : Suigeneris_51, Donny_51
- Track 113 : Hosp_042
- Track 114 : 39HC_044, 40BC_044
- Track 115 : ForDig_44
- Track 116 : Jolie1_044
- Track 117 : KayaCho_44
- Track 118 : Minnow_45
- Track 119 : Saguaro_53
- Track 120 : Thonko_49
- Track 121 : Knocker_52
- Track 122 : Rinkes_51
- Track 123 : Quesadilla_52
- Track 124 : PenguinLover67_52
- Track 125 : CRB2_52
- Track 126 : Funsized_54
- Track 127 : Gustav_32
- Track 128 : TraderJ_47
- Track 129 : MossRose_47
- Track 130 : Yeshua_47, Wooper_47
- Track 131 : Coldpizza_46
- Track 132 : Sour_49
- Track 133 : CaiB_47
- Track 134 : Axumite_44
- Track 135 : AnarQue_47
- Track 136 : Evaa_44
- Track 137 : Sisko_44, AnClar_45, Yago84_44
- Track 138 : FelixTres_47
- Track 139 : JellyBelly_44, CharlottesWeb_44
- Track 140 : AksarBAT_45, NHagos_45
- Track 141 : CloverMinnie_47, Blackpen_47
- Track 142 : Ligma_44, Fresco_44, Shatter_44
- Track 143 : Mariokart_44

• Track 144 : LittleMunchkin_46
• Track 145 : BiggityBass_44
• Track 146 : MakoManhole_47
• Track 147 : BobRoss2024_43
• Track 148 : Coco2012_44
• Track 149 : EmiRose_30
• Track 150 : Pine5_42
• Track 151 : TPA2_57

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

The start number called the most often in the published annotations is 75, it was called in 243 of the 470 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ABU_52, Ahwei_45, Altwerkus_50, Andre_52, Antihero_45, Aonishiki_51, Ashraf_51, Austelle_47, Badfish_52, Banjo_50, BatteryCK_50, Beaglebox_50, Bishoperium_50, BlackStallion_52, BlueHusk_51, Bluephacebaby_50, BobbyK_47, Brilliant_51, Buckeye_51, Burr_50, CamL_51, CampRoach_52, Cannibal_51, Carthage_49, Caspiboi_50, Chaelin_51, Chah_53, Charles1_51, CharlieGBrown_50, CheetO_51, Cher_50, Childish_50, Chorkpop_51, Cobra_51, Cornbread_50, Cornobble_50, Craff_52, DaddyDaniels_51, Daka_52, Dati_51, Derpp_50, Dice_50, Dingo_51, Dione_50, DirtJuice_51, DoesntMatter_50, DonSanchon_50, Durga_52, ElvisPhasley_52, Emiris_52, EmpTee_51, Epah_45, Eremos_51, Etaye_51, Eugenia_51, Fanaw_45, Fang_52, FluffyNinja_52, Fozzie_50, Frankicide_51, Frederick_47, Freya_50, FriarPreacher_50, Fringe_52, FugateOSU_50, Gareth_50, GeneCoco_51, GinPorsche_46, Giraffe_51, Gophee_51, Grand2040_50, Gwennie1_51, Gyarad_0051, HSavage_51, Haimas_51, Haleema_50, Hally898_45, Hamish_51, Happabalu_51, Hartsy_51, Harvey_51, Heath_45, Held_51, Hertubise_51, Hetaeria_51, HighStump_51, HogWash_51, Horchata_51, Hydro_46, ImtiyazSitla_51, Inchworm_52, Indlovu_48, Inverness_51, Iridessa_51, Iridoclysis_51, IsaacEli_52, JacAttac_52, JaguarMi_46, JangoPhett_51, Jillium_50, JoyceMaria_46, Kahve_50, Kailash_51, Katniss_52, Khan1_50, Kikipoo_52, Kimbrough_51, KingTut_42, KlimbOn_51, Kloppinator_52, Kwadwo_50, Kwksand96_50, Labeouficaum_50, Lambano_45, LasagnaCat_52, Lasso_51, Lego3393_50, Lehmann_51, LeiMonet_51, LemonSlice_51, LittleDigger_45, Lolalove_47, Longacauda_50, Lopsy_50, LostAndPhound_50, LuckyMarjie_50, Lulwa_51, Lumine_50, MRabcd_50, Mag7_50, Magic8_51, Mana_50, Manad_51, Maskar_51, Matalotodo_51, Mcshane_50, Mecca_50, Megatron_52, Melc17_51, MelsMeow_51, Mesmerelda_50, MichaelPhcott_50, Mikota_51, MitKao_51, Mithril_46, Morgushi_51, Morty_52, Mosaic_50, Mudslide_46, Murdoc_51, Mutante_50, Nacho_0052, Nanao_45, Newman_51, Nicole21_51, Nigel_45, Numberten_51, Nyala_50, OSmaximus_52, Olak_50, Oline_50, Olive_51, OliverWalter_51, Omniscient_51, PG1_52, Pacifista_50, Phamished_52, Phareon_51, PhenghisKhan_50, Pherdinand_52, Phergie_51, Phipps_51, Phleuron_50, PhrankReynolds_49, PhrodoBaggins_51, Phunky_51, Piglet_0051, Pinkman_50, Pipsqueak_51, Placalicious_50, Plmatters_51, Podrick_51, Pops_51, Poster_45, Potter_50, Prickles_51, Prince_46, ProfessorX_51, Puhltonio_51, QueenBeane_51, QueenPie_45, Quisquiliae_51, RawrgerThat_47, RedMaple_51, RedRaider89_52, Renkei_45, Riggan_51, Robyn_50, Roliet_51, Roscoe_52, Roy17_51,

Samaymay_51, SassyCat97_50, Scoot17C_52, Scrick_51, Septica_50, Serendipity_51, Serpentine_0051, ShadowBud_51, Sheila_51, ShiVal_51, Sigman_52, Simielle_50, Skippy_51, Slatt_51, Soile_51, Solosis_50, Sophia_50, Soto_51, Spartan300_51, Squid_51, Squiggle_51, Surely_51, Swish_52, Telesworld_50, Thonko_49, Thora_51, ThreeOh3D2_52, Timmi_50, TomBombadil_51, Tomlarah_51, Toni_50, TooFast2Furius_52, Tooj_51, Triad_51, True_50, Trypo_52, TyrionL_50, UAch1_51, UncleHowie_51, Usavi_51, Vaishali24_50, Vaticameos_47, Vincenzo_47, VioletZ_48, Virapocalypse_51, Vista_51, Vortex_51, Waleliano_46, Wallhey_50, Waterdiva_51, Weher20_51, Windsor_50, Xavier_50, Xincheng_45, YouGoGlencoco_51, Zaider_52, Zelda_51, Zonia_51,

Genes that have the "Most Annotated" start but do not call it:
• Adriana_52, AlanGrant_48, Anderson_51, AngelCake_51, Apex_47, Azuria_50, Boehler_51, BoogieWoogie_51, BrownCNA_48, Chipette_52, ChrisnMich_46, Chunky_51, Colbert_51, Daffy_51, DelRivs_50, Doddsville_51, DolOn_54, Fortunato_47, FremontTroll_50, Gwilliam_51, Hangman_46, HenryJackson_50, JAMaL_46, Jesabah_51, KLucky39_51, KingVeVeVe_51, LeeLot_51, Legolas_51, Lulumae_50, Magpie_45, Maru_50, Megamind20_51, MiniBoss_51, MrPhizzler_51, Mulan_51, NiaNia_54, Oosterbaan_51, Orfeu_50, Orion_52, Orwigg_50, PallasAthena_50, PenguinLover67_52, PhatCats2014_52, PhatLouie_51, Ricotta_50, Rimu_51, Riverton_51, SallyH_52, Selr12_51, SilverBell_51, SirBeauregard_51, Stinger_45, Suffolk_51, Swiphy_51, TallGrassMM_51, Valjean_51, Yoshand_52, Zemanar_47,

Genes that do not have the "Most Annotated" start:
• 39HC_044, 40BC_044, Abinghost_49, AbsoluteMadLad_50, Acadian_51, Aelin_50, Akoma_49, AksarBAT_45, Aleia_51, Allegro_50, AltPhacts_51, AnClar_45, AnarQue_47, Antonia_50, Apizium_51, Arbiter_49, Ares_50, Athena_50, Audrey_49, Axumite_44, Baee_50, Baloo_49, Bananafish_50, Basato_52, Ben11_48, Bernardo_50, BiggityBass_44, BirdsNest_53, Blackpen_47, BlacksBerry_50, Blocker23_50, BobRoss2024_43, Boyle_50, Briakila_50, Brownie5_50, CRB2_52, CaiB_47, Calamitous_50, Casbah_48, Causa_67, ChaChing_49, Chalmers_49, Chandler_49, CharlottesWeb_44, Chentzyk_49, Chuni_51, Chute_51, CloverMinnie_47, Coco2012_44, Coffee_50, Coldpizza_46, Coletti_51, Compostia_50, Cooper_47, Corofin_49, Cosmolli16_50, Crownjwl_51, Daisy_49, Deenasa_49, Devonte_49, DigitDog_50, Donny_51, DuchessDung_50, Duggie_50, Eaglehorse_50, EastView9101_49, EmGer13_51, EmiRose_30, Evaa_44, Faze9_49, FelixTres_47, Flake_51, FleetyMac_51, ForDig_44, FrenchFry_50, Fresco_44, Funsized_54, Gadjet_50, Gervas_49, Glass_50, GlenHope_50, Glubnar_50, Godines_50, GreenChile_52, Gustav_32, Halfpint_48, HarveySr_49, Hashim76_53, Heathcliff_49, Hedgerow_50, Hekos_48, Hocus_50, Holeinone_50, Hosp_042, Imvubu_43, ItsyBitsy1_50, JDog_50, Jackstina_46, JakeO_50, Jbug01_51, JellyBelly_44, Jiminy_50, Jiraiya_50, Jolie1_044, Kaleb_50, Kamiyu_49, KarasumaRum_51, Karn_50, KayaCho_44, Keitherie_51, Kheth_50, Kiwot_51, Knocker_52, Kolhan_50, Kronus_48, Lars_50, Larson_53, Laurie_49, Lephleur_50, LestyG_49, Ligma_44, LilMcDreamy_48, LilSmirk_50, LittleMinkey_56, LittleMunchkin_46, LizLemon_50, MakoManhole_47, Mariokart_44, Marley1013_49, Marlia_49, MasterPo_50, Mesh1_51, Minnow_45, MmasiCarm_49, Mortcellus_48, Morty007_49, MossRose_47, Mulaychimus_49, Mysterious_49, NHagos_45, Nangang_50, Nathan_51, Nehemiah_50, Nehme_50, Neos5_49, Nova1_51, Nozo_49, Obutu_49, Olivio_48, OneBrain_52, Opia_50, OrangeOswald_49, Phaedrus_47, Phantasmagoria_50, Phayeta_50, Phelemich_49, Philly_48,

Phlyer_49, Pine5_42, PinheadLarry_51, Pipefish_51, Plata_50, PrinceCharming_50, Quesadilla_52, Qyrzula_47, RagingRooster_49, Reccee_51, Reprobate_50, Rhinoforte_50, Rich_49, Rinkes_51, Rita130_50, Rita1961_49, RomaT_49, Rosebush_49, SDcharge11_51, Sabella_49, Saguaro_53, Salazzle_51, Schadenfreude_50, Schueller_50, Serendipitous_50, Shatter_44, Shenandoah_49, Shenyu_50, SirJeffery_50, Sisko_44, SlippinJimmy_49, Sour_49, StAugustine_65, StinkyVeggy_51, Struggle_50, Suigeneris_51, SwainyDoc_49, SynergyX_49, TA17A_51, TPA2_57, Taraxa_51, Thunderbird_50, Tinciduntsolum_51, TinyTerror_49, TraderJ_47, Tres_50, Tydolla_49, Vectra_50, Veritas_50, Vic9_00049, Virgeve_50, Vivaldi_52, West99_50, Wooper_47, Yago84_44, Yahalom_49, Yeshua_47, Yinz_49, Zenteno07_55,

Summary by start number:

Start 18:
• Found in 1 of 533 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 470
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PenguinLover67_52 (B9),

Start 21:
• Found in 12 of 533 (2.3%) of genes in pham
• Manual Annotations of this start: 7 of 470
• Called 75.0% of time when present
• Phage (with cluster) where this start called: AksarBAT_45 (DR), AnarQue_47 (DR), Blackpen_47 (DR), CaiB_47 (DR), CloverMinnie_47 (DR), FelixTres_47 (DR), MakoManhole_47 (DR), MossRose_47 (DR), NHagos_45 (DR),

Start 30:
• Found in 1 of 533 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 470
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gadjet_50 (B3),

Start 33:
• Found in 55 of 533 (10.3%) of genes in pham
• Manual Annotations of this start: 9 of 470
• Called 21.8% of time when present
• Phage (with cluster) where this start called: Audrey_49 (B3), Baloo_49 (B3), GlenHope_50 (B3), Kronus_48 (B3), LestyG_49 (B3), Marley1013_49 (B3), Marlia_49 (B3), Olivio_48 (B3), Phayeta_50 (B3), RomaT_49 (B3), SlippinJimmy_49 (B3), Yahalom_49 (B3),

Start 35:
• Found in 55 of 533 (10.3%) of genes in pham
• Manual Annotations of this start: 43 of 470
• Called 78.2% of time when present
• Phage (with cluster) where this start called: Abinghost_49 (B3), Akoma_49 (B3), Athena_50 (B3), Ben11_48 (B3), Bernardo_50 (B3), Briakila_50 (B3), Casbah_48 (B3), ChaChing_49 (B3), Chalmers_49 (B3), Chandler_49 (B3), Chentzyk_49 (B3), Compostia_50 (B3), Corofin_49 (B3), Daisy_49 (B3), Deenasa_49 (B3), Devonte_49 (B3), Gervas_49 (B3), Glubnar_50 (B3), Halfpint_48 (B3), HarveySr_49 (B3), Heathcliff_49 (B3), Jackstina_46 (B3), Kamiyu_49 (B3), MmasiCarm_49 (B3),

Mortcellus_48 (B3), Morty007_49 (B3), Mulaychimus_49 (B3), Neos5_49 (B3), Nozo_49 (B3), Obutu_49 (B3), OrangeOswald_49 (B3), Phaedrus_47 (B3), Philly_48 (B3), Phlyer_49 (B3), Pipefish_51 (B3), RagingRooster_49 (B3), Rita1961_49 (B3), Shenandoah_49 (B3), SwainyDoc_49 (B3), SynergyX_49 (B3), TinyTerror_49 (B3), Tydolla_49 (B3), Yinz_49 (B3),

Start 37:
• Found in 4 of 533 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 470
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Axumite_44 (DR),

Start 38:
• Found in 4 of 533 (0.8%) of genes in pham
• Manual Annotations of this start: 3 of 470
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Fresco_44 (DR), Ligma_44 (DR), Shatter_44 (DR),

Start 41:
• Found in 18 of 533 (3.4%) of genes in pham
• Manual Annotations of this start: 6 of 470
• Called 33.3% of time when present
• Phage (with cluster) where this start called: AnClar_45 (DR), BiggityBass_44 (DR), LittleMunchkin_46 (DR), Sisko_44 (DR), Sour_49 (DR), Yago84_44 (DR),

Start 43:
• Found in 1 of 533 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 470
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Evaa_44 (DR),

Start 44:
• Found in 1 of 533 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 470
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Coldpizza_46 (DR),

Start 45:
• Found in 2 of 533 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 470
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LittleMinkey_56 (B13), Zenteno07_55 (B13),

Start 46:
• Found in 2 of 533 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 470
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdsNest_53 (B13), Hashim76_53 (B13),

Start 61:

• Found in 1 of 533 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 470
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mariokart_44 (DR),

Start 65:
• Found in 1 of 533 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 470
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LilMcDreamy_48 (B12),

Start 68:
• Found in 1 of 533 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 470
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Quesadilla_52 (B9),

Start 69:
• Found in 2 of 533 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 470
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Funsized_54 (B9), Rinkes_51 (B9),

Start 70:
• Found in 9 of 533 (1.7%) of genes in pham
• Manual Annotations of this start: 3 of 470
• Called 88.9% of time when present
• Phage (with cluster) where this start called: 39HC_044 (B6), 40BC_044 (B6), CRB2_52 (B9), ForDig_44 (B6), Hosp_042 (B6), Jolie1_044 (B6), KayaCho_44 (B6), Minnow_45 (B6),

Start 72:
• Found in 81 of 533 (15.2%) of genes in pham
• Manual Annotations of this start: 35 of 470
• Called 59.3% of time when present
• Phage (with cluster) where this start called: AbsoluteMadLad_50 (B1), Aelin_50 (B1), Aleia_51 (B1), AltPhacts_51 (B1), Apex_47 (B4), Apizium_51 (B1), Basato_52 (B1), BlacksBerry_50 (B1), BrownCNA_48 (B4), ChrisnMich_46 (B4), Chuni_51 (B1), Chute_51 (B1), Coletti_51 (B1), Cosmolli16_50 (B1), DuchessDung_50 (B1), EmGer13_51 (B1), Flake_51 (B1), FleetyMac_51 (B1), Fortunato_47 (B4), Hangman_46 (B4), Hekos_48 (B1), Hocus_50 (B1), JAMaL_46 (B4), JDog_50 (B1), JakeO_50 (B1), Jbug01_51 (B1), Jiminy_50 (B1), Karn_50 (B1), Keitherie_51 (B1), Kiwot_51 (B1), Larson_53 (B1), Magpie_45 (B4), Mesh1_51 (B1), Nehme_50 (B1), Nova1_51 (B1), OneBrain_52 (B1), PinheadLarry_51 (B1), Plata_50 (B1), Salazzle_51 (B1), Schueller_50 (B1), Stinger_45 (B4), Struggle_50 (B1), Taraxa_51 (B1), Thunderbird_50 (B1), Vectra_50 (B1), Veritas_50 (B1), Virgeve_50 (B1), Zemanar_47 (B4),

Start 73:
• Found in 19 of 533 (3.6%) of genes in pham
• Manual Annotations of this start: 10 of 470
• Called 84.2% of time when present

• Phage (with cluster) where this start called: Acadian_51 (B5), Baee_50 (B5), DigitDog_50 (B5), Donny_51 (B5), EastView9101_49 (B5), KarasumaRum_51 (B5), Mysterious_49 (B5), Nangang_50 (B5), Nehemiah_50 (B5), Reccee_51 (B5), Reprobate_50 (B5), Rich_49 (B5), Serendipitous_50 (B5), Shenyu_50 (B5), StinkyVeggy_51 (B5), Suigeneris_51 (B5),

Start 75:
• Found in 317 of 533 (59.5%) of genes in pham
• Manual Annotations of this start: 243 of 470
• Called 81.7% of time when present
• Phage (with cluster) where this start called: ABU_52 (B1), Ahwei_45 (B4), Altwerkus_50 (B1), Andre_52 (B1), Antihero_45 (B4), Aonishiki_51 (B1), Ashraf_51 (B1), Austelle_47 (B4), Badfish_52 (B1), Banjo_50 (B1), BatteryCK_50 (B1), Beaglebox_50 (B1), Bishoperium_50 (B1), BlackStallion_52 (B1), BlueHusk_51 (B1), Bluephacebaby_50 (B1), BobbyK_47 (B4), Brilliant_51 (B1), Buckeye_51 (B1), Burr_50 (B1), CamL_51 (B1), CampRoach_52 (B1), Cannibal_51 (B1), Carthage_49 (B1), Caspiboi_50 (B1), Chaelin_51 (B1), Chah_53 (B1), Charles1_51 (B1), CharlieGBrown_50 (B1), CheetO_51 (B1), Cher_50 (B1), Childish_50 (B1), Chorkpop_51 (B1), Cobra_51 (B1), Cornbread_50 (B1), Cornobble_50 (B1), Craff_52 (B1), DaddyDaniels_51 (B1), Daka_52 (B1), Dati_51 (B1), Derpp_50 (B1), Dice_50 (B1), Dingo_51 (B1), Dione_50 (B1), DirtJuice_51 (B1), DoesntMatter_50 (B1), DonSanchon_50 (B1), Durga_52 (B1), ElvisPhasley_52 (B1), Emiris_52 (B1), EmpTee_51 (B1), Epah_45 (B4), Eremos_51 (B1), Etaye_51 (B1), Eugenia_51 (B1), Fanaw_45 (B4), Fang_52 (B1), FluffyNinja_52 (B1), Fozzie_50 (B1), Frankicide_51 (B1), Frederick_47 (B4), Freya_50 (B1), FriarPreacher_50 (B1), Fringe_52 (B1), FugateOSU_50 (B1), Gareth_50 (B1), GeneCoco_51 (B1), GinPorsche_46 (B4), Giraffe_51 (B1), Gophee_51 (B1), Grand2040_50 (B1), Gwennie1_51 (B1), Gyarad_0051 (B1), HSavage_51 (B1), Haimas_51 (B1), Haleema_50 (B1), Hally898_45 (B4), Hamish_51 (B1), Happabalu_51 (B1), Hartsy_51 (B1), Harvey_51 (B1), Heath_45 (B4), Held_51 (B1), Hertubise_51 (B1), Hetaeria_51 (B1), HighStump_51 (B1), HogWash_51 (B1), Horchata_51 (B1), Hydro_46 (B4), ImtiyazSitla_51 (B1), Inchworm_52 (B1), Indlovu_48 (B11), Inverness_51 (B1), Iridessa_51 (B1), Iridoclysis_51 (B1), IsaacEli_52 (B1), JacAttac_52 (B1), JaguarMi_46 (B4), JangoPhett_51 (B1), Jillium_50 (B1), JoyceMaria_46 (B4), Kahve_50 (B1), Kailash_51 (B1), Katniss_52 (B1), Khan1_50 (B1), Kikipoo_52 (B1), Kimbrough_51 (B1), KingTut_42 (B1), KlimbOn_51 (B1), Kloppinator_52 (B1), Kwadwo_50 (B1), Kwksand96_50 (B1), Labeouficaum_50 (B1), Lambano_45 (B4), LasagnaCat_52 (B1), Lasso_51 (B1), Lego3393_50 (B1), Lehmann_51 (B1), LeiMonet_51 (B1), LemonSlice_51 (B1), LittleDigger_45 (B4), Lolalove_47 (B4), Longacauda_50 (B1), Lopsy_50 (B1), LostAndPhound_50 (B1), LuckyMarjie_50 (B1), Lulwa_51 (B1), Lumine_50 (B1), MRabcd_50 (B1), Mag7_50 (B1), Magic8_51 (B1), Mana_50 (B1), Manad_51 (B1), Maskar_51 (B1), Matalotodo_51 (B1), Mcshane_50 (B1), Mecca_50 (B1), Megatron_52 (B1), Melc17_51 (B1), MelsMeow_51 (B1), Mesmerelda_50 (B1), MichaelPhcott_50 (B1), Mikota_51 (B1), MitKao_51 (B1), Mithril_46 (B4), Morgushi_51 (B1), Morty_52 (B1), Mosaic_50 (B1), Mudslide_46 (B4), Murdoc_51 (B1), Mutante_50 (B1), Nacho_0052 (B1), Nanao_45 (B4), Newman_51 (B1), Nicole21_51 (B1), Nigel_45 (B4), Numberten_51 (B1), Nyala_50 (B1), OSmaximus_52 (B1), Olak_50 (B1), Oline_50 (B1), Olive_51 (B1), OliverWalter_51 (B1), Omniscient_51 (B1), PG1_52 (B1), Pacifista_50 (B1), Phamished_52 (B1), Phareon_51 (B1), PhenghisKhan_50 (B1), Pherdinand_52 (B1), Phergie_51 (B1), Phipps_51 (B1), Phleuron_50 (B1), PhrankReynolds_49 (B1), PhrodoBaggins_51 (B1), Phunky_51 (B1), Piglet_0051 (B1), Pinkman_50 (B1), Pipsqueak_51 (B1), Placalicious_50 (B1), Plmatters_51 (B1), Podrick_51 (B1),

Pops_51 (B1), Poster_45 (B4), Potter_50 (B1), Prickles_51 (B1), Prince_46 (B4), ProfessorX_51 (B1), Puhltonio_51 (B1), QueenBeane_51 (B1), QueenPie_45 (B4), Quisquiliae_51 (B1), RawrgerThat_47 (B4), RedMaple_51 (B1), RedRaider89_52 (B1), Renkei_45 (B4), Riggan_51 (B1), Robyn_50 (B1), Roliet_51 (B1), Roscoe_52 (B1), Roy17_51 (B1), Samaymay_51 (B1), SassyCat97_50 (B1), Scoot17C_52 (B1), Scrick_51 (B1), Septica_50 (B1), Serendipity_51 (B1), Serpentine_0051 (B1), ShadowBud_51 (B1), Sheila_51 (B1), ShiVal_51 (B1), Sigman_52 (B1), Simielle_50 (B1), Skippy_51 (B1), Slatt_51 (B1), Soile_51 (B1), Solosis_50 (B1), Sophia_50 (B1), Soto_51 (B1), Spartan300_51 (B1), Squid_51 (B1), Squiggle_51 (B1), Surely_51 (B1), Swish_52 (B1), Telesworld_50 (B1), Thonko_49 (B8), Thora_51 (B1), ThreeOh3D2_52 (B1), Timmi_50 (B1), TomBombadil_51 (B1), Tomlarah_51 (B1), Toni_50 (B1), TooFast2Furius_52 (B1), Tooj_51 (B1), Triad_51 (B1), True_50 (B1), Trypo_52 (B1), TyrionL_50 (B1), UAch1_51 (B1), UncleHowie_51 (B1), Usavi_51 (B1), Vaishali24_50 (B1), Vaticameos_47 (B1), Vincenzo_47 (B4), VioletZ_48 (B4), Virapocalypse_51 (B1), Vista_51 (B1), Vortex_51 (B1), Waleliano_46 (B4), Wallhey_50 (B1), Waterdiva_51 (B1), Weher20_51 (B1), Windsor_50 (B1), Xavier_50 (B1), Xincheng_45 (B4), YouGoGlencoco_51 (B1), Zaider_52 (B1), Zelda_51 (B1), Zonia_51 (B1),

Start 76:
• Found in 361 of 533 (67.7%) of genes in pham
• Manual Annotations of this start: 85 of 470
• Called 25.5% of time when present
• Phage (with cluster) where this start called: Adriana_52 (B1), Allegro_50 (B2), Anderson_51 (B1), AngelCake_51 (B1), Antonia_50 (B1), Arbiter_49 (B2), Ares_50 (B2), Azuria_50 (B1), Bananafish_50 (B2), Blocker23_50 (B2), Boehler_51 (B1), BoogieWoogie_51 (B1), Boyle_50 (B2), Brownie5_50 (B2), Calamitous_50 (B2), Chipette_52 (B1), Chunky_51 (B1), Coffee_50 (B2), Colbert_51 (B1), Crownjwl_51 (B1), Daffy_51 (B1), DelRivs_50 (B1), Doddsville_51 (B1), DolOn_54 (B1), Duggie_50 (B1), Eaglehorse_50 (B2), Faze9_49 (B2), FremontTroll_50 (B1), FrenchFry_50 (B2), Glass_50 (B2), Godines_50 (B2), Gwilliam_51 (B1), Hedgerow_50 (B2), HenryJackson_50 (B1), Holeinone_50 (B2), Imvubu_43 (B10), ItsyBitsy1_50 (B2), Jesabah_51 (B1), Jiraiya_50 (B1), KLucky39_51 (B1), Kaleb_50 (B2), Kheth_50 (B2), KingVeVeVe_51 (B1), Knocker_52 (B9), Kolhan_50 (B2), Lars_50 (B2), Laurie_49 (B2), LeeLot_51 (B1), Legolas_51 (B1), Lephleur_50 (B2), LilSmirk_50 (B2), LizLemon_50 (B2), Lulumae_50 (B1), Maru_50 (B1), MasterPo_50 (B2), Megamind20_51 (B1), MiniBoss_51 (B1), MrPhizzler_51 (B1), Mulan_51 (B1), Nathan_51 (B1), NiaNia_54 (B1), Oosterbaan_51 (B1), Opia_50 (B2), Orfeu_50 (B1), Orion_52 (B1), Orwigg_50 (B1), PallasAthena_50 (B1), Phantasmagoria_50 (B2), PhatCats2014_52 (B1), PhatLouie_51 (B1), PrinceCharming_50 (B2), Qyrzula_47 (B2), Rhinoforte_50 (B2), Ricotta_50 (B1), Rimu_51 (B1), Rosebush_49 (B2), Sabella_49 (B2), Schadenfreude_50 (B1), Selr12_51 (B1), SilverBell_51 (B1), SirBeauregard_51 (B1), Suffolk_51 (B1), Swiphy_51 (B1), TA17A_51 (B2), TallGrassMM_51 (B1), Tinciduntsolum_51 (B2), Tres_50 (B2), Valjean_51 (B1), Vic9_00049 (B2), Vivaldi_52 (B1), West99_50 (B2), Yoshand_52 (B1),

Start 77:
• Found in 334 of 533 (62.7%) of genes in pham
• Manual Annotations of this start: 2 of 470
• Called 0.9% of time when present
• Phage (with cluster) where this start called: Cooper_47 (B4), Riverton_51 (B1), SallyH_52 (B1),

Start 79:
• Found in 23 of 533 (4.3%) of genes in pham
• Manual Annotations of this start: 2 of 470
• Called 17.4% of time when present
• Phage (with cluster) where this start called: AlanGrant_48 (B4), Phelemich_49 (B5), Rita130_50 (B5), SirJeffery_50 (B5),

Start 86:
• Found in 1 of 533 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 470
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Saguaro_53 (B7),

Start 94:
• Found in 1 of 533 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TPA2_57 (singleton),

Start 103:
• Found in 1 of 533 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 470
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SDcharge11_51 (B1),

Start 113:
• Found in 1 of 533 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pine5_42 (singleton),

Start 116:
• Found in 2 of 533 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 470
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EmiRose_30 (singleton), Gustav_32 (CD),

Start 117:
• Found in 119 of 533 (22.3%) of genes in pham
• Manual Annotations of this start: 5 of 470
• Called 7.6% of time when present
• Phage (with cluster) where this start called: BobRoss2024_43 (DR), Causa_67 (AI), CharlottesWeb_44 (DR), Coco2012_44 (DR), JellyBelly_44 (DR), StAugustine_65 (AI), TraderJ_47 (DR), Wooper_47 (DR), Yeshua_47 (DR),

Start 118:
• Found in 352 of 533 (66.0%) of genes in pham
• No Manual Annotations of this start.
• Called 0.3% of time when present
• Phage (with cluster) where this start called: GreenChile_52 (B1),

Summary by clusters:

There are 17 clusters represented in this pham: singleton, B10, AI, B8, B11, CD, B4, B5, B6, B7, B12, B1, B2, B3, DR, B9, B13,

Info for manual annotations of cluster AI:
•Start number 117 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster B1:
•Start number 72 was manually annotated 26 times for cluster B1.
•Start number 75 was manually annotated 223 times for cluster B1.
•Start number 76 was manually annotated 46 times for cluster B1.
•Start number 77 was manually annotated 1 time for cluster B1.
•Start number 103 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B10:
•Start number 76 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:
•Start number 75 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 65 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 45 was manually annotated 1 time for cluster B13.
•Start number 46 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B2:
•Start number 76 was manually annotated 37 times for cluster B2.

Info for manual annotations of cluster B3:
•Start number 30 was manually annotated 1 time for cluster B3.
•Start number 33 was manually annotated 9 times for cluster B3.
•Start number 35 was manually annotated 43 times for cluster B3.

Info for manual annotations of cluster B4:
•Start number 72 was manually annotated 9 times for cluster B4.
•Start number 75 was manually annotated 18 times for cluster B4.
•Start number 77 was manually annotated 1 time for cluster B4.
•Start number 79 was manually annotated 1 time for cluster B4.

Info for manual annotations of cluster B5:
•Start number 73 was manually annotated 10 times for cluster B5.
•Start number 79 was manually annotated 1 time for cluster B5.

Info for manual annotations of cluster B6:
•Start number 70 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B7:
•Start number 86 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 75 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 18 was manually annotated 1 time for cluster B9.
•Start number 68 was manually annotated 1 time for cluster B9.
•Start number 69 was manually annotated 2 times for cluster B9.
•Start number 70 was manually annotated 1 time for cluster B9.
•Start number 76 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster CD:
•Start number 116 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster DR:
•Start number 21 was manually annotated 7 times for cluster DR.
•Start number 37 was manually annotated 1 time for cluster DR.
•Start number 38 was manually annotated 3 times for cluster DR.
•Start number 41 was manually annotated 6 times for cluster DR.
•Start number 43 was manually annotated 1 time for cluster DR.
•Start number 44 was manually annotated 1 time for cluster DR.
•Start number 61 was manually annotated 1 time for cluster DR.
•Start number 117 was manually annotated 3 times for cluster DR.

Gene Information:

Gene: 39HC_044 Start: 43561, Stop: 42131, Start Num: 70
Candidate Starts for 39HC_044:
(Start: 70 @43561 has 3 MA's), (Start: 77 @43543 has 2 MA's), (105, 43339), (110, 43321), (115, 43267), (122, 43240), (130, 43204), (131, 43192), (155, 43012), (157, 43006), (163, 42988), (165, 42973), (187, 42907), (193, 42865), (195, 42853), (196, 42850), (204, 42778), (206, 42772), (208, 42754), (209, 42751), (220, 42697), (232, 42643), (236, 42613), (240, 42592), (247, 42520), (248, 42499), (251, 42466), (263, 42427), (270, 42382), (273, 42364), (275, 42358), (284, 42313), (285, 42310), (299, 42187),

Gene: 40BC_044 Start: 43561, Stop: 42131, Start Num: 70
Candidate Starts for 40BC_044:
(Start: 70 @43561 has 3 MA's), (Start: 77 @43543 has 2 MA's), (105, 43339), (110, 43321), (115, 43267), (122, 43240), (130, 43204), (131, 43192), (155, 43012), (157, 43006), (163, 42988), (165, 42973), (187, 42907), (193, 42865), (195, 42853), (196, 42850), (204, 42778), (206, 42772), (208, 42754), (209, 42751), (220, 42697), (232, 42643), (236, 42613), (240, 42592), (247, 42520), (248, 42499), (251, 42466), (263, 42427), (270, 42382), (273, 42364), (275, 42358), (284, 42313), (285, 42310), (299, 42187),

Gene: ABU_52 Start: 45373, Stop: 43970, Start Num: 75
Candidate Starts for ABU_52:
(40, 45538), (Start: 75 @45373 has 243 MA's), (Start: 76 @45370 has 85 MA's), (Start: 77 @45364 has 2 MA's), (82, 45322), (93, 45250), (99, 45229), (118, 45133), (131, 45082), (139, 45016), (140, 45013), (143, 44989), (145, 44962), (157, 44896), (161, 44884), (169, 44848), (183, 44803), (188, 44773), (195, 44734), (199, 44695), (203, 44662), (204, 44659), (208, 44635), (216, 44602), (219, 44581), (225, 44551), (243, 44437), (247, 44395), (248, 44374), (251, 44341), (261, 44269), (263, 44263), (271, 44215), (280, 44170), (285, 44146), (288, 44131), (290, 44107),

Gene: Abinghost_49 Start: 44867, Stop: 43254, Start Num: 35

Candidate Starts for Abinghost_49:
(14, 44993), (15, 44987), (17, 44972), (Start: 33 @44876 has 9 MA's), (Start: 35 @44867 has 43 MA's), (56, 44771), (74, 44693), (91, 44558), (Start: 117 @44399 has 5 MA's), (123, 44384), (125, 44372), (131, 44342), (137, 44300), (145, 44222), (174, 44090), (180, 44057), (183, 44048), (198, 43955), (204, 43907), (207, 43892), (208, 43883), (221, 43823), (225, 43799), (242, 43709), (251, 43598), (261, 43565), (262, 43562), (264, 43547), (268, 43526), (274, 43493),

Gene: AbsoluteMadLad_50 Start: 45250, Stop: 43847, Start Num: 72
Candidate Starts for AbsoluteMadLad_50:
(Start: 72 @45250 has 35 MA's), (Start: 76 @45247 has 85 MA's), (Start: 77 @45241 has 2 MA's), (82, 45199), (93, 45127), (99, 45106), (118, 45010), (131, 44959), (139, 44893), (140, 44890), (145, 44839), (157, 44773), (161, 44761), (169, 44725), (183, 44680), (188, 44650), (195, 44611), (199, 44572), (203, 44539), (204, 44536), (208, 44512), (216, 44479), (219, 44458), (225, 44428), (243, 44314), (247, 44272), (248, 44251), (251, 44218), (261, 44146), (263, 44140), (271, 44092), (280, 44047), (285, 44023), (288, 44008), (290, 43984),

Gene: Acadian_51 Start: 46143, Stop: 44758, Start Num: 73
Candidate Starts for Acadian_51:
(7, 46572), (19, 46419), (40, 46293), (Start: 73 @46143 has 10 MA's), (Start: 79 @46125 has 2 MA's), (105, 45969), (118, 45906), (126, 45876), (149, 45711), (157, 45669), (164, 45651), (167, 45636), (185, 45585), (193, 45534), (204, 45447), (207, 45432), (208, 45423), (218, 45372), (221, 45363), (225, 45339), (226, 45336), (245, 45204), (248, 45171), (251, 45138), (253, 45120), (261, 45066), (269, 45021), (274, 44994), (289, 44913), (290, 44895), (297, 44832),

Gene: Adriana_52 Start: 45368, Stop: 43968, Start Num: 76
Candidate Starts for Adriana_52:
(11, 45749), (12, 45704), (19, 45662), (28, 45581), (40, 45536), (Start: 75 @45371 has 243 MA's), (Start: 76 @45368 has 85 MA's), (Start: 77 @45362 has 2 MA's), (82, 45320), (93, 45248), (99, 45227), (118, 45131), (131, 45080), (139, 45014), (140, 45011), (145, 44960), (157, 44894), (161, 44882), (169, 44846), (183, 44801), (188, 44771), (195, 44732), (199, 44693), (203, 44660), (204, 44657), (208, 44633), (216, 44600), (219, 44579), (225, 44549), (243, 44435), (247, 44393), (248, 44372), (251, 44339), (261, 44267), (263, 44261), (271, 44213), (280, 44168), (285, 44144), (288, 44129), (290, 44105),

Gene: Aelin_50 Start: 44814, Stop: 43411, Start Num: 72
Candidate Starts for Aelin_50:
(Start: 72 @44814 has 35 MA's), (Start: 76 @44811 has 85 MA's), (Start: 77 @44805 has 2 MA's), (82, 44763), (93, 44691), (99, 44670), (118, 44574), (131, 44523), (139, 44457), (140, 44454), (145, 44403), (157, 44337), (161, 44325), (169, 44289), (183, 44244), (188, 44214), (195, 44175), (199, 44136), (203, 44103), (204, 44100), (208, 44076), (216, 44043), (219, 44022), (225, 43992), (243, 43878), (247, 43836), (248, 43815), (251, 43782), (261, 43710), (263, 43704), (280, 43611), (285, 43587), (288, 43572), (290, 43548),

Gene: Ahwei_45 Start: 44672, Stop: 43332, Start Num: 75
Candidate Starts for Ahwei_45:
(Start: 72 @44675 has 35 MA's), (Start: 75 @44672 has 243 MA's), (Start: 77 @44663 has 2 MA's), (78, 44657), (84, 44606), (115, 44459), (131, 44393), (133, 44369), (157, 44207), (163, 44189), (165, 44174), (166, 44171), (173, 44144), (189, 44081), (191, 44072), (202, 43985), (207, 43961), (216, 43919), (217, 43916), (219, 43898), (225, 43868), (232, 43841), (237, 43808), (241, 43787), (242, 43778), (245, 43733), (246, 43727), (247, 43718), (248, 43697), (251, 43664), (263, 43625), (274, 43559), (275, 43556), (289, 43487), (290, 43469),

Gene: Akoma_49 Start: 44878, Stop: 43265, Start Num: 35

Candidate Starts for Akoma_49:
(14, 45004), (15, 44998), (17, 44983), (Start: 33 @44887 has 9 MA's), (Start: 35 @44878 has 43 MA's), (56, 44782), (74, 44704), (91, 44569), (Start: 117 @44410 has 5 MA's), (123, 44395), (125, 44383), (131, 44353), (137, 44311), (145, 44233), (174, 44101), (180, 44068), (183, 44059), (198, 43966), (204, 43918), (207, 43903), (208, 43894), (216, 43861), (221, 43834), (225, 43810), (242, 43720), (251, 43609), (261, 43576), (262, 43573), (264, 43558), (268, 43537), (274, 43504),

Gene: AksarBAT_45 Start: 38886, Stop: 37522, Start Num: 21
Candidate Starts for AksarBAT_45:
(Start: 21 @38886 has 7 MA's), (26, 38859), (Start: 41 @38808 has 6 MA's), (Start: 117 @38664 has 5 MA's), (131, 38607), (162, 38412), (170, 38373), (196, 38271), (203, 38202), (219, 38121), (225, 38091), (226, 38088), (234, 38043), (237, 38031), (245, 37956), (248, 37923), (251, 37890), (258, 37857), (259, 37845), (260, 37830), (263, 37818), (269, 37779), (274, 37752), (297, 37596),

Gene: AlanGrant_48 Start: 46262, Stop: 44940, Start Num: 79
Candidate Starts for AlanGrant_48:
(Start: 75 @46277 has 243 MA's), (Start: 79 @46262 has 2 MA's), (115, 46067), (126, 46022), (131, 46001), (151, 45836), (157, 45815), (158, 45812), (163, 45797), (188, 45698), (191, 45680), (196, 45656), (204, 45584), (207, 45569), (211, 45545), (217, 45524), (219, 45506), (225, 45476), (232, 45449), (237, 45416), (240, 45398), (245, 45341), (248, 45305), (251, 45272), (263, 45233), (274, 45167), (275, 45164), (288, 45101), (289, 45095), (290, 45077),

Gene: Aleia_51 Start: 44807, Stop: 43404, Start Num: 72
Candidate Starts for Aleia_51:
(40, 44969), (Start: 72 @44807 has 35 MA's), (Start: 76 @44804 has 85 MA's), (82, 44756), (93, 44684), (99, 44663), (118, 44567), (131, 44516), (139, 44450), (140, 44447), (143, 44423), (145, 44396), (157, 44330), (161, 44318), (169, 44282), (183, 44237), (188, 44207), (195, 44168), (199, 44129), (203, 44096), (204, 44093), (208, 44069), (216, 44036), (219, 44015), (225, 43985), (243, 43871), (247, 43829), (248, 43808), (251, 43775), (261, 43703), (263, 43697), (271, 43649), (280, 43604), (285, 43580), (288, 43565), (290, 43541),

Gene: Allegro_50 Start: 44855, Stop: 43488, Start Num: 76
Candidate Starts for Allegro_50:
(Start: 76 @44855 has 85 MA's), (83, 44792), (85, 44777), (109, 44666), (Start: 117 @44615 has 5 MA's), (130, 44567), (135, 44519), (154, 44378), (157, 44369), (175, 44324), (177, 44318), (178, 44312), (183, 44300), (199, 44195), (203, 44162), (207, 44144), (208, 44135), (216, 44102), (221, 44075), (225, 44051), (229, 44024), (235, 43997), (244, 43922), (248, 43877), (251, 43844), (258, 43823), (260, 43817), (266, 43784), (267, 43775), (269, 43766), (296, 43604), (297, 43586), (302, 43529),

Gene: AltPhacts_51 Start: 45223, Stop: 43820, Start Num: 72
Candidate Starts for AltPhacts_51:
(Start: 72 @45223 has 35 MA's), (Start: 76 @45220 has 85 MA's), (Start: 77 @45214 has 2 MA's), (82, 45172), (93, 45100), (99, 45079), (118, 44983), (131, 44932), (139, 44866), (140, 44863), (145, 44812), (157, 44746), (161, 44734), (169, 44698), (183, 44653), (188, 44623), (195, 44584), (199, 44545), (203, 44512), (204, 44509), (208, 44485), (216, 44452), (219, 44431), (225, 44401), (243, 44287), (247, 44245), (248, 44224), (251, 44191), (261, 44119), (263, 44113), (271, 44065), (280, 44020), (285, 43996), (288, 43981), (290, 43957),

Gene: Altwerkus_50 Start: 44929, Stop: 43526, Start Num: 75
Candidate Starts for Altwerkus_50:
(11, 45307), (12, 45262), (19, 45220), (28, 45139), (40, 45094), (Start: 75 @44929 has 243 MA's), (Start: 76 @44926 has 85 MA's), (Start: 77 @44920 has 2 MA's), (82, 44878), (93, 44806), (99,

44785), (118, 44689), (131, 44638), (139, 44572), (140, 44569), (145, 44518), (157, 44452), (161, 44440), (169, 44404), (183, 44359), (188, 44329), (195, 44290), (199, 44251), (203, 44218), (204, 44215), (208, 44191), (216, 44158), (219, 44137), (225, 44107), (243, 43993), (247, 43951), (248, 43930), (251, 43897), (261, 43825), (263, 43819), (271, 43771), (280, 43726), (285, 43702), (288, 43687), (290, 43663),

Gene: AnClar_45 Start: 40751, Stop: 39486, Start Num: 41
Candidate Starts for AnClar_45:
(Start: 41 @40751 has 6 MA's), (49, 40733), (54, 40712), (Start: 117 @40625 has 5 MA's), (121, 40619), (125, 40598), (131, 40568), (181, 40310), (186, 40292), (196, 40235), (204, 40163), (207, 40148), (208, 40139), (212, 40121), (216, 40106), (221, 40079), (225, 40055), (237, 39995), (245, 39920), (248, 39887), (251, 39854), (254, 39845), (258, 39821), (259, 39809), (269, 39743), (274, 39716), (277, 39704), (294, 39596), (295, 39593), (297, 39560),

Gene: AnarQue_47 Start: 40325, Stop: 38934, Start Num: 21
Candidate Starts for AnarQue_47:
(3, 40664), (4, 40640), (7, 40529), (9, 40484), (Start: 21 @40325 has 7 MA's), (26, 40298), (Start: 41 @40247 has 6 MA's), (80, 40103), (121, 40097), (129, 40064), (131, 40046), (134, 40013), (136, 40007), (146, 39917), (160, 39857), (179, 39788), (186, 39767), (193, 39725), (201, 39653), (203, 39641), (207, 39623), (208, 39614), (216, 39581), (225, 39530), (233, 39500), (236, 39473), (237, 39470), (248, 39362), (252, 39320), (256, 39287), (260, 39242), (263, 39230), (268, 39197), (269, 39191), (274, 39164),

Gene: Anderson_51 Start: 45225, Stop: 43825, Start Num: 76
Candidate Starts for Anderson_51:
(40, 45393), (Start: 75 @45228 has 243 MA's), (Start: 76 @45225 has 85 MA's), (Start: 77 @45219 has 2 MA's), (82, 45177), (93, 45105), (99, 45084), (118, 44988), (131, 44937), (139, 44871), (140, 44868), (145, 44817), (157, 44751), (161, 44739), (169, 44703), (183, 44658), (188, 44628), (195, 44589), (199, 44550), (203, 44517), (204, 44514), (208, 44490), (216, 44457), (219, 44436), (225, 44406), (243, 44292), (247, 44250), (248, 44229), (251, 44196), (261, 44124), (263, 44118), (271, 44070), (280, 44025), (285, 44001), (288, 43986), (290, 43962),

Gene: Andre_52 Start: 45365, Stop: 43962, Start Num: 75
Candidate Starts for Andre_52:
(11, 45743), (12, 45698), (19, 45656), (28, 45575), (40, 45530), (Start: 75 @45365 has 243 MA's), (Start: 76 @45362 has 85 MA's), (Start: 77 @45356 has 2 MA's), (82, 45314), (93, 45242), (99, 45221), (118, 45125), (131, 45074), (139, 45008), (140, 45005), (143, 44981), (145, 44954), (157, 44888), (161, 44876), (169, 44840), (183, 44795), (188, 44765), (195, 44726), (199, 44687), (203, 44654), (204, 44651), (208, 44627), (216, 44594), (219, 44573), (225, 44543), (243, 44429), (247, 44387), (248, 44366), (251, 44333), (261, 44261), (263, 44255), (271, 44207), (280, 44162), (285, 44138), (288, 44123), (290, 44099),

Gene: AngelCake_51 Start: 45247, Stop: 43847, Start Num: 76
Candidate Starts for AngelCake_51:
(40, 45415), (Start: 75 @45250 has 243 MA's), (Start: 76 @45247 has 85 MA's), (Start: 77 @45241 has 2 MA's), (82, 45199), (93, 45127), (99, 45106), (118, 45010), (131, 44959), (139, 44893), (140, 44890), (143, 44866), (145, 44839), (157, 44773), (161, 44761), (169, 44725), (183, 44680), (188, 44650), (195, 44611), (199, 44572), (203, 44539), (204, 44536), (208, 44512), (216, 44479), (219, 44458), (225, 44428), (243, 44314), (247, 44272), (248, 44251), (251, 44218), (261, 44146), (263, 44140), (271, 44092), (280, 44047), (285, 44023), (288, 44008), (290, 43984),

Gene: Antihero_45 Start: 44672, Stop: 43332, Start Num: 75
Candidate Starts for Antihero_45:

(Start: 72 @44675 has 35 MA's), (Start: 75 @44672 has 243 MA's), (Start: 77 @44663 has 2 MA's), (78, 44657), (84, 44606), (115, 44459), (131, 44393), (133, 44369), (157, 44207), (163, 44189), (165, 44174), (166, 44171), (173, 44144), (189, 44081), (191, 44072), (202, 43985), (207, 43961), (216, 43919), (217, 43916), (219, 43898), (225, 43868), (232, 43841), (237, 43808), (241, 43787), (242, 43778), (245, 43733), (246, 43727), (247, 43718), (248, 43697), (251, 43664), (263, 43625), (274, 43559), (275, 43556), (289, 43487), (290, 43469),

Gene: Antonia_50 Start: 44811, Stop: 43411, Start Num: 76
Candidate Starts for Antonia_50:
(Start: 72 @44814 has 35 MA's), (Start: 76 @44811 has 85 MA's), (Start: 77 @44805 has 2 MA's), (82, 44763), (93, 44691), (99, 44670), (118, 44574), (131, 44523), (139, 44457), (140, 44454), (145, 44403), (157, 44337), (161, 44325), (169, 44289), (183, 44244), (188, 44214), (195, 44175), (199, 44136), (203, 44103), (204, 44100), (208, 44076), (216, 44043), (219, 44022), (225, 43992), (243, 43878), (247, 43836), (248, 43815), (251, 43782), (261, 43710), (263, 43704), (280, 43611), (285, 43587), (288, 43572), (290, 43548),

Gene: Aonishiki_51 Start: 45271, Stop: 43868, Start Num: 75
Candidate Starts for Aonishiki_51:
(11, 45649), (12, 45604), (19, 45562), (28, 45481), (40, 45436), (Start: 75 @45271 has 243 MA's), (Start: 76 @45268 has 85 MA's), (Start: 77 @45262 has 2 MA's), (82, 45220), (93, 45148), (99, 45127), (118, 45031), (131, 44980), (139, 44914), (140, 44911), (145, 44860), (157, 44794), (161, 44782), (169, 44746), (183, 44701), (188, 44671), (195, 44632), (199, 44593), (203, 44560), (204, 44557), (208, 44533), (216, 44500), (219, 44479), (225, 44449), (243, 44335), (247, 44293), (248, 44272), (251, 44239), (261, 44167), (263, 44161), (271, 44113), (280, 44068), (285, 44044), (288, 44029), (290, 44005),

Gene: Apex_47 Start: 45919, Stop: 44576, Start Num: 72
Candidate Starts for Apex_47:
(Start: 72 @45919 has 35 MA's), (Start: 75 @45916 has 243 MA's), (Start: 77 @45907 has 2 MA's), (78, 45901), (84, 45850), (115, 45703), (126, 45658), (131, 45637), (148, 45496), (151, 45472), (157, 45451), (158, 45448), (163, 45433), (165, 45418), (187, 45349), (188, 45334), (191, 45316), (196, 45292), (204, 45220), (208, 45196), (216, 45163), (217, 45160), (219, 45142), (225, 45112), (237, 45052), (240, 45034), (242, 45022), (245, 44977), (246, 44971), (247, 44962), (250, 44932), (251, 44908), (263, 44869), (270, 44824), (274, 44803), (275, 44800), (289, 44731), (290, 44713),

Gene: Apizium_51 Start: 45129, Stop: 43726, Start Num: 72
Candidate Starts for Apizium_51:
(11, 45504), (12, 45459), (19, 45417), (28, 45336), (40, 45291), (Start: 72 @45129 has 35 MA's), (Start: 76 @45126 has 85 MA's), (82, 45078), (93, 45006), (99, 44985), (118, 44889), (131, 44838), (139, 44772), (140, 44769), (145, 44718), (157, 44652), (161, 44640), (169, 44604), (183, 44559), (188, 44529), (195, 44490), (199, 44451), (203, 44418), (204, 44415), (208, 44391), (216, 44358), (219, 44337), (225, 44307), (243, 44193), (247, 44151), (248, 44130), (251, 44097), (261, 44025), (263, 44019), (271, 43971), (280, 43926), (285, 43902), (288, 43887), (290, 43863),

Gene: Arbiter_49 Start: 44958, Stop: 43591, Start Num: 76
Candidate Starts for Arbiter_49:
(Start: 76 @44958 has 85 MA's), (83, 44895), (85, 44880), (109, 44769), (Start: 117 @44718 has 5 MA's), (130, 44670), (135, 44622), (154, 44481), (157, 44472), (175, 44427), (177, 44421), (178, 44415), (183, 44403), (199, 44298), (203, 44265), (207, 44247), (208, 44238), (216, 44205), (221, 44178), (225, 44154), (229, 44127), (235, 44100), (244, 44025), (248, 43980), (251, 43947), (258, 43926), (260, 43920), (266, 43887), (267, 43878), (269, 43869), (296, 43707), (297, 43689), (302, 43632),

Gene: Ares_50 Start: 44927, Stop: 43560, Start Num: 76
Candidate Starts for Ares_50:
(Start: 76 @44927 has 85 MA's), (83, 44864), (85, 44849), (109, 44738), (Start: 117 @44687 has 5 MA's), (130, 44639), (135, 44591), (154, 44450), (157, 44441), (175, 44396), (177, 44390), (178, 44384), (183, 44372), (199, 44267), (203, 44234), (208, 44207), (216, 44174), (221, 44147), (225, 44123), (229, 44096), (235, 44069), (244, 43994), (248, 43949), (251, 43916), (258, 43895), (260, 43889), (266, 43856), (267, 43847), (269, 43838), (296, 43676), (297, 43658), (302, 43601),

Gene: Ashraf_51 Start: 44930, Stop: 43527, Start Num: 75
Candidate Starts for Ashraf_51:
(40, 45095), (Start: 75 @44930 has 243 MA's), (Start: 76 @44927 has 85 MA's), (Start: 77 @44921 has 2 MA's), (82, 44879), (93, 44807), (99, 44786), (118, 44690), (131, 44639), (139, 44573), (140, 44570), (145, 44519), (157, 44453), (161, 44441), (169, 44405), (183, 44360), (188, 44330), (195, 44291), (199, 44252), (203, 44219), (204, 44216), (206, 44210), (208, 44192), (216, 44159), (219, 44138), (225, 44108), (243, 43994), (247, 43952), (248, 43931), (251, 43898), (261, 43826), (263, 43820), (271, 43772), (280, 43727), (285, 43703), (288, 43688), (290, 43664),

Gene: Athena_50 Start: 45625, Stop: 44012, Start Num: 35
Candidate Starts for Athena_50:
(14, 45751), (15, 45745), (17, 45730), (Start: 33 @45634 has 9 MA's), (Start: 35 @45625 has 43 MA's), (56, 45529), (74, 45451), (91, 45316), (Start: 117 @45157 has 5 MA's), (123, 45142), (125, 45130), (131, 45100), (137, 45058), (145, 44980), (156, 44914), (157, 44911), (174, 44848), (180, 44815), (183, 44806), (198, 44713), (204, 44665), (205, 44662), (207, 44650), (208, 44641), (221, 44581), (225, 44557), (242, 44467), (251, 44356), (261, 44323), (262, 44320), (264, 44305), (268, 44284), (274, 44251),

Gene: Audrey_49 Start: 44882, Stop: 43260, Start Num: 33
Candidate Starts for Audrey_49:
(14, 44999), (15, 44993), (17, 44978), (Start: 33 @44882 has 9 MA's), (Start: 35 @44873 has 43 MA's), (56, 44777), (74, 44699), (91, 44564), (Start: 117 @44405 has 5 MA's), (123, 44390), (125, 44378), (131, 44348), (137, 44306), (145, 44228), (156, 44162), (157, 44159), (174, 44096), (180, 44063), (183, 44054), (198, 43961), (204, 43913), (207, 43898), (208, 43889), (221, 43829), (225, 43805), (242, 43715), (251, 43604), (261, 43571), (262, 43568), (264, 43553), (268, 43532), (274, 43499),

Gene: Austelle_47 Start: 46366, Stop: 45026, Start Num: 75
Candidate Starts for Austelle_47:
(Start: 72 @46369 has 35 MA's), (Start: 75 @46366 has 243 MA's), (Start: 77 @46357 has 2 MA's), (78, 46351), (84, 46300), (115, 46153), (126, 46108), (131, 46087), (148, 45946), (151, 45922), (157, 45901), (158, 45898), (163, 45883), (165, 45868), (187, 45799), (188, 45784), (191, 45766), (196, 45742), (204, 45670), (208, 45646), (216, 45613), (217, 45610), (219, 45592), (225, 45562), (237, 45502), (240, 45484), (242, 45472), (245, 45427), (246, 45421), (247, 45412), (250, 45382), (251, 45358), (263, 45319), (270, 45274), (274, 45253), (275, 45250), (289, 45181), (290, 45163),

Gene: Axumite_44 Start: 37985, Stop: 36669, Start Num: 37
Candidate Starts for Axumite_44:
(Start: 37 @37985 has 1 MA's), (Start: 38 @37982 has 3 MA's), (Start: 117 @37823 has 5 MA's), (121, 37817), (131, 37766), (180, 37511), (186, 37490), (194, 37445), (196, 37433), (216, 37304), (221, 37277), (225, 37253), (233, 37223), (234, 37205), (237, 37193), (242, 37163), (244, 37130), (248, 37085), (251, 37052), (258, 37019), (260, 36992), (268, 36947), (269, 36941), (274, 36914), (275, 36911), (285, 36863), (302, 36701),

Gene: Azuria_50 Start: 45262, Stop: 43862, Start Num: 76
Candidate Starts for Azuria_50:

(11, 45643), (12, 45598), (19, 45556), (28, 45475), (40, 45430), (Start: 75 @45265 has 243 MA's), (Start: 76 @45262 has 85 MA's), (Start: 77 @45256 has 2 MA's), (82, 45214), (93, 45142), (99, 45121), (118, 45025), (131, 44974), (139, 44908), (140, 44905), (145, 44854), (157, 44788), (161, 44776), (169, 44740), (183, 44695), (188, 44665), (195, 44626), (199, 44587), (203, 44554), (204, 44551), (208, 44527), (216, 44494), (219, 44473), (225, 44443), (243, 44329), (247, 44287), (248, 44266), (251, 44233), (261, 44161), (263, 44155), (271, 44107), (280, 44062), (285, 44038), (288, 44023), (290, 43999),

Gene: Badfish_52 Start: 45396, Stop: 43993, Start Num: 75
Candidate Starts for Badfish_52:
(11, 45774), (12, 45729), (19, 45687), (28, 45606), (40, 45561), (Start: 75 @45396 has 243 MA's), (Start: 76 @45393 has 85 MA's), (Start: 77 @45387 has 2 MA's), (82, 45345), (93, 45273), (99, 45252), (118, 45156), (131, 45105), (139, 45039), (140, 45036), (145, 44985), (157, 44919), (161, 44907), (169, 44871), (183, 44826), (188, 44796), (195, 44757), (199, 44718), (203, 44685), (204, 44682), (208, 44658), (216, 44625), (219, 44604), (225, 44574), (243, 44460), (247, 44418), (248, 44397), (251, 44364), (261, 44292), (263, 44286), (271, 44238), (280, 44193), (285, 44169), (288, 44154), (290, 44130),

Gene: Baee_50 Start: 46015, Stop: 44636, Start Num: 73
Candidate Starts for Baee_50:
(Start: 73 @46015 has 10 MA's), (Start: 79 @45997 has 2 MA's), (118, 45784), (126, 45754), (149, 45589), (157, 45547), (164, 45529), (167, 45514), (168, 45511), (185, 45463), (193, 45412), (204, 45325), (207, 45310), (208, 45301), (221, 45241), (225, 45217), (226, 45214), (241, 45136), (245, 45082), (248, 45049), (251, 45016), (253, 44998), (261, 44944), (269, 44899), (274, 44872), (289, 44791), (297, 44710),

Gene: Baloo_49 Start: 44885, Stop: 43263, Start Num: 33
Candidate Starts for Baloo_49:
(14, 45002), (15, 44996), (17, 44981), (Start: 33 @44885 has 9 MA's), (Start: 35 @44876 has 43 MA's), (56, 44780), (74, 44702), (91, 44567), (Start: 117 @44408 has 5 MA's), (123, 44393), (125, 44381), (131, 44351), (137, 44309), (145, 44231), (156, 44165), (157, 44162), (174, 44099), (180, 44066), (183, 44057), (198, 43964), (204, 43916), (207, 43901), (208, 43892), (221, 43832), (225, 43808), (242, 43718), (251, 43607), (261, 43574), (262, 43571), (264, 43556), (268, 43535), (274, 43502),

Gene: Bananafish_50 Start: 44861, Stop: 43494, Start Num: 76
Candidate Starts for Bananafish_50:
(Start: 76 @44861 has 85 MA's), (83, 44798), (85, 44783), (109, 44672), (Start: 117 @44621 has 5 MA's), (130, 44573), (135, 44525), (154, 44384), (157, 44375), (175, 44330), (177, 44324), (178, 44318), (183, 44306), (199, 44201), (203, 44168), (208, 44141), (216, 44108), (221, 44081), (225, 44057), (229, 44030), (235, 44003), (244, 43928), (248, 43883), (251, 43850), (258, 43829), (260, 43823), (266, 43790), (267, 43781), (269, 43772), (296, 43610), (297, 43592), (302, 43535),

Gene: Banjo_50 Start: 44927, Stop: 43524, Start Num: 75
Candidate Starts for Banjo_50:
(11, 45305), (12, 45260), (19, 45218), (28, 45137), (40, 45092), (Start: 75 @44927 has 243 MA's), (Start: 76 @44924 has 85 MA's), (Start: 77 @44918 has 2 MA's), (82, 44876), (93, 44804), (99, 44783), (118, 44687), (131, 44636), (139, 44570), (140, 44567), (145, 44516), (157, 44450), (161, 44438), (169, 44402), (183, 44357), (188, 44327), (195, 44288), (199, 44249), (203, 44216), (204, 44213), (208, 44189), (216, 44156), (219, 44135), (225, 44105), (243, 43991), (247, 43949), (248, 43928), (251, 43895), (261, 43823), (263, 43817), (271, 43769), (280, 43724), (285, 43700), (288, 43685), (290, 43661),

Gene: Basato_52 Start: 45512, Stop: 44109, Start Num: 72

Candidate Starts for Basato_52:
(40, 45674), (Start: 72 @45512 has 35 MA's), (Start: 76 @45509 has 85 MA's), (82, 45461), (93, 45389), (99, 45368), (118, 45272), (131, 45221), (139, 45155), (140, 45152), (145, 45101), (157, 45035), (161, 45023), (169, 44987), (183, 44942), (188, 44912), (195, 44873), (199, 44834), (203, 44801), (204, 44798), (208, 44774), (216, 44741), (219, 44720), (225, 44690), (243, 44576), (247, 44534), (248, 44513), (251, 44480), (261, 44408), (263, 44402), (271, 44354), (280, 44309), (285, 44285), (288, 44270), (290, 44246),

Gene: BatteryCK_50 Start: 44870, Stop: 43467, Start Num: 75
Candidate Starts for BatteryCK_50:
(40, 45035), (Start: 75 @44870 has 243 MA's), (Start: 76 @44867 has 85 MA's), (Start: 77 @44861 has 2 MA's), (82, 44819), (93, 44747), (99, 44726), (118, 44630), (131, 44579), (139, 44513), (140, 44510), (145, 44459), (157, 44393), (161, 44381), (169, 44345), (183, 44300), (188, 44270), (195, 44231), (199, 44192), (203, 44159), (204, 44156), (206, 44150), (208, 44132), (216, 44099), (219, 44078), (225, 44048), (243, 43934), (247, 43892), (248, 43871), (251, 43838), (261, 43766), (263, 43760), (271, 43712), (280, 43667), (285, 43643), (288, 43628), (290, 43604),

Gene: Beaglebox_50 Start: 44948, Stop: 43545, Start Num: 75
Candidate Starts for Beaglebox_50:
(11, 45326), (12, 45281), (19, 45239), (28, 45158), (40, 45113), (Start: 75 @44948 has 243 MA's), (Start: 76 @44945 has 85 MA's), (Start: 77 @44939 has 2 MA's), (82, 44897), (93, 44825), (99, 44804), (118, 44708), (131, 44657), (139, 44591), (140, 44588), (145, 44537), (157, 44471), (161, 44459), (169, 44423), (183, 44378), (188, 44348), (195, 44309), (199, 44270), (203, 44237), (204, 44234), (208, 44210), (216, 44177), (219, 44156), (225, 44126), (243, 44012), (247, 43970), (248, 43949), (251, 43916), (261, 43844), (263, 43838), (271, 43790), (280, 43745), (285, 43721), (288, 43706), (290, 43682),

Gene: Ben11_48 Start: 44697, Stop: 43084, Start Num: 35
Candidate Starts for Ben11_48:
(14, 44823), (15, 44817), (17, 44802), (Start: 33 @44706 has 9 MA's), (Start: 35 @44697 has 43 MA's), (56, 44601), (74, 44523), (91, 44388), (Start: 117 @44229 has 5 MA's), (123, 44214), (125, 44202), (131, 44172), (137, 44130), (145, 44052), (156, 43986), (157, 43983), (174, 43920), (180, 43887), (183, 43878), (198, 43785), (204, 43737), (207, 43722), (208, 43713), (221, 43653), (225, 43629), (242, 43539), (251, 43428), (261, 43395), (262, 43392), (264, 43377), (268, 43356), (274, 43323),

Gene: Bernardo_50 Start: 45419, Stop: 43809, Start Num: 35
Candidate Starts for Bernardo_50:
(14, 45548), (15, 45542), (17, 45527), (Start: 33 @45428 has 9 MA's), (Start: 35 @45419 has 43 MA's), (56, 45323), (74, 45245), (89, 45122), (91, 45110), (96, 45086), (100, 45071), (Start: 117 @44954 has 5 MA's), (123, 44939), (125, 44927), (131, 44897), (137, 44855), (145, 44777), (174, 44645), (180, 44612), (183, 44603), (198, 44510), (204, 44462), (207, 44447), (208, 44438), (216, 44405), (221, 44378), (225, 44354), (242, 44264), (251, 44153), (261, 44120), (262, 44117), (264, 44102), (268, 44081), (274, 44048),

Gene: BiggityBass_44 Start: 40224, Stop: 38959, Start Num: 41
Candidate Starts for BiggityBass_44:
(Start: 41 @40224 has 6 MA's), (49, 40206), (54, 40185), (Start: 117 @40098 has 5 MA's), (121, 40092), (125, 40071), (131, 40041), (181, 39783), (183, 39777), (186, 39765), (196, 39708), (206, 39630), (207, 39621), (216, 39579), (221, 39552), (225, 39528), (237, 39468), (245, 39393), (248, 39360), (251, 39327), (254, 39318), (258, 39294), (259, 39282), (260, 39267), (263, 39255), (269, 39216), (274, 39189), (277, 39177), (294, 39069), (295, 39066), (297, 39033),

Gene: BirdsNest_53 Start: 44482, Stop: 43088, Start Num: 46

Candidate Starts for BirdsNest_53:
(Start: 46 @44482 has 2 MA's), (58, 44434), (71, 44356), (120, 44215), (131, 44167), (145, 44047), (146, 44038), (157, 43981), (171, 43924), (195, 43819), (196, 43816), (204, 43744), (208, 43720), (237, 43570), (248, 43453), (251, 43420), (252, 43411), (260, 43393), (263, 43381), (277, 43303), (285, 43264), (304, 43096),

Gene: Bishoperium_50 Start: 44942, Stop: 43539, Start Num: 75
Candidate Starts for Bishoperium_50:
(40, 45107), (Start: 75 @44942 has 243 MA's), (Start: 76 @44939 has 85 MA's), (Start: 77 @44933 has 2 MA's), (82, 44891), (93, 44819), (99, 44798), (118, 44702), (131, 44651), (139, 44585), (140, 44582), (145, 44531), (157, 44465), (161, 44453), (169, 44417), (183, 44372), (188, 44342), (195, 44303), (199, 44264), (203, 44231), (204, 44228), (208, 44204), (216, 44171), (219, 44150), (225, 44120), (243, 44006), (247, 43964), (248, 43943), (251, 43910), (261, 43838), (263, 43832), (271, 43784), (280, 43739), (285, 43715), (288, 43700), (290, 43676),

Gene: BlackStallion_52 Start: 45402, Stop: 43999, Start Num: 75
Candidate Starts for BlackStallion_52:
(11, 45780), (12, 45735), (19, 45693), (28, 45612), (40, 45567), (Start: 75 @45402 has 243 MA's), (Start: 76 @45399 has 85 MA's), (Start: 77 @45393 has 2 MA's), (82, 45351), (93, 45279), (99, 45258), (118, 45162), (131, 45111), (139, 45045), (140, 45042), (145, 44991), (157, 44925), (161, 44913), (169, 44877), (183, 44832), (188, 44802), (195, 44763), (199, 44724), (203, 44691), (204, 44688), (208, 44664), (216, 44631), (219, 44610), (225, 44580), (243, 44466), (247, 44424), (248, 44403), (251, 44370), (261, 44298), (263, 44292), (271, 44244), (280, 44199), (285, 44175), (288, 44160), (290, 44136),

Gene: Blackpen_47 Start: 39743, Stop: 38352, Start Num: 21
Candidate Starts for Blackpen_47:
(7, 39947), (9, 39902), (Start: 21 @39743 has 7 MA's), (26, 39716), (Start: 41 @39665 has 6 MA's), (80, 39521), (121, 39515), (129, 39482), (131, 39464), (134, 39431), (136, 39425), (146, 39335), (160, 39275), (179, 39206), (193, 39143), (201, 39071), (203, 39059), (207, 39041), (208, 39032), (216, 38999), (225, 38948), (233, 38918), (236, 38891), (237, 38888), (248, 38780), (252, 38738), (256, 38705), (260, 38660), (263, 38648), (268, 38615), (269, 38609), (274, 38582),

Gene: BlacksBerry_50 Start: 44963, Stop: 43560, Start Num: 72
Candidate Starts for BlacksBerry_50:
(40, 45125), (Start: 72 @44963 has 35 MA's), (Start: 76 @44960 has 85 MA's), (82, 44912), (93, 44840), (99, 44819), (118, 44723), (131, 44672), (139, 44606), (140, 44603), (143, 44579), (145, 44552), (157, 44486), (161, 44474), (169, 44438), (183, 44393), (188, 44363), (195, 44324), (199, 44285), (203, 44252), (204, 44249), (208, 44225), (216, 44192), (219, 44171), (225, 44141), (243, 44027), (247, 43985), (248, 43964), (251, 43931), (261, 43859), (263, 43853), (271, 43805), (280, 43760), (285, 43736), (288, 43721), (290, 43697),

Gene: Blocker23_50 Start: 44979, Stop: 43612, Start Num: 76
Candidate Starts for Blocker23_50:
(Start: 76 @44979 has 85 MA's), (83, 44916), (85, 44901), (109, 44790), (Start: 117 @44739 has 5 MA's), (130, 44691), (135, 44643), (154, 44502), (157, 44493), (175, 44448), (177, 44442), (178, 44436), (183, 44424), (199, 44319), (203, 44286), (208, 44259), (216, 44226), (221, 44199), (225, 44175), (229, 44148), (235, 44121), (244, 44046), (248, 44001), (251, 43968), (258, 43947), (260, 43941), (266, 43908), (269, 43890), (296, 43728), (297, 43710), (302, 43653),

Gene: BlueHusk_51 Start: 44748, Stop: 43345, Start Num: 75
Candidate Starts for BlueHusk_51:

(11, 45126), (12, 45081), (19, 45039), (28, 44958), (40, 44913), (Start: 75 @44748 has 243 MA's), (Start: 76 @44745 has 85 MA's), (Start: 77 @44739 has 2 MA's), (82, 44697), (93, 44625), (99, 44604), (118, 44508), (131, 44457), (139, 44391), (140, 44388), (145, 44337), (157, 44271), (161, 44259), (169, 44223), (183, 44178), (188, 44148), (195, 44109), (199, 44070), (203, 44037), (204, 44034), (208, 44010), (216, 43977), (219, 43956), (225, 43926), (243, 43812), (247, 43770), (248, 43749), (251, 43716), (261, 43644), (263, 43638), (271, 43590), (280, 43545), (285, 43521), (288, 43506), (290, 43482),

Gene: Bluephacebaby_50 Start: 44945, Stop: 43542, Start Num: 75
Candidate Starts for Bluephacebaby_50:
(11, 45323), (12, 45278), (19, 45236), (28, 45155), (40, 45110), (Start: 75 @44945 has 243 MA's), (Start: 76 @44942 has 85 MA's), (Start: 77 @44936 has 2 MA's), (82, 44894), (93, 44822), (99, 44801), (118, 44705), (131, 44654), (139, 44588), (140, 44585), (145, 44534), (157, 44468), (161, 44456), (169, 44420), (183, 44375), (188, 44345), (195, 44306), (199, 44267), (203, 44234), (204, 44231), (208, 44207), (216, 44174), (219, 44153), (225, 44123), (243, 44009), (247, 43967), (248, 43946), (251, 43913), (261, 43841), (263, 43835), (271, 43787), (280, 43742), (285, 43718), (288, 43703), (290, 43679),

Gene: BobRoss2024_43 Start: 37803, Stop: 36655, Start Num: 117
Candidate Starts for BobRoss2024_43:
(39, 38298), (42, 38274), (88, 37986), (105, 37893), (Start: 117 @37803 has 5 MA's), (125, 37773), (159, 37563), (170, 37515), (171, 37512), (180, 37482), (195, 37407), (207, 37317), (208, 37308), (221, 37248), (225, 37224), (238, 37152), (242, 37134), (248, 37056), (251, 37023), (254, 37014), (260, 36963), (261, 36957), (269, 36912), (274, 36885), (278, 36867), (285, 36834),

Gene: BobbyK_47 Start: 45708, Stop: 44368, Start Num: 75
Candidate Starts for BobbyK_47:
(Start: 72 @45711 has 35 MA's), (Start: 75 @45708 has 243 MA's), (Start: 77 @45699 has 2 MA's), (78, 45693), (84, 45642), (115, 45495), (126, 45450), (131, 45429), (148, 45288), (151, 45264), (157, 45243), (158, 45240), (163, 45225), (165, 45210), (187, 45141), (196, 45084), (207, 44997), (208, 44988), (216, 44955), (217, 44952), (219, 44934), (225, 44904), (237, 44844), (240, 44826), (242, 44814), (245, 44769), (246, 44763), (247, 44754), (248, 44733), (250, 44724), (251, 44700), (263, 44661), (274, 44595), (275, 44592), (289, 44523), (290, 44505),

Gene: Boehler_51 Start: 45248, Stop: 43848, Start Num: 76
Candidate Starts for Boehler_51:
(11, 45629), (12, 45584), (19, 45542), (28, 45461), (40, 45416), (Start: 75 @45251 has 243 MA's), (Start: 76 @45248 has 85 MA's), (Start: 77 @45242 has 2 MA's), (82, 45200), (93, 45128), (99, 45107), (118, 45011), (131, 44960), (139, 44894), (140, 44891), (145, 44840), (157, 44774), (161, 44762), (169, 44726), (183, 44681), (188, 44651), (195, 44612), (199, 44573), (203, 44540), (204, 44537), (208, 44513), (216, 44480), (219, 44459), (225, 44429), (247, 44273), (248, 44252), (251, 44219), (261, 44147), (263, 44141), (271, 44093), (280, 44048), (285, 44024), (288, 44009), (290, 43985),

Gene: BoogieWoogie_51 Start: 44929, Stop: 43529, Start Num: 76
Candidate Starts for BoogieWoogie_51:
(11, 45310), (12, 45265), (19, 45223), (28, 45142), (40, 45097), (Start: 75 @44932 has 243 MA's), (Start: 76 @44929 has 85 MA's), (Start: 77 @44923 has 2 MA's), (82, 44881), (93, 44809), (99, 44788), (118, 44692), (131, 44641), (139, 44575), (140, 44572), (143, 44548), (145, 44521), (157, 44455), (161, 44443), (169, 44407), (183, 44362), (188, 44332), (195, 44293), (199, 44254), (203, 44221), (204, 44218), (208, 44194), (216, 44161), (219, 44140), (225, 44110), (243, 43996), (247, 43954), (248, 43933), (251, 43900), (261, 43828), (263, 43822), (271, 43774), (280, 43729), (285, 43705), (288, 43690), (290, 43666),

Gene: Boyle_50 Start: 44994, Stop: 43627, Start Num: 76
Candidate Starts for Boyle_50:
(Start: 76 @44994 has 85 MA's), (83, 44931), (85, 44916), (109, 44805), (Start: 117 @44754 has 5 MA's), (130, 44706), (135, 44658), (154, 44517), (157, 44508), (175, 44463), (177, 44457), (178, 44451), (183, 44439), (199, 44334), (203, 44301), (208, 44274), (216, 44241), (221, 44214), (225, 44190), (229, 44163), (235, 44136), (244, 44061), (248, 44016), (251, 43983), (258, 43962), (260, 43956), (266, 43923), (267, 43914), (269, 43905), (296, 43743), (297, 43725), (302, 43668),

Gene: Briakila_50 Start: 45645, Stop: 44032, Start Num: 35
Candidate Starts for Briakila_50:
(14, 45771), (15, 45765), (17, 45750), (Start: 33 @45654 has 9 MA's), (Start: 35 @45645 has 43 MA's), (56, 45549), (74, 45471), (91, 45336), (Start: 117 @45177 has 5 MA's), (123, 45162), (125, 45150), (131, 45120), (137, 45078), (145, 45000), (156, 44934), (157, 44931), (174, 44868), (180, 44835), (183, 44826), (198, 44733), (204, 44685), (205, 44682), (207, 44670), (208, 44661), (221, 44601), (225, 44577), (242, 44487), (251, 44376), (261, 44343), (262, 44340), (264, 44325), (268, 44304), (274, 44271),

Gene: Brilliant_51 Start: 44944, Stop: 43541, Start Num: 75
Candidate Starts for Brilliant_51:
(40, 45109), (Start: 75 @44944 has 243 MA's), (Start: 76 @44941 has 85 MA's), (Start: 77 @44935 has 2 MA's), (82, 44893), (93, 44821), (99, 44800), (118, 44704), (131, 44653), (139, 44587), (140, 44584), (143, 44560), (145, 44533), (157, 44467), (161, 44455), (169, 44419), (183, 44374), (188, 44344), (195, 44305), (199, 44266), (203, 44233), (204, 44230), (208, 44206), (216, 44173), (219, 44152), (225, 44122), (243, 44008), (247, 43966), (248, 43945), (251, 43912), (261, 43840), (263, 43834), (271, 43786), (280, 43741), (285, 43717), (288, 43702), (290, 43678),

Gene: BrownCNA_48 Start: 45990, Stop: 44647, Start Num: 72
Candidate Starts for BrownCNA_48:
(Start: 72 @45990 has 35 MA's), (Start: 75 @45987 has 243 MA's), (Start: 77 @45978 has 2 MA's), (78, 45972), (84, 45921), (115, 45774), (131, 45708), (148, 45567), (151, 45543), (157, 45522), (158, 45519), (163, 45504), (165, 45489), (187, 45420), (191, 45387), (196, 45363), (204, 45291), (207, 45276), (208, 45267), (216, 45234), (217, 45231), (219, 45213), (225, 45183), (237, 45123), (240, 45105), (242, 45093), (244, 45060), (245, 45048), (246, 45042), (247, 45033), (248, 45012), (250, 45003), (251, 44979), (263, 44940), (274, 44874), (275, 44871), (288, 44808), (289, 44802), (290, 44784),

Gene: Brownie5_50 Start: 45010, Stop: 43643, Start Num: 76
Candidate Starts for Brownie5_50:
(Start: 76 @45010 has 85 MA's), (83, 44947), (85, 44932), (109, 44821), (Start: 117 @44770 has 5 MA's), (130, 44722), (135, 44674), (154, 44533), (157, 44524), (175, 44479), (177, 44473), (178, 44467), (183, 44455), (199, 44350), (203, 44317), (207, 44299), (208, 44290), (216, 44257), (221, 44230), (225, 44206), (229, 44179), (235, 44152), (244, 44077), (248, 44032), (251, 43999), (258, 43978), (260, 43972), (266, 43939), (267, 43930), (269, 43921), (296, 43759), (297, 43741), (302, 43684),

Gene: Buckeye_51 Start: 45265, Stop: 43862, Start Num: 75
Candidate Starts for Buckeye_51:
(11, 45643), (12, 45598), (19, 45556), (28, 45475), (40, 45430), (Start: 75 @45265 has 243 MA's), (Start: 76 @45262 has 85 MA's), (Start: 77 @45256 has 2 MA's), (82, 45214), (93, 45142), (99, 45121), (118, 45025), (131, 44974), (139, 44908), (140, 44905), (145, 44854), (157, 44788), (161, 44776), (169, 44740), (183, 44695), (188, 44665), (195, 44626), (199, 44587), (203, 44554), (204, 44551), (208, 44527), (216, 44494), (219, 44473), (225, 44443), (243, 44329), (247, 44287), (248,

44266), (251, 44233), (261, 44161), (263, 44155), (271, 44107), (280, 44062), (285, 44038), (288, 44023), (290, 43999),

Gene: Burr_50 Start: 44939, Stop: 43536, Start Num: 75
Candidate Starts for Burr_50:
(11, 45317), (12, 45272), (19, 45230), (28, 45149), (40, 45104), (Start: 75 @44939 has 243 MA's), (Start: 76 @44936 has 85 MA's), (Start: 77 @44930 has 2 MA's), (82, 44888), (93, 44816), (99, 44795), (118, 44699), (131, 44648), (139, 44582), (140, 44579), (145, 44528), (157, 44462), (161, 44450), (169, 44414), (183, 44369), (188, 44339), (195, 44300), (199, 44261), (203, 44228), (204, 44225), (208, 44201), (216, 44168), (219, 44147), (225, 44117), (243, 44003), (247, 43961), (248, 43940), (251, 43907), (261, 43835), (263, 43829), (271, 43781), (280, 43736), (285, 43712), (288, 43697), (290, 43673),

Gene: CRB2_52 Start: 48176, Stop: 46818, Start Num: 70
Candidate Starts for CRB2_52:
(8, 48560), (10, 48554), (16, 48461), (36, 48338), (Start: 70 @48176 has 3 MA's), (Start: 79 @48149 has 2 MA's), (118, 47927), (122, 47918), (142, 47786), (157, 47690), (165, 47657), (180, 47618), (196, 47540), (204, 47468), (207, 47453), (208, 47444), (214, 47417), (216, 47411), (219, 47390), (220, 47387), (240, 47282), (242, 47270), (260, 47129), (270, 47072), (274, 47051), (275, 47048), (285, 47000), (289, 46979), (302, 46841),

Gene: CaiB_47 Start: 40311, Stop: 38920, Start Num: 21
Candidate Starts for CaiB_47:
(20, 40341), (Start: 21 @40311 has 7 MA's), (26, 40284), (Start: 41 @40233 has 6 MA's), (80, 40089), (121, 40083), (129, 40050), (131, 40032), (134, 39999), (136, 39993), (145, 39912), (146, 39903), (160, 39843), (179, 39774), (193, 39711), (201, 39639), (203, 39627), (207, 39609), (208, 39600), (225, 39516), (233, 39486), (236, 39459), (237, 39456), (248, 39348), (252, 39306), (256, 39273), (260, 39228), (263, 39216), (268, 39183), (269, 39177), (274, 39150),

Gene: Calamitous_50 Start: 44860, Stop: 43493, Start Num: 76
Candidate Starts for Calamitous_50:
(Start: 76 @44860 has 85 MA's), (83, 44797), (85, 44782), (109, 44671), (Start: 117 @44620 has 5 MA's), (130, 44572), (135, 44524), (154, 44383), (157, 44374), (175, 44329), (177, 44323), (178, 44317), (183, 44305), (199, 44200), (203, 44167), (208, 44140), (216, 44107), (221, 44080), (225, 44056), (229, 44029), (235, 44002), (244, 43927), (248, 43882), (251, 43849), (258, 43828), (260, 43822), (266, 43789), (267, 43780), (269, 43771), (289, 43672), (296, 43609), (297, 43591), (302, 43534),

Gene: CamL_51 Start: 45234, Stop: 43831, Start Num: 75
Candidate Starts for CamL_51:
(11, 45612), (12, 45567), (19, 45525), (28, 45444), (40, 45399), (Start: 75 @45234 has 243 MA's), (Start: 76 @45231 has 85 MA's), (Start: 77 @45225 has 2 MA's), (82, 45183), (93, 45111), (99, 45090), (118, 44994), (131, 44943), (139, 44877), (140, 44874), (145, 44823), (157, 44757), (161, 44745), (169, 44709), (183, 44664), (188, 44634), (195, 44595), (199, 44556), (203, 44523), (204, 44520), (208, 44496), (216, 44463), (219, 44442), (225, 44412), (243, 44298), (247, 44256), (248, 44235), (251, 44202), (261, 44130), (263, 44124), (271, 44076), (280, 44031), (285, 44007), (288, 43992), (290, 43968),

Gene: CampRoach_52 Start: 45368, Stop: 43965, Start Num: 75
Candidate Starts for CampRoach_52:
(Start: 75 @45368 has 243 MA's), (Start: 76 @45365 has 85 MA's), (Start: 77 @45359 has 2 MA's), (82, 45317), (93, 45245), (99, 45224), (118, 45128), (131, 45077), (139, 45011), (140, 45008), (145, 44957), (157, 44891), (161, 44879), (169, 44843), (183, 44798), (188, 44768), (195, 44729), (199,

44690), (203, 44657), (204, 44654), (206, 44648), (208, 44630), (216, 44597), (219, 44576), (225, 44546), (243, 44432), (247, 44390), (248, 44369), (251, 44336), (261, 44264), (263, 44258), (271, 44210), (280, 44165), (285, 44141), (288, 44126), (290, 44102),

Gene: Cannibal_51 Start: 45217, Stop: 43814, Start Num: 75
Candidate Starts for Cannibal_51:
(11, 45595), (12, 45550), (19, 45508), (28, 45427), (40, 45382), (Start: 75 @45217 has 243 MA's), (Start: 76 @45214 has 85 MA's), (Start: 77 @45208 has 2 MA's), (82, 45166), (93, 45094), (99, 45073), (118, 44977), (131, 44926), (139, 44860), (140, 44857), (145, 44806), (157, 44740), (161, 44728), (169, 44692), (183, 44647), (188, 44617), (195, 44578), (199, 44539), (203, 44506), (204, 44503), (208, 44479), (216, 44446), (219, 44425), (225, 44395), (243, 44281), (247, 44239), (248, 44218), (251, 44185), (261, 44113), (263, 44107), (271, 44059), (280, 44014), (285, 43990), (288, 43975), (290, 43951),

Gene: Carthage_49 Start: 44164, Stop: 42761, Start Num: 75
Candidate Starts for Carthage_49:
(40, 44329), (Start: 75 @44164 has 243 MA's), (Start: 76 @44161 has 85 MA's), (Start: 77 @44155 has 2 MA's), (82, 44113), (93, 44041), (99, 44020), (118, 43924), (131, 43873), (139, 43807), (140, 43804), (145, 43753), (157, 43687), (161, 43675), (169, 43639), (183, 43594), (188, 43564), (195, 43525), (199, 43486), (203, 43453), (204, 43450), (206, 43444), (208, 43426), (216, 43393), (219, 43372), (225, 43342), (243, 43228), (247, 43186), (248, 43165), (251, 43132), (261, 43060), (263, 43054), (271, 43006), (280, 42961), (285, 42937), (288, 42922), (290, 42898),

Gene: Casbah_48 Start: 44727, Stop: 43114, Start Num: 35
Candidate Starts for Casbah_48:
(14, 44853), (15, 44847), (17, 44832), (Start: 33 @44736 has 9 MA's), (Start: 35 @44727 has 43 MA's), (56, 44631), (74, 44553), (91, 44418), (Start: 117 @44259 has 5 MA's), (123, 44244), (125, 44232), (131, 44202), (137, 44160), (145, 44082), (174, 43950), (180, 43917), (183, 43908), (198, 43815), (204, 43767), (207, 43752), (208, 43743), (221, 43683), (225, 43659), (242, 43569), (251, 43458), (261, 43425), (262, 43422), (264, 43407), (268, 43386), (274, 43353),

Gene: Caspiboi_50 Start: 44943, Stop: 43540, Start Num: 75
Candidate Starts for Caspiboi_50:
(40, 45108), (Start: 75 @44943 has 243 MA's), (Start: 76 @44940 has 85 MA's), (Start: 77 @44934 has 2 MA's), (82, 44892), (93, 44820), (99, 44799), (118, 44703), (131, 44652), (139, 44586), (140, 44583), (145, 44532), (157, 44466), (161, 44454), (169, 44418), (183, 44373), (188, 44343), (195, 44304), (199, 44265), (203, 44232), (204, 44229), (208, 44205), (216, 44172), (219, 44151), (225, 44121), (243, 44007), (247, 43965), (248, 43944), (251, 43911), (261, 43839), (263, 43833), (271, 43785), (280, 43740), (285, 43716), (288, 43701), (290, 43677),

Gene: Causa_67 Start: 52851, Stop: 51646, Start Num: 117
Candidate Starts for Causa_67:
(Start: 117 @52851 has 5 MA's), (122, 52842), (150, 52641), (154, 52620), (167, 52587), (182, 52530), (193, 52473), (194, 52470), (204, 52386), (213, 52341), (221, 52302), (240, 52128), (242, 52116), (248, 52032), (251, 51999), (261, 51966), (289, 51822), (291, 51801),

Gene: ChaChing_49 Start: 44890, Stop: 43277, Start Num: 35
Candidate Starts for ChaChing_49:
(14, 45016), (15, 45010), (17, 44995), (Start: 33 @44899 has 9 MA's), (Start: 35 @44890 has 43 MA's), (56, 44794), (74, 44716), (91, 44581), (Start: 117 @44422 has 5 MA's), (123, 44407), (125, 44395), (131, 44365), (137, 44323), (145, 44245), (156, 44179), (157, 44176), (174, 44113), (180, 44080), (183, 44071), (198, 43978), (204, 43930), (207, 43915), (208, 43906), (221, 43846), (225, 43822), (242, 43732), (251, 43621), (261, 43588), (262, 43585), (264, 43570), (268, 43549), (274, 43516),

Gene: Chaelin_51 Start: 44940, Stop: 43537, Start Num: 75
Candidate Starts for Chaelin_51:
(11, 45318), (12, 45273), (19, 45231), (28, 45150), (40, 45105), (Start: 75 @44940 has 243 MA's), (Start: 76 @44937 has 85 MA's), (Start: 77 @44931 has 2 MA's), (82, 44889), (93, 44817), (99, 44796), (118, 44700), (131, 44649), (139, 44583), (140, 44580), (145, 44529), (157, 44463), (161, 44451), (169, 44415), (183, 44370), (188, 44340), (195, 44301), (199, 44262), (203, 44229), (204, 44226), (208, 44202), (216, 44169), (219, 44148), (225, 44118), (243, 44004), (247, 43962), (248, 43941), (251, 43908), (261, 43836), (263, 43830), (271, 43782), (280, 43737), (285, 43713), (288, 43698), (290, 43674),

Gene: Chah_53 Start: 45395, Stop: 43992, Start Num: 75
Candidate Starts for Chah_53:
(11, 45773), (12, 45728), (19, 45686), (28, 45605), (40, 45560), (Start: 75 @45395 has 243 MA's), (Start: 76 @45392 has 85 MA's), (Start: 77 @45386 has 2 MA's), (82, 45344), (93, 45272), (99, 45251), (118, 45155), (131, 45104), (139, 45038), (140, 45035), (145, 44984), (157, 44918), (161, 44906), (169, 44870), (183, 44825), (188, 44795), (195, 44756), (199, 44717), (203, 44684), (204, 44681), (208, 44657), (216, 44624), (219, 44603), (225, 44573), (243, 44459), (247, 44417), (248, 44396), (251, 44363), (261, 44291), (263, 44285), (271, 44237), (280, 44192), (285, 44168), (288, 44153), (290, 44129),

Gene: Chalmers_49 Start: 45681, Stop: 44068, Start Num: 35
Candidate Starts for Chalmers_49:
(14, 45807), (15, 45801), (17, 45786), (Start: 33 @45690 has 9 MA's), (Start: 35 @45681 has 43 MA's), (56, 45585), (74, 45507), (91, 45372), (Start: 117 @45213 has 5 MA's), (123, 45198), (125, 45186), (131, 45156), (137, 45114), (145, 45036), (156, 44970), (157, 44967), (174, 44904), (180, 44871), (183, 44862), (198, 44769), (204, 44721), (205, 44718), (207, 44706), (208, 44697), (221, 44637), (225, 44613), (242, 44523), (251, 44412), (261, 44379), (262, 44376), (264, 44361), (268, 44340), (274, 44307),

Gene: Chandler_49 Start: 45657, Stop: 44044, Start Num: 35
Candidate Starts for Chandler_49:
(14, 45783), (15, 45777), (17, 45762), (Start: 33 @45666 has 9 MA's), (Start: 35 @45657 has 43 MA's), (56, 45561), (74, 45483), (91, 45348), (Start: 117 @45189 has 5 MA's), (123, 45174), (125, 45162), (131, 45132), (137, 45090), (145, 45012), (174, 44880), (180, 44847), (183, 44838), (198, 44745), (204, 44697), (207, 44682), (208, 44673), (216, 44640), (221, 44613), (225, 44589), (242, 44499), (251, 44388), (261, 44355), (262, 44352), (264, 44337), (268, 44316), (274, 44283),

Gene: Charles1_51 Start: 45225, Stop: 43822, Start Num: 75
Candidate Starts for Charles1_51:
(40, 45390), (Start: 75 @45225 has 243 MA's), (Start: 76 @45222 has 85 MA's), (Start: 77 @45216 has 2 MA's), (82, 45174), (93, 45102), (99, 45081), (118, 44985), (131, 44934), (139, 44868), (140, 44865), (143, 44841), (145, 44814), (157, 44748), (161, 44736), (169, 44700), (183, 44655), (188, 44625), (195, 44586), (199, 44547), (203, 44514), (204, 44511), (208, 44487), (216, 44454), (219, 44433), (225, 44403), (243, 44289), (247, 44247), (248, 44226), (251, 44193), (261, 44121), (263, 44115), (271, 44067), (280, 44022), (285, 43998), (288, 43983), (290, 43959),

Gene: CharlieGBrown_50 Start: 44815, Stop: 43412, Start Num: 75
Candidate Starts for CharlieGBrown_50:
(40, 44980), (Start: 75 @44815 has 243 MA's), (Start: 76 @44812 has 85 MA's), (Start: 77 @44806 has 2 MA's), (82, 44764), (93, 44692), (99, 44671), (118, 44575), (131, 44524), (139, 44458), (140, 44455), (145, 44404), (157, 44338), (161, 44326), (169, 44290), (183, 44245), (188, 44215), (195, 44176), (199, 44137), (203, 44104), (204, 44101), (206, 44095), (208, 44077), (216, 44044), (219,

44023), (225, 43993), (243, 43879), (247, 43837), (248, 43816), (251, 43783), (261, 43711), (263, 43705), (271, 43657), (280, 43612), (285, 43588), (288, 43573), (290, 43549),

Gene: CharlottesWeb_44 Start: 37656, Stop: 36502, Start Num: 117
Candidate Starts for CharlottesWeb_44:
(Start: 117 @37656 has 5 MA's), (125, 37629), (131, 37599), (172, 37362), (180, 37344), (193, 37281), (194, 37278), (196, 37266), (216, 37137), (221, 37110), (225, 37086), (234, 37038), (237, 37026), (242, 36996), (248, 36918), (251, 36885), (258, 36852), (260, 36825), (268, 36780), (269, 36774), (274, 36747), (275, 36744), (285, 36696), (302, 36534),

Gene: CheetO_51 Start: 45257, Stop: 43854, Start Num: 75
Candidate Starts for CheetO_51:
(40, 45422), (Start: 75 @45257 has 243 MA's), (Start: 76 @45254 has 85 MA's), (Start: 77 @45248 has 2 MA's), (82, 45206), (93, 45134), (99, 45113), (118, 45017), (131, 44966), (139, 44900), (140, 44897), (145, 44846), (157, 44780), (161, 44768), (169, 44732), (183, 44687), (188, 44657), (195, 44618), (199, 44579), (203, 44546), (204, 44543), (208, 44519), (216, 44486), (219, 44465), (225, 44435), (243, 44321), (247, 44279), (248, 44258), (251, 44225), (261, 44153), (263, 44147), (271, 44099), (280, 44054), (285, 44030), (288, 44015), (290, 43991),

Gene: Chentzyk_49 Start: 45239, Stop: 43626, Start Num: 35
Candidate Starts for Chentzyk_49:
(14, 45365), (15, 45359), (17, 45344), (Start: 33 @45248 has 9 MA's), (Start: 35 @45239 has 43 MA's), (56, 45143), (74, 45065), (91, 44930), (Start: 117 @44771 has 5 MA's), (123, 44756), (125, 44744), (131, 44714), (137, 44672), (145, 44594), (174, 44462), (180, 44429), (183, 44420), (198, 44327), (204, 44279), (207, 44264), (208, 44255), (216, 44222), (221, 44195), (225, 44171), (242, 44081), (251, 43970), (261, 43937), (262, 43934), (264, 43919), (268, 43898), (274, 43865),

Gene: Cher_50 Start: 44962, Stop: 43559, Start Num: 75
Candidate Starts for Cher_50:
(11, 45340), (12, 45295), (19, 45253), (28, 45172), (40, 45127), (Start: 75 @44962 has 243 MA's), (Start: 76 @44959 has 85 MA's), (Start: 77 @44953 has 2 MA's), (82, 44911), (93, 44839), (99, 44818), (118, 44722), (131, 44671), (139, 44605), (140, 44602), (145, 44551), (157, 44485), (161, 44473), (169, 44437), (183, 44392), (188, 44362), (195, 44323), (199, 44284), (203, 44251), (204, 44248), (208, 44224), (216, 44191), (219, 44170), (225, 44140), (243, 44026), (247, 43984), (248, 43963), (251, 43930), (261, 43858), (263, 43852), (271, 43804), (280, 43759), (285, 43735), (288, 43720), (290, 43696),

Gene: Childish_50 Start: 44965, Stop: 43562, Start Num: 75
Candidate Starts for Childish_50:
(40, 45130), (Start: 75 @44965 has 243 MA's), (Start: 76 @44962 has 85 MA's), (Start: 77 @44956 has 2 MA's), (82, 44914), (93, 44842), (99, 44821), (118, 44725), (131, 44674), (139, 44608), (140, 44605), (143, 44581), (145, 44554), (157, 44488), (161, 44476), (169, 44440), (183, 44395), (188, 44365), (195, 44326), (199, 44287), (203, 44254), (204, 44251), (208, 44227), (216, 44194), (219, 44173), (225, 44143), (243, 44029), (247, 43987), (248, 43966), (251, 43933), (261, 43861), (263, 43855), (271, 43807), (280, 43762), (285, 43738), (288, 43723), (290, 43699),

Gene: Chipette_52 Start: 45452, Stop: 44052, Start Num: 76
Candidate Starts for Chipette_52:
(11, 45833), (12, 45788), (19, 45746), (28, 45665), (40, 45620), (Start: 75 @45455 has 243 MA's), (Start: 76 @45452 has 85 MA's), (Start: 77 @45446 has 2 MA's), (82, 45404), (93, 45332), (99, 45311), (118, 45215), (131, 45164), (139, 45098), (140, 45095), (145, 45044), (157, 44978), (161, 44966), (169, 44930), (183, 44885), (188, 44855), (195, 44816), (199, 44777), (203, 44744), (204, 44741), (208, 44717), (216, 44684), (219, 44663), (225, 44633), (243, 44519), (247, 44477), (248,

44456), (251, 44423), (261, 44351), (263, 44345), (271, 44297), (280, 44252), (285, 44228), (288, 44213), (290, 44189),

Gene: Chorkpop_51 Start: 44973, Stop: 43570, Start Num: 75
Candidate Starts for Chorkpop_51:
(11, 45351), (12, 45306), (19, 45264), (28, 45183), (40, 45138), (Start: 75 @44973 has 243 MA's), (Start: 76 @44970 has 85 MA's), (Start: 77 @44964 has 2 MA's), (82, 44922), (93, 44850), (99, 44829), (118, 44733), (131, 44682), (139, 44616), (140, 44613), (145, 44562), (157, 44496), (161, 44484), (169, 44448), (183, 44403), (188, 44373), (195, 44334), (199, 44295), (203, 44262), (204, 44259), (208, 44235), (216, 44202), (219, 44181), (225, 44151), (243, 44037), (247, 43995), (248, 43974), (251, 43941), (261, 43869), (263, 43863), (271, 43815), (280, 43770), (285, 43746), (288, 43731), (290, 43707),

Gene: ChrisnMich_46 Start: 44677, Stop: 43334, Start Num: 72
Candidate Starts for ChrisnMich_46:
(Start: 72 @44677 has 35 MA's), (Start: 75 @44674 has 243 MA's), (Start: 77 @44665 has 2 MA's), (78, 44659), (84, 44608), (115, 44461), (131, 44395), (133, 44371), (157, 44209), (163, 44191), (165, 44176), (166, 44173), (173, 44146), (189, 44083), (191, 44074), (202, 43987), (204, 43978), (207, 43963), (216, 43921), (217, 43918), (219, 43900), (222, 43882), (225, 43870), (232, 43843), (237, 43810), (241, 43789), (242, 43780), (245, 43735), (246, 43729), (247, 43720), (248, 43699), (251, 43666), (263, 43627), (274, 43561), (275, 43558), (289, 43489), (290, 43471),

Gene: Chuni_51 Start: 45259, Stop: 43856, Start Num: 72
Candidate Starts for Chuni_51:
(40, 45421), (Start: 72 @45259 has 35 MA's), (Start: 76 @45256 has 85 MA's), (82, 45208), (93, 45136), (99, 45115), (118, 45019), (131, 44968), (139, 44902), (140, 44899), (143, 44875), (145, 44848), (157, 44782), (161, 44770), (169, 44734), (183, 44689), (188, 44659), (195, 44620), (199, 44581), (203, 44548), (204, 44545), (208, 44521), (216, 44488), (219, 44467), (225, 44437), (243, 44323), (247, 44281), (248, 44260), (251, 44227), (261, 44155), (263, 44149), (271, 44101), (280, 44056), (285, 44032), (288, 44017), (290, 43993),

Gene: Chunky_51 Start: 45258, Stop: 43858, Start Num: 76
Candidate Starts for Chunky_51:
(40, 45426), (Start: 75 @45261 has 243 MA's), (Start: 76 @45258 has 85 MA's), (Start: 77 @45252 has 2 MA's), (82, 45210), (93, 45138), (99, 45117), (118, 45021), (131, 44970), (139, 44904), (140, 44901), (145, 44850), (157, 44784), (161, 44772), (169, 44736), (183, 44691), (188, 44661), (195, 44622), (199, 44583), (203, 44550), (204, 44547), (208, 44523), (216, 44490), (219, 44469), (225, 44439), (243, 44325), (247, 44283), (248, 44262), (251, 44229), (261, 44157), (263, 44151), (271, 44103), (280, 44058), (285, 44034), (288, 44019), (290, 43995),

Gene: Chute_51 Start: 45289, Stop: 43886, Start Num: 72
Candidate Starts for Chute_51:
(40, 45451), (Start: 72 @45289 has 35 MA's), (Start: 76 @45286 has 85 MA's), (82, 45238), (93, 45166), (99, 45145), (118, 45049), (131, 44998), (139, 44932), (140, 44929), (143, 44905), (145, 44878), (157, 44812), (161, 44800), (169, 44764), (183, 44719), (188, 44689), (195, 44650), (199, 44611), (203, 44578), (204, 44575), (208, 44551), (216, 44518), (219, 44497), (225, 44467), (243, 44353), (247, 44311), (248, 44290), (251, 44257), (261, 44185), (263, 44179), (271, 44131), (280, 44086), (285, 44062), (288, 44047), (290, 44023),

Gene: CloverMinnie_47 Start: 40251, Stop: 38860, Start Num: 21
Candidate Starts for CloverMinnie_47:
(7, 40455), (9, 40410), (Start: 21 @40251 has 7 MA's), (26, 40224), (Start: 41 @40173 has 6 MA's), (80, 40029), (121, 40023), (129, 39990), (131, 39972), (134, 39939), (136, 39933), (146, 39843), (160,

39783), (179, 39714), (193, 39651), (201, 39579), (203, 39567), (207, 39549), (208, 39540), (216, 39507), (225, 39456), (233, 39426), (236, 39399), (237, 39396), (248, 39288), (252, 39246), (256, 39213), (260, 39168), (263, 39156), (268, 39123), (269, 39117), (274, 39090),

Gene: Cobra_51 Start: 45246, Stop: 43843, Start Num: 75
Candidate Starts for Cobra_51:
(40, 45411), (Start: 75 @45246 has 243 MA's), (Start: 76 @45243 has 85 MA's), (Start: 77 @45237 has 2 MA's), (82, 45195), (93, 45123), (99, 45102), (118, 45006), (131, 44955), (139, 44889), (140, 44886), (145, 44835), (157, 44769), (161, 44757), (169, 44721), (183, 44676), (188, 44646), (195, 44607), (199, 44568), (203, 44535), (204, 44532), (206, 44526), (208, 44508), (216, 44475), (219, 44454), (225, 44424), (243, 44310), (247, 44268), (248, 44247), (251, 44214), (261, 44142), (263, 44136), (271, 44088), (280, 44043), (285, 44019), (288, 44004), (290, 43980),

Gene: Coco2012_44 Start: 37649, Stop: 36495, Start Num: 117
Candidate Starts for Coco2012_44:
(Start: 117 @37649 has 5 MA's), (125, 37622), (131, 37592), (172, 37355), (180, 37337), (193, 37274), (194, 37271), (196, 37259), (216, 37130), (221, 37103), (225, 37079), (234, 37031), (237, 37019), (242, 36989), (244, 36956), (248, 36911), (251, 36878), (258, 36845), (260, 36818), (268, 36773), (269, 36767), (274, 36740), (275, 36737), (285, 36689), (302, 36527),

Gene: Coffee_50 Start: 44969, Stop: 43602, Start Num: 76
Candidate Starts for Coffee_50:
(Start: 76 @44969 has 85 MA's), (83, 44906), (85, 44891), (109, 44780), (Start: 117 @44729 has 5 MA's), (130, 44681), (135, 44633), (154, 44492), (157, 44483), (175, 44438), (177, 44432), (178, 44426), (183, 44414), (199, 44309), (203, 44276), (207, 44258), (208, 44249), (216, 44216), (221, 44189), (225, 44165), (229, 44138), (235, 44111), (244, 44036), (248, 43991), (251, 43958), (258, 43937), (260, 43931), (266, 43898), (267, 43889), (269, 43880), (296, 43718), (297, 43700), (302, 43643),

Gene: Colbert_51 Start: 45310, Stop: 43910, Start Num: 76
Candidate Starts for Colbert_51:
(11, 45691), (12, 45646), (19, 45604), (28, 45523), (40, 45478), (Start: 75 @45313 has 243 MA's), (Start: 76 @45310 has 85 MA's), (Start: 77 @45304 has 2 MA's), (82, 45262), (93, 45190), (99, 45169), (118, 45073), (131, 45022), (139, 44956), (140, 44953), (145, 44902), (157, 44836), (161, 44824), (169, 44788), (183, 44743), (188, 44713), (195, 44674), (199, 44635), (203, 44602), (204, 44599), (208, 44575), (216, 44542), (219, 44521), (225, 44491), (243, 44377), (247, 44335), (248, 44314), (251, 44281), (261, 44209), (263, 44203), (271, 44155), (280, 44110), (285, 44086), (288, 44071), (290, 44047),

Gene: Coldpizza_46 Start: 41656, Stop: 40406, Start Num: 44
Candidate Starts for Coldpizza_46:
(15, 41815), (Start: 44 @41656 has 1 MA's), (54, 41611), (Start: 117 @41527 has 5 MA's), (127, 41494), (131, 41470), (134, 41437), (136, 41431), (145, 41350), (159, 41284), (180, 41230), (203, 41083), (207, 41065), (216, 41023), (219, 41002), (221, 40996), (225, 40972), (228, 40945), (242, 40882), (248, 40804), (251, 40771), (263, 40732), (268, 40699), (269, 40693), (274, 40666), (281, 40630), (293, 40552), (296, 40528),

Gene: Coletti_51 Start: 45289, Stop: 43886, Start Num: 72
Candidate Starts for Coletti_51:
(40, 45451), (Start: 72 @45289 has 35 MA's), (Start: 76 @45286 has 85 MA's), (82, 45238), (93, 45166), (99, 45145), (118, 45049), (131, 44998), (139, 44932), (140, 44929), (143, 44905), (145, 44878), (157, 44812), (161, 44800), (169, 44764), (183, 44719), (188, 44689), (195, 44650), (199, 44611), (203, 44578), (204, 44575), (208, 44551), (216, 44518), (219, 44497), (225, 44467), (243,

44353), (247, 44311), (248, 44290), (251, 44257), (261, 44185), (263, 44179), (271, 44131), (280, 44086), (285, 44062), (288, 44047), (290, 44023),

Gene: Compostia_50 Start: 45305, Stop: 43692, Start Num: 35
Candidate Starts for Compostia_50:
(14, 45431), (15, 45425), (17, 45410), (Start: 33 @45314 has 9 MA's), (Start: 35 @45305 has 43 MA's), (56, 45209), (74, 45131), (91, 44996), (Start: 117 @44837 has 5 MA's), (123, 44822), (125, 44810), (131, 44780), (137, 44738), (145, 44660), (174, 44528), (180, 44495), (183, 44486), (198, 44393), (204, 44345), (207, 44330), (208, 44321), (216, 44288), (221, 44261), (225, 44237), (242, 44147), (251, 44036), (261, 44003), (262, 44000), (264, 43985), (268, 43964), (274, 43931),

Gene: Cooper_47 Start: 44873, Stop: 43536, Start Num: 77
Candidate Starts for Cooper_47:
(51, 44969), (Start: 72 @44885 has 35 MA's), (Start: 77 @44873 has 2 MA's), (114, 44672), (131, 44597), (158, 44408), (163, 44393), (165, 44378), (187, 44309), (189, 44285), (191, 44276), (196, 44252), (204, 44180), (207, 44165), (209, 44153), (216, 44123), (217, 44120), (219, 44102), (225, 44072), (232, 44045), (240, 43994), (242, 43982), (245, 43937), (246, 43931), (247, 43922), (251, 43868), (257, 43859), (263, 43829), (274, 43763), (275, 43760), (289, 43691), (290, 43673),

Gene: Cornbread_50 Start: 44962, Stop: 43559, Start Num: 75
Candidate Starts for Cornbread_50:
(40, 45127), (Start: 75 @44962 has 243 MA's), (Start: 76 @44959 has 85 MA's), (Start: 77 @44953 has 2 MA's), (82, 44911), (93, 44839), (99, 44818), (118, 44722), (131, 44671), (139, 44605), (140, 44602), (145, 44551), (157, 44485), (161, 44473), (169, 44437), (183, 44392), (188, 44362), (195, 44323), (199, 44284), (203, 44251), (204, 44248), (206, 44242), (208, 44224), (216, 44191), (219, 44170), (225, 44140), (243, 44026), (247, 43984), (248, 43963), (251, 43930), (261, 43858), (263, 43852), (271, 43804), (280, 43759), (285, 43735), (288, 43720), (290, 43696),

Gene: Cornobble_50 Start: 44803, Stop: 43400, Start Num: 75
Candidate Starts for Cornobble_50:
(40, 44968), (Start: 75 @44803 has 243 MA's), (Start: 76 @44800 has 85 MA's), (Start: 77 @44794 has 2 MA's), (82, 44752), (93, 44680), (99, 44659), (118, 44563), (131, 44512), (139, 44446), (140, 44443), (145, 44392), (157, 44326), (161, 44314), (169, 44278), (183, 44233), (188, 44203), (195, 44164), (199, 44125), (203, 44092), (204, 44089), (208, 44065), (216, 44032), (219, 44011), (225, 43981), (243, 43867), (247, 43825), (248, 43804), (251, 43771), (261, 43699), (263, 43693), (271, 43645), (280, 43600), (285, 43576), (288, 43561), (290, 43537),

Gene: Corofin_49 Start: 44900, Stop: 43287, Start Num: 35
Candidate Starts for Corofin_49:
(14, 45026), (15, 45020), (17, 45005), (Start: 33 @44909 has 9 MA's), (Start: 35 @44900 has 43 MA's), (56, 44804), (74, 44726), (91, 44591), (Start: 117 @44432 has 5 MA's), (123, 44417), (125, 44405), (131, 44375), (137, 44333), (145, 44255), (174, 44123), (180, 44090), (183, 44081), (198, 43988), (204, 43940), (207, 43925), (208, 43916), (216, 43883), (221, 43856), (225, 43832), (242, 43742), (251, 43631), (261, 43598), (262, 43595), (264, 43580), (268, 43559), (274, 43526),

Gene: Cosmolli16_50 Start: 44953, Stop: 43550, Start Num: 72
Candidate Starts for Cosmolli16_50:
(Start: 72 @44953 has 35 MA's), (Start: 76 @44950 has 85 MA's), (Start: 77 @44944 has 2 MA's), (82, 44902), (93, 44830), (99, 44809), (118, 44713), (131, 44662), (139, 44596), (140, 44593), (145, 44542), (157, 44476), (161, 44464), (169, 44428), (183, 44383), (188, 44353), (195, 44314), (199, 44275), (203, 44242), (204, 44239), (208, 44215), (216, 44182), (219, 44161), (225, 44131), (243, 44017), (247, 43975), (248, 43954), (251, 43921), (261, 43849), (263, 43843), (271, 43795), (280, 43750), (285, 43726), (288, 43711), (290, 43687),

Gene: Craff_52 Start: 45381, Stop: 43978, Start Num: 75
Candidate Starts for Craff_52:
(40, 45546), (Start: 75 @45381 has 243 MA's), (Start: 76 @45378 has 85 MA's), (Start: 77 @45372 has 2 MA's), (82, 45330), (93, 45258), (99, 45237), (118, 45141), (131, 45090), (139, 45024), (140, 45021), (143, 44997), (145, 44970), (157, 44904), (161, 44892), (169, 44856), (183, 44811), (188, 44781), (195, 44742), (199, 44703), (203, 44670), (204, 44667), (208, 44643), (216, 44610), (219, 44589), (225, 44559), (243, 44445), (247, 44403), (248, 44382), (251, 44349), (261, 44277), (263, 44271), (271, 44223), (280, 44178), (285, 44154), (288, 44139), (290, 44115),

Gene: Crownjwl_51 Start: 45019, Stop: 43619, Start Num: 76
Candidate Starts for Crownjwl_51:
(Start: 72 @45022 has 35 MA's), (Start: 76 @45019 has 85 MA's), (Start: 77 @45013 has 2 MA's), (82, 44971), (93, 44899), (99, 44878), (118, 44782), (131, 44731), (139, 44665), (140, 44662), (145, 44611), (157, 44545), (161, 44533), (169, 44497), (183, 44452), (188, 44422), (195, 44383), (199, 44344), (203, 44311), (204, 44308), (208, 44284), (216, 44251), (219, 44230), (225, 44200), (243, 44086), (247, 44044), (248, 44023), (251, 43990), (261, 43918), (263, 43912), (271, 43864), (280, 43819), (285, 43795), (288, 43780), (290, 43756),

Gene: DaddyDaniels_51 Start: 44934, Stop: 43531, Start Num: 75
Candidate Starts for DaddyDaniels_51:
(11, 45312), (12, 45267), (19, 45225), (28, 45144), (40, 45099), (Start: 75 @44934 has 243 MA's), (Start: 76 @44931 has 85 MA's), (Start: 77 @44925 has 2 MA's), (82, 44883), (93, 44811), (99, 44790), (118, 44694), (131, 44643), (139, 44577), (140, 44574), (145, 44523), (157, 44457), (161, 44445), (169, 44409), (183, 44364), (188, 44334), (195, 44295), (199, 44256), (203, 44223), (204, 44220), (208, 44196), (216, 44163), (219, 44142), (225, 44112), (243, 43998), (247, 43956), (248, 43935), (251, 43902), (261, 43830), (263, 43824), (271, 43776), (280, 43731), (285, 43707), (288, 43692), (290, 43668),

Gene: Daffy_51 Start: 44956, Stop: 43556, Start Num: 76
Candidate Starts for Daffy_51:
(11, 45337), (12, 45292), (19, 45250), (28, 45169), (40, 45124), (Start: 75 @44959 has 243 MA's), (Start: 76 @44956 has 85 MA's), (Start: 77 @44950 has 2 MA's), (82, 44908), (93, 44836), (99, 44815), (118, 44719), (131, 44668), (139, 44602), (140, 44599), (145, 44548), (157, 44482), (161, 44470), (169, 44434), (183, 44389), (188, 44359), (195, 44320), (199, 44281), (203, 44248), (204, 44245), (208, 44221), (216, 44188), (219, 44167), (225, 44137), (243, 44023), (247, 43981), (248, 43960), (251, 43927), (261, 43855), (263, 43849), (271, 43801), (280, 43756), (285, 43732), (288, 43717), (290, 43693),

Gene: Daisy_49 Start: 44902, Stop: 43289, Start Num: 35
Candidate Starts for Daisy_49:
(14, 45028), (15, 45022), (17, 45007), (Start: 33 @44911 has 9 MA's), (Start: 35 @44902 has 43 MA's), (56, 44806), (74, 44728), (91, 44593), (Start: 117 @44434 has 5 MA's), (123, 44419), (125, 44407), (131, 44377), (137, 44335), (145, 44257), (174, 44125), (180, 44092), (183, 44083), (198, 43990), (204, 43942), (207, 43927), (208, 43918), (221, 43858), (225, 43834), (242, 43744), (251, 43633), (261, 43600), (264, 43582), (268, 43561), (274, 43528),

Gene: Daka_52 Start: 45238, Stop: 43835, Start Num: 75
Candidate Starts for Daka_52:
(11, 45616), (12, 45571), (19, 45529), (28, 45448), (40, 45403), (Start: 75 @45238 has 243 MA's), (Start: 76 @45235 has 85 MA's), (Start: 77 @45229 has 2 MA's), (82, 45187), (93, 45115), (99, 45094), (118, 44998), (131, 44947), (139, 44881), (140, 44878), (145, 44827), (157, 44761), (161, 44749), (169, 44713), (183, 44668), (188, 44638), (195, 44599), (199, 44560), (203, 44527), (204,

44524), (208, 44500), (216, 44467), (219, 44446), (225, 44416), (243, 44302), (247, 44260), (248, 44239), (251, 44206), (261, 44134), (263, 44128), (271, 44080), (280, 44035), (285, 44011), (288, 43996), (290, 43972),

Gene: Dati_51 Start: 44962, Stop: 43559, Start Num: 75
Candidate Starts for Dati_51:
(40, 45127), (Start: 75 @44962 has 243 MA's), (Start: 76 @44959 has 85 MA's), (Start: 77 @44953 has 2 MA's), (82, 44911), (93, 44839), (99, 44818), (118, 44722), (131, 44671), (139, 44605), (140, 44602), (145, 44551), (157, 44485), (161, 44473), (169, 44437), (183, 44392), (188, 44362), (195, 44323), (199, 44284), (203, 44251), (204, 44248), (206, 44242), (208, 44224), (216, 44191), (219, 44170), (225, 44140), (243, 44026), (247, 43984), (248, 43963), (251, 43930), (261, 43858), (263, 43852), (271, 43804), (280, 43759), (285, 43735), (288, 43720), (290, 43696),

Gene: Deenasa_49 Start: 45637, Stop: 44024, Start Num: 35
Candidate Starts for Deenasa_49:
(14, 45763), (15, 45757), (17, 45742), (Start: 33 @45646 has 9 MA's), (Start: 35 @45637 has 43 MA's), (56, 45541), (74, 45463), (91, 45328), (Start: 117 @45169 has 5 MA's), (123, 45154), (125, 45142), (131, 45112), (137, 45070), (145, 44992), (156, 44926), (157, 44923), (174, 44860), (180, 44827), (183, 44818), (198, 44725), (204, 44677), (205, 44674), (207, 44662), (208, 44653), (221, 44593), (225, 44569), (242, 44479), (251, 44368), (261, 44335), (262, 44332), (264, 44317), (268, 44296), (274, 44263),

Gene: DelRivs_50 Start: 44963, Stop: 43563, Start Num: 76
Candidate Starts for DelRivs_50:
(11, 45344), (12, 45299), (19, 45257), (28, 45176), (40, 45131), (Start: 75 @44966 has 243 MA's), (Start: 76 @44963 has 85 MA's), (Start: 77 @44957 has 2 MA's), (82, 44915), (93, 44843), (99, 44822), (118, 44726), (131, 44675), (139, 44609), (140, 44606), (145, 44555), (157, 44489), (161, 44477), (169, 44441), (183, 44396), (188, 44366), (195, 44327), (199, 44288), (203, 44255), (204, 44252), (208, 44228), (216, 44195), (219, 44174), (225, 44144), (243, 44030), (247, 43988), (248, 43967), (251, 43934), (261, 43862), (263, 43856), (271, 43808), (280, 43763), (285, 43739), (288, 43724), (290, 43700),

Gene: Derpp_50 Start: 44804, Stop: 43401, Start Num: 75
Candidate Starts for Derpp_50:
(11, 45182), (12, 45137), (19, 45095), (28, 45014), (40, 44969), (Start: 75 @44804 has 243 MA's), (Start: 76 @44801 has 85 MA's), (Start: 77 @44795 has 2 MA's), (82, 44753), (93, 44681), (99, 44660), (118, 44564), (131, 44513), (139, 44447), (140, 44444), (145, 44393), (157, 44327), (161, 44315), (169, 44279), (183, 44234), (188, 44204), (195, 44165), (199, 44126), (203, 44093), (204, 44090), (206, 44084), (208, 44066), (216, 44033), (219, 44012), (225, 43982), (243, 43868), (247, 43826), (248, 43805), (251, 43772), (261, 43700), (263, 43694), (271, 43646), (280, 43601), (285, 43577), (288, 43562), (290, 43538),

Gene: Devonte_49 Start: 44865, Stop: 43252, Start Num: 35
Candidate Starts for Devonte_49:
(14, 44991), (15, 44985), (17, 44970), (Start: 33 @44874 has 9 MA's), (Start: 35 @44865 has 43 MA's), (56, 44769), (74, 44691), (91, 44556), (Start: 117 @44397 has 5 MA's), (123, 44382), (125, 44370), (131, 44340), (137, 44298), (145, 44220), (156, 44154), (157, 44151), (174, 44088), (180, 44055), (183, 44046), (198, 43953), (204, 43905), (205, 43902), (207, 43890), (208, 43881), (221, 43821), (225, 43797), (242, 43707), (251, 43596), (261, 43563), (262, 43560), (264, 43545), (268, 43524), (274, 43491),

Gene: Dice_50 Start: 44930, Stop: 43527, Start Num: 75
Candidate Starts for Dice_50:

(11, 45308), (12, 45263), (19, 45221), (28, 45140), (40, 45095), (Start: 75 @44930 has 243 MA's), (Start: 76 @44927 has 85 MA's), (Start: 77 @44921 has 2 MA's), (82, 44879), (93, 44807), (99, 44786), (118, 44690), (131, 44639), (139, 44573), (140, 44570), (145, 44519), (157, 44453), (161, 44441), (169, 44405), (183, 44360), (188, 44330), (195, 44291), (199, 44252), (203, 44219), (204, 44216), (208, 44192), (216, 44159), (219, 44138), (225, 44108), (243, 43994), (247, 43952), (248, 43931), (251, 43898), (261, 43826), (263, 43820), (271, 43772), (280, 43727), (285, 43703), (288, 43688), (290, 43664),

Gene: DigitDog_50 Start: 45861, Stop: 44476, Start Num: 73
Candidate Starts for DigitDog_50:
(Start: 73 @45861 has 10 MA's), (Start: 79 @45843 has 2 MA's), (118, 45624), (126, 45594), (149, 45429), (157, 45387), (164, 45369), (167, 45354), (185, 45303), (193, 45252), (204, 45165), (207, 45150), (208, 45141), (221, 45081), (225, 45057), (226, 45054), (241, 44976), (245, 44922), (248, 44889), (251, 44856), (253, 44838), (261, 44784), (268, 44745), (269, 44739), (274, 44712), (289, 44631), (293, 44592), (297, 44550),

Gene: Dingo_51 Start: 45229, Stop: 43826, Start Num: 75
Candidate Starts for Dingo_51:
(11, 45607), (12, 45562), (19, 45520), (28, 45439), (40, 45394), (Start: 75 @45229 has 243 MA's), (Start: 76 @45226 has 85 MA's), (Start: 77 @45220 has 2 MA's), (82, 45178), (93, 45106), (99, 45085), (118, 44989), (131, 44938), (139, 44872), (140, 44869), (145, 44818), (157, 44752), (161, 44740), (169, 44704), (183, 44659), (188, 44629), (195, 44590), (199, 44551), (203, 44518), (204, 44515), (208, 44491), (216, 44458), (219, 44437), (225, 44407), (243, 44293), (247, 44251), (248, 44230), (251, 44197), (261, 44125), (263, 44119), (271, 44071), (280, 44026), (285, 44002), (288, 43987), (290, 43963),

Gene: Dione_50 Start: 44938, Stop: 43535, Start Num: 75
Candidate Starts for Dione_50:
(40, 45103), (Start: 75 @44938 has 243 MA's), (Start: 76 @44935 has 85 MA's), (Start: 77 @44929 has 2 MA's), (82, 44887), (93, 44815), (99, 44794), (118, 44698), (131, 44647), (139, 44581), (140, 44578), (145, 44527), (157, 44461), (161, 44449), (169, 44413), (183, 44368), (188, 44338), (195, 44299), (199, 44260), (203, 44227), (204, 44224), (208, 44200), (216, 44167), (219, 44146), (225, 44116), (243, 44002), (247, 43960), (248, 43939), (251, 43906), (261, 43834), (263, 43828), (271, 43780), (280, 43735), (285, 43711), (288, 43696), (290, 43672),

Gene: DirtJuice_51 Start: 45228, Stop: 43825, Start Num: 75
Candidate Starts for DirtJuice_51:
(11, 45606), (12, 45561), (19, 45519), (28, 45438), (40, 45393), (Start: 75 @45228 has 243 MA's), (Start: 76 @45225 has 85 MA's), (Start: 77 @45219 has 2 MA's), (82, 45177), (93, 45105), (99, 45084), (118, 44988), (131, 44937), (139, 44871), (140, 44868), (145, 44817), (157, 44751), (161, 44739), (169, 44703), (183, 44658), (188, 44628), (195, 44589), (199, 44550), (203, 44517), (204, 44514), (208, 44490), (216, 44457), (219, 44436), (225, 44406), (243, 44292), (247, 44250), (248, 44229), (251, 44196), (261, 44124), (263, 44118), (271, 44070), (280, 44025), (285, 44001), (288, 43986), (290, 43962),

Gene: Doddsville_51 Start: 44955, Stop: 43555, Start Num: 76
Candidate Starts for Doddsville_51:
(40, 45123), (Start: 75 @44958 has 243 MA's), (Start: 76 @44955 has 85 MA's), (Start: 77 @44949 has 2 MA's), (82, 44907), (93, 44835), (99, 44814), (118, 44718), (131, 44667), (139, 44601), (140, 44598), (143, 44574), (145, 44547), (157, 44481), (161, 44469), (169, 44433), (183, 44388), (188, 44358), (195, 44319), (199, 44280), (203, 44247), (204, 44244), (206, 44238), (208, 44220), (216, 44187), (219, 44166), (225, 44136), (243, 44022), (247, 43980), (248, 43959), (251, 43926), (261, 43854), (263, 43848), (271, 43800), (280, 43755), (285, 43731), (288, 43716), (290, 43692),

Gene: DoesntMatter_50 Start: 45231, Stop: 43828, Start Num: 75
Candidate Starts for DoesntMatter_50:
(40, 45396), (Start: 75 @45231 has 243 MA's), (Start: 76 @45228 has 85 MA's), (Start: 77 @45222 has 2 MA's), (82, 45180), (93, 45108), (99, 45087), (118, 44991), (131, 44940), (139, 44874), (140, 44871), (145, 44820), (157, 44754), (161, 44742), (169, 44706), (183, 44661), (188, 44631), (195, 44592), (199, 44553), (203, 44520), (204, 44517), (208, 44493), (216, 44460), (219, 44439), (225, 44409), (243, 44295), (247, 44253), (248, 44232), (251, 44199), (261, 44127), (263, 44121), (271, 44073), (280, 44028), (285, 44004), (288, 43989), (290, 43965),

Gene: DolOn_54 Start: 45603, Stop: 44203, Start Num: 76
Candidate Starts for DolOn_54:
(40, 45771), (Start: 75 @45606 has 243 MA's), (Start: 76 @45603 has 85 MA's), (Start: 77 @45597 has 2 MA's), (82, 45555), (93, 45483), (99, 45462), (118, 45366), (131, 45315), (139, 45249), (140, 45246), (143, 45222), (145, 45195), (157, 45129), (161, 45117), (169, 45081), (183, 45036), (188, 45006), (195, 44967), (199, 44928), (203, 44895), (204, 44892), (208, 44868), (216, 44835), (219, 44814), (225, 44784), (243, 44670), (247, 44628), (248, 44607), (251, 44574), (261, 44502), (263, 44496), (271, 44448), (280, 44403), (285, 44379), (288, 44364), (290, 44340),

Gene: DonSanchon_50 Start: 44941, Stop: 43538, Start Num: 75
Candidate Starts for DonSanchon_50:
(11, 45319), (12, 45274), (19, 45232), (28, 45151), (40, 45106), (Start: 75 @44941 has 243 MA's), (Start: 76 @44938 has 85 MA's), (Start: 77 @44932 has 2 MA's), (82, 44890), (93, 44818), (99, 44797), (118, 44701), (131, 44650), (139, 44584), (140, 44581), (143, 44557), (145, 44530), (157, 44464), (161, 44452), (169, 44416), (183, 44371), (188, 44341), (195, 44302), (199, 44263), (203, 44230), (204, 44227), (208, 44203), (216, 44170), (219, 44149), (225, 44119), (243, 44005), (247, 43963), (248, 43942), (251, 43909), (261, 43837), (263, 43831), (271, 43783), (280, 43738), (285, 43714), (288, 43699), (290, 43675),

Gene: Donny_51 Start: 46147, Stop: 44765, Start Num: 73
Candidate Starts for Donny_51:
(23, 46372), (Start: 73 @46147 has 10 MA's), (Start: 79 @46129 has 2 MA's), (118, 45913), (126, 45883), (149, 45718), (157, 45676), (164, 45658), (167, 45643), (185, 45592), (204, 45454), (207, 45439), (208, 45430), (218, 45379), (221, 45370), (225, 45346), (226, 45343), (245, 45211), (248, 45178), (251, 45145), (253, 45127), (261, 45073), (269, 45028), (274, 45001), (289, 44920), (290, 44902), (297, 44839),

Gene: DuchessDung_50 Start: 44230, Stop: 42827, Start Num: 72
Candidate Starts for DuchessDung_50:
(40, 44392), (Start: 72 @44230 has 35 MA's), (Start: 76 @44227 has 85 MA's), (82, 44179), (93, 44107), (99, 44086), (118, 43990), (131, 43939), (139, 43873), (140, 43870), (143, 43846), (145, 43819), (157, 43753), (161, 43741), (169, 43705), (183, 43660), (188, 43630), (195, 43591), (199, 43552), (203, 43519), (204, 43516), (208, 43492), (216, 43459), (219, 43438), (225, 43408), (247, 43252), (248, 43231), (251, 43198), (261, 43126), (263, 43120), (271, 43072), (280, 43027), (285, 43003), (288, 42988), (290, 42964),

Gene: Duggie_50 Start: 44957, Stop: 43557, Start Num: 76
Candidate Starts for Duggie_50:
(40, 45122), (Start: 72 @44960 has 35 MA's), (Start: 76 @44957 has 85 MA's), (82, 44909), (93, 44837), (99, 44816), (118, 44720), (131, 44669), (139, 44603), (140, 44600), (143, 44576), (145, 44549), (157, 44483), (161, 44471), (169, 44435), (183, 44390), (188, 44360), (195, 44321), (199, 44282), (203, 44249), (204, 44246), (206, 44240), (208, 44222), (216, 44189), (219, 44168), (225, 44138), (243, 44024), (247, 43982), (248, 43961), (251, 43928), (261, 43856), (263, 43850), (271,

43802), (280, 43757), (285, 43733), (288, 43718), (290, 43694),

Gene: Durga_52 Start: 45396, Stop: 43993, Start Num: 75
Candidate Starts for Durga_52:
(40, 45561), (Start: 75 @45396 has 243 MA's), (Start: 76 @45393 has 85 MA's), (Start: 77 @45387 has 2 MA's), (82, 45345), (93, 45273), (99, 45252), (118, 45156), (131, 45105), (139, 45039), (140, 45036), (145, 44985), (157, 44919), (161, 44907), (169, 44871), (183, 44826), (188, 44796), (195, 44757), (199, 44718), (203, 44685), (204, 44682), (206, 44676), (208, 44658), (216, 44625), (219, 44604), (225, 44574), (243, 44460), (247, 44418), (248, 44397), (251, 44364), (261, 44292), (263, 44286), (271, 44238), (280, 44193), (285, 44169), (288, 44154), (290, 44130),

Gene: Eaglehorse_50 Start: 44895, Stop: 43528, Start Num: 76
Candidate Starts for Eaglehorse_50:
(Start: 76 @44895 has 85 MA's), (83, 44832), (85, 44817), (109, 44706), (Start: 117 @44655 has 5 MA's), (130, 44607), (135, 44559), (154, 44418), (157, 44409), (175, 44364), (177, 44358), (178, 44352), (183, 44340), (199, 44235), (203, 44202), (208, 44175), (216, 44142), (221, 44115), (225, 44091), (229, 44064), (235, 44037), (244, 43962), (248, 43917), (251, 43884), (258, 43863), (260, 43857), (266, 43824), (267, 43815), (269, 43806), (296, 43644), (297, 43626), (302, 43569),

Gene: EastView9101_49 Start: 45797, Stop: 44415, Start Num: 73
Candidate Starts for EastView9101_49:
(23, 46022), (Start: 73 @45797 has 10 MA's), (Start: 79 @45779 has 2 MA's), (118, 45563), (126, 45533), (149, 45368), (157, 45326), (164, 45308), (167, 45293), (185, 45242), (204, 45104), (208, 45080), (218, 45029), (221, 45020), (225, 44996), (226, 44993), (245, 44861), (248, 44828), (251, 44795), (253, 44777), (261, 44723), (269, 44678), (274, 44651), (289, 44570), (290, 44552), (297, 44489),

Gene: ElvisPhasley_52 Start: 45418, Stop: 44015, Start Num: 75
Candidate Starts for ElvisPhasley_52:
(40, 45583), (Start: 75 @45418 has 243 MA's), (Start: 76 @45415 has 85 MA's), (Start: 77 @45409 has 2 MA's), (82, 45367), (93, 45295), (99, 45274), (118, 45178), (131, 45127), (139, 45061), (140, 45058), (145, 45007), (157, 44941), (161, 44929), (169, 44893), (183, 44848), (188, 44818), (195, 44779), (199, 44740), (203, 44707), (204, 44704), (208, 44680), (216, 44647), (219, 44626), (225, 44596), (243, 44482), (247, 44440), (248, 44419), (251, 44386), (261, 44314), (263, 44308), (271, 44260), (280, 44215), (285, 44191), (288, 44176), (290, 44152),

Gene: EmGer13_51 Start: 44814, Stop: 43411, Start Num: 72
Candidate Starts for EmGer13_51:
(Start: 72 @44814 has 35 MA's), (Start: 76 @44811 has 85 MA's), (Start: 77 @44805 has 2 MA's), (82, 44763), (93, 44691), (99, 44670), (118, 44574), (131, 44523), (139, 44457), (140, 44454), (145, 44403), (157, 44337), (161, 44325), (169, 44289), (183, 44244), (188, 44214), (195, 44175), (199, 44136), (203, 44103), (204, 44100), (208, 44076), (216, 44043), (219, 44022), (225, 43992), (243, 43878), (247, 43836), (248, 43815), (251, 43782), (261, 43710), (263, 43704), (280, 43611), (285, 43587), (288, 43572), (290, 43548),

Gene: EmiRose_30 Start: 23905, Stop: 22832, Start Num: 116
Candidate Starts for EmiRose_30:
(Start: 116 @23905 has 2 MA's), (Start: 117 @23899 has 5 MA's), (140, 23782), (153, 23677), (154, 23674), (201, 23506), (204, 23491), (207, 23476), (215, 23437), (224, 23395), (229, 23362), (233, 23359), (239, 23317), (245, 23257), (246, 23251), (251, 23191), (257, 23182), (268, 23119), (276, 23080),

Gene: Emiris_52 Start: 45364, Stop: 43961, Start Num: 75

Candidate Starts for Emiris_52:
(40, 45529), (Start: 75 @45364 has 243 MA's), (Start: 76 @45361 has 85 MA's), (Start: 77 @45355 has 2 MA's), (82, 45313), (93, 45241), (99, 45220), (118, 45124), (131, 45073), (139, 45007), (140, 45004), (145, 44953), (157, 44887), (161, 44875), (169, 44839), (183, 44794), (188, 44764), (195, 44725), (199, 44686), (203, 44653), (204, 44650), (206, 44644), (208, 44626), (216, 44593), (219, 44572), (225, 44542), (243, 44428), (247, 44386), (248, 44365), (251, 44332), (261, 44260), (263, 44254), (271, 44206), (280, 44161), (285, 44137), (288, 44122), (290, 44098),

Gene: EmpTee_51 Start: 45244, Stop: 43841, Start Num: 75
Candidate Starts for EmpTee_51:
(11, 45622), (12, 45577), (19, 45535), (28, 45454), (40, 45409), (Start: 75 @45244 has 243 MA's), (Start: 76 @45241 has 85 MA's), (Start: 77 @45235 has 2 MA's), (82, 45193), (93, 45121), (99, 45100), (118, 45004), (131, 44953), (139, 44887), (140, 44884), (145, 44833), (157, 44767), (161, 44755), (169, 44719), (183, 44674), (188, 44644), (195, 44605), (199, 44566), (203, 44533), (204, 44530), (208, 44506), (216, 44473), (219, 44452), (225, 44422), (243, 44308), (247, 44266), (248, 44245), (251, 44212), (261, 44140), (263, 44134), (271, 44086), (280, 44041), (285, 44017), (288, 44002), (290, 43978),

Gene: Epah_45 Start: 44672, Stop: 43332, Start Num: 75
Candidate Starts for Epah_45:
(Start: 72 @44675 has 35 MA's), (Start: 75 @44672 has 243 MA's), (Start: 77 @44663 has 2 MA's), (78, 44657), (84, 44606), (115, 44459), (131, 44393), (133, 44369), (157, 44207), (163, 44189), (165, 44174), (166, 44171), (173, 44144), (189, 44081), (191, 44072), (202, 43985), (207, 43961), (216, 43919), (217, 43916), (219, 43898), (225, 43868), (232, 43841), (237, 43808), (241, 43787), (242, 43778), (245, 43733), (246, 43727), (247, 43718), (248, 43697), (251, 43664), (263, 43625), (274, 43559), (275, 43556), (289, 43487), (290, 43469),

Gene: Eremos_51 Start: 45237, Stop: 43834, Start Num: 75
Candidate Starts for Eremos_51:
(40, 45402), (Start: 75 @45237 has 243 MA's), (Start: 76 @45234 has 85 MA's), (Start: 77 @45228 has 2 MA's), (82, 45186), (93, 45114), (99, 45093), (118, 44997), (131, 44946), (139, 44880), (140, 44877), (145, 44826), (157, 44760), (161, 44748), (169, 44712), (183, 44667), (188, 44637), (195, 44598), (199, 44559), (203, 44526), (204, 44523), (208, 44499), (216, 44466), (219, 44445), (225, 44415), (243, 44301), (247, 44259), (248, 44238), (251, 44205), (261, 44133), (263, 44127), (271, 44079), (280, 44034), (285, 44010), (288, 43995), (290, 43971),

Gene: Etaye_51 Start: 45231, Stop: 43828, Start Num: 75
Candidate Starts for Etaye_51:
(40, 45396), (Start: 75 @45231 has 243 MA's), (Start: 76 @45228 has 85 MA's), (Start: 77 @45222 has 2 MA's), (82, 45180), (93, 45108), (99, 45087), (118, 44991), (131, 44940), (139, 44874), (140, 44871), (145, 44820), (157, 44754), (161, 44742), (169, 44706), (183, 44661), (188, 44631), (195, 44592), (199, 44553), (203, 44520), (204, 44517), (206, 44511), (208, 44493), (216, 44460), (219, 44439), (225, 44409), (243, 44295), (247, 44253), (248, 44232), (251, 44199), (261, 44127), (263, 44121), (271, 44073), (280, 44028), (285, 44004), (288, 43989), (290, 43965),

Gene: Eugenia_51 Start: 45241, Stop: 43838, Start Num: 75
Candidate Starts for Eugenia_51:
(40, 45406), (Start: 75 @45241 has 243 MA's), (Start: 76 @45238 has 85 MA's), (Start: 77 @45232 has 2 MA's), (82, 45190), (93, 45118), (99, 45097), (118, 45001), (131, 44950), (139, 44884), (140, 44881), (143, 44857), (145, 44830), (157, 44764), (161, 44752), (169, 44716), (183, 44671), (188, 44641), (195, 44602), (199, 44563), (203, 44530), (204, 44527), (208, 44503), (216, 44470), (219, 44449), (225, 44419), (243, 44305), (247, 44263), (248, 44242), (251, 44209), (261, 44137), (263, 44131), (271, 44083), (280, 44038), (285, 44014), (288, 43999), (290, 43975),

Gene: Evaa_44 Start: 38752, Stop: 37496, Start Num: 43
Candidate Starts for Evaa_44:
(Start: 43 @38752 has 1 MA's), (54, 38713), (Start: 117 @38626 has 5 MA's), (121, 38620), (131, 38569), (134, 38536), (136, 38530), (159, 38383), (203, 38167), (212, 38122), (225, 38056), (228, 38029), (237, 37996), (248, 37888), (251, 37855), (263, 37816), (268, 37783), (269, 37777), (274, 37750), (281, 37714), (290, 37657), (296, 37612),

Gene: Fanaw_45 Start: 45368, Stop: 44028, Start Num: 75
Candidate Starts for Fanaw_45:
(Start: 72 @45371 has 35 MA's), (Start: 75 @45368 has 243 MA's), (Start: 77 @45359 has 2 MA's), (78, 45353), (84, 45302), (115, 45155), (126, 45110), (131, 45089), (148, 44948), (151, 44924), (157, 44903), (158, 44900), (163, 44885), (165, 44870), (187, 44801), (188, 44786), (191, 44768), (196, 44744), (204, 44672), (207, 44657), (208, 44648), (216, 44615), (217, 44612), (219, 44594), (225, 44564), (237, 44504), (240, 44486), (242, 44474), (245, 44429), (246, 44423), (247, 44414), (250, 44384), (251, 44360), (263, 44321), (270, 44276), (274, 44255), (275, 44252), (289, 44183), (290, 44165),

Gene: Fang_52 Start: 45389, Stop: 43986, Start Num: 75
Candidate Starts for Fang_52:
(11, 45767), (12, 45722), (19, 45680), (28, 45599), (40, 45554), (Start: 75 @45389 has 243 MA's), (Start: 76 @45386 has 85 MA's), (Start: 77 @45380 has 2 MA's), (82, 45338), (93, 45266), (99, 45245), (118, 45149), (131, 45098), (139, 45032), (140, 45029), (143, 45005), (145, 44978), (157, 44912), (161, 44900), (169, 44864), (183, 44819), (188, 44789), (195, 44750), (199, 44711), (203, 44678), (204, 44675), (208, 44651), (216, 44618), (219, 44597), (225, 44567), (243, 44453), (247, 44411), (248, 44390), (251, 44357), (261, 44285), (263, 44279), (271, 44231), (280, 44186), (285, 44162), (288, 44147), (290, 44123),

Gene: Faze9_49 Start: 44989, Stop: 43622, Start Num: 76
Candidate Starts for Faze9_49:
(Start: 76 @44989 has 85 MA's), (83, 44926), (85, 44911), (109, 44800), (Start: 117 @44749 has 5 MA's), (130, 44701), (135, 44653), (154, 44512), (157, 44503), (175, 44458), (177, 44452), (178, 44446), (183, 44434), (199, 44329), (203, 44296), (208, 44269), (216, 44236), (221, 44209), (225, 44185), (229, 44158), (235, 44131), (244, 44056), (248, 44011), (251, 43978), (258, 43957), (260, 43951), (266, 43918), (267, 43909), (269, 43900), (296, 43738), (297, 43720), (302, 43663),

Gene: FelixTres_47 Start: 40314, Stop: 38923, Start Num: 21
Candidate Starts for FelixTres_47:
(3, 40653), (4, 40629), (6, 40587), (7, 40518), (9, 40473), (Start: 21 @40314 has 7 MA's), (26, 40287), (Start: 41 @40236 has 6 MA's), (80, 40092), (121, 40086), (129, 40053), (131, 40035), (132, 40023), (134, 40002), (136, 39996), (146, 39906), (160, 39846), (179, 39777), (193, 39714), (201, 39642), (203, 39630), (207, 39612), (208, 39603), (216, 39570), (225, 39519), (233, 39489), (236, 39462), (237, 39459), (248, 39351), (252, 39309), (256, 39276), (260, 39231), (263, 39219), (268, 39186), (269, 39180), (274, 39153),

Gene: Flake_51 Start: 45296, Stop: 43893, Start Num: 72
Candidate Starts for Flake_51:
(40, 45458), (Start: 72 @45296 has 35 MA's), (Start: 76 @45293 has 85 MA's), (82, 45245), (93, 45173), (99, 45152), (118, 45056), (131, 45005), (139, 44939), (140, 44936), (143, 44912), (145, 44885), (157, 44819), (161, 44807), (169, 44771), (183, 44726), (188, 44696), (195, 44657), (199, 44618), (203, 44585), (204, 44582), (208, 44558), (216, 44525), (219, 44504), (225, 44474), (243, 44360), (247, 44318), (248, 44297), (251, 44264), (261, 44192), (263, 44186), (271, 44138), (280, 44093), (285, 44069), (288, 44054), (290, 44030),

Gene: FleetyMac_51 Start: 45249, Stop: 43846, Start Num: 72
Candidate Starts for FleetyMac_51:
(40, 45411), (Start: 72 @45249 has 35 MA's), (Start: 76 @45246 has 85 MA's), (82, 45198), (93, 45126), (99, 45105), (118, 45009), (131, 44958), (139, 44892), (140, 44889), (143, 44865), (145, 44838), (157, 44772), (161, 44760), (169, 44724), (183, 44679), (188, 44649), (195, 44610), (199, 44571), (203, 44538), (204, 44535), (208, 44511), (216, 44478), (219, 44457), (225, 44427), (243, 44313), (247, 44271), (248, 44250), (251, 44217), (261, 44145), (263, 44139), (271, 44091), (280, 44046), (285, 44022), (288, 44007), (290, 43983),

Gene: FluffyNinja_52 Start: 45403, Stop: 44000, Start Num: 75
Candidate Starts for FluffyNinja_52:
(11, 45781), (12, 45736), (19, 45694), (28, 45613), (40, 45568), (Start: 75 @45403 has 243 MA's), (Start: 76 @45400 has 85 MA's), (Start: 77 @45394 has 2 MA's), (82, 45352), (93, 45280), (99, 45259), (118, 45163), (131, 45112), (139, 45046), (140, 45043), (145, 44992), (157, 44926), (161, 44914), (169, 44878), (183, 44833), (188, 44803), (195, 44764), (199, 44725), (203, 44692), (204, 44689), (208, 44665), (216, 44632), (219, 44611), (225, 44581), (243, 44467), (247, 44425), (248, 44404), (251, 44371), (261, 44299), (263, 44293), (271, 44245), (280, 44200), (285, 44176), (288, 44161), (290, 44137),

Gene: ForDig_44 Start: 43545, Stop: 42115, Start Num: 70
Candidate Starts for ForDig_44:
(48, 43635), (52, 43611), (62, 43575), (Start: 70 @43545 has 3 MA's), (Start: 77 @43527 has 2 MA's), (105, 43323), (110, 43305), (115, 43251), (122, 43224), (130, 43188), (131, 43176), (155, 42996), (157, 42990), (163, 42972), (165, 42957), (187, 42891), (191, 42858), (193, 42849), (195, 42837), (196, 42834), (204, 42762), (206, 42756), (207, 42747), (208, 42738), (209, 42735), (220, 42681), (222, 42666), (232, 42627), (236, 42597), (247, 42504), (248, 42483), (251, 42450), (263, 42411), (270, 42366), (273, 42348), (275, 42342), (284, 42297),

Gene: Fortunato_47 Start: 45732, Stop: 44389, Start Num: 72
Candidate Starts for Fortunato_47:
(Start: 72 @45732 has 35 MA's), (Start: 75 @45729 has 243 MA's), (Start: 77 @45720 has 2 MA's), (78, 45714), (84, 45663), (115, 45516), (126, 45471), (131, 45450), (148, 45309), (151, 45285), (157, 45264), (158, 45261), (163, 45246), (165, 45231), (187, 45162), (188, 45147), (196, 45105), (204, 45033), (207, 45018), (208, 45009), (216, 44976), (217, 44973), (219, 44955), (225, 44925), (237, 44865), (240, 44847), (242, 44835), (245, 44790), (246, 44784), (247, 44775), (250, 44745), (251, 44721), (263, 44682), (270, 44637), (274, 44616), (275, 44613), (289, 44544), (290, 44526),

Gene: Fozzie_50 Start: 45266, Stop: 43863, Start Num: 75
Candidate Starts for Fozzie_50:
(11, 45644), (12, 45599), (19, 45557), (28, 45476), (40, 45431), (Start: 75 @45266 has 243 MA's), (Start: 76 @45263 has 85 MA's), (Start: 77 @45257 has 2 MA's), (82, 45215), (93, 45143), (99, 45122), (118, 45026), (131, 44975), (139, 44909), (140, 44906), (145, 44855), (157, 44789), (161, 44777), (169, 44741), (183, 44696), (188, 44666), (195, 44627), (199, 44588), (203, 44555), (204, 44552), (208, 44528), (216, 44495), (219, 44474), (225, 44444), (243, 44330), (247, 44288), (248, 44267), (251, 44234), (261, 44162), (263, 44156), (271, 44108), (280, 44063), (285, 44039), (288, 44024), (290, 44000),

Gene: Frankicide_51 Start: 45268, Stop: 43865, Start Num: 75
Candidate Starts for Frankicide_51:
(40, 45433), (Start: 75 @45268 has 243 MA's), (Start: 76 @45265 has 85 MA's), (Start: 77 @45259 has 2 MA's), (82, 45217), (93, 45145), (99, 45124), (118, 45028), (131, 44977), (139, 44911), (140, 44908), (143, 44884), (145, 44857), (157, 44791), (161, 44779), (169, 44743), (183, 44698), (188,

44668), (195, 44629), (199, 44590), (203, 44557), (204, 44554), (208, 44530), (216, 44497), (219, 44476), (225, 44446), (243, 44332), (247, 44290), (248, 44269), (251, 44236), (261, 44164), (263, 44158), (271, 44110), (280, 44065), (285, 44041), (288, 44026), (290, 44002),

Gene: Frederick_47 Start: 45702, Stop: 44362, Start Num: 75
Candidate Starts for Frederick_47:
(Start: 72 @45705 has 35 MA's), (Start: 75 @45702 has 243 MA's), (Start: 77 @45693 has 2 MA's), (78, 45687), (84, 45636), (115, 45489), (126, 45444), (131, 45423), (148, 45282), (151, 45258), (157, 45237), (158, 45234), (163, 45219), (165, 45204), (187, 45135), (196, 45078), (207, 44991), (208, 44982), (216, 44949), (217, 44946), (219, 44928), (225, 44898), (237, 44838), (240, 44820), (242, 44808), (245, 44763), (246, 44757), (247, 44748), (248, 44727), (250, 44718), (251, 44694), (263, 44655), (274, 44589), (275, 44586), (288, 44523), (289, 44517), (290, 44499),

Gene: FremontTroll_50 Start: 45001, Stop: 43601, Start Num: 76
Candidate Starts for FremontTroll_50:
(40, 45169), (Start: 75 @45004 has 243 MA's), (Start: 76 @45001 has 85 MA's), (Start: 77 @44995 has 2 MA's), (82, 44953), (93, 44881), (99, 44860), (118, 44764), (131, 44713), (139, 44647), (140, 44644), (145, 44593), (157, 44527), (161, 44515), (169, 44479), (183, 44434), (188, 44404), (195, 44365), (199, 44326), (203, 44293), (204, 44290), (208, 44266), (216, 44233), (219, 44212), (225, 44182), (243, 44068), (247, 44026), (248, 44005), (251, 43972), (261, 43900), (263, 43894), (271, 43846), (280, 43801), (285, 43777), (288, 43762), (290, 43738),

Gene: FrenchFry_50 Start: 44968, Stop: 43601, Start Num: 76
Candidate Starts for FrenchFry_50:
(Start: 76 @44968 has 85 MA's), (83, 44905), (85, 44890), (109, 44779), (Start: 117 @44728 has 5 MA's), (130, 44680), (135, 44632), (154, 44491), (157, 44482), (175, 44437), (177, 44431), (178, 44425), (183, 44413), (199, 44308), (203, 44275), (207, 44257), (208, 44248), (216, 44215), (221, 44188), (225, 44164), (229, 44137), (235, 44110), (244, 44035), (248, 43990), (251, 43957), (258, 43936), (260, 43930), (266, 43897), (269, 43879), (296, 43717), (297, 43699), (302, 43642),

Gene: Fresco_44 Start: 37982, Stop: 36669, Start Num: 38
Candidate Starts for Fresco_44:
(Start: 37 @37985 has 1 MA's), (Start: 38 @37982 has 3 MA's), (Start: 117 @37823 has 5 MA's), (121, 37817), (131, 37766), (180, 37511), (186, 37490), (194, 37445), (196, 37433), (216, 37304), (221, 37277), (225, 37253), (233, 37223), (234, 37205), (237, 37193), (242, 37163), (244, 37130), (248, 37085), (251, 37052), (258, 37019), (260, 36992), (268, 36947), (269, 36941), (274, 36914), (275, 36911), (285, 36863), (302, 36701),

Gene: Freya_50 Start: 44929, Stop: 43526, Start Num: 75
Candidate Starts for Freya_50:
(40, 45094), (Start: 75 @44929 has 243 MA's), (Start: 76 @44926 has 85 MA's), (Start: 77 @44920 has 2 MA's), (82, 44878), (93, 44806), (99, 44785), (118, 44689), (131, 44638), (139, 44572), (140, 44569), (145, 44518), (157, 44452), (161, 44440), (169, 44404), (183, 44359), (188, 44329), (195, 44290), (199, 44251), (203, 44218), (204, 44215), (208, 44191), (216, 44158), (219, 44137), (225, 44107), (243, 43993), (247, 43951), (248, 43930), (251, 43897), (261, 43825), (263, 43819), (271, 43771), (280, 43726), (285, 43702), (288, 43687), (290, 43663),

Gene: FriarPreacher_50 Start: 45280, Stop: 43877, Start Num: 75
Candidate Starts for FriarPreacher_50:
(11, 45658), (12, 45613), (19, 45571), (28, 45490), (40, 45445), (Start: 75 @45280 has 243 MA's), (Start: 76 @45277 has 85 MA's), (Start: 77 @45271 has 2 MA's), (82, 45229), (93, 45157), (99, 45136), (118, 45040), (131, 44989), (139, 44923), (140, 44920), (145, 44869), (157, 44803), (161, 44791), (169, 44755), (183, 44710), (188, 44680), (195, 44641), (199, 44602), (203, 44569), (204,

44566), (208, 44542), (216, 44509), (219, 44488), (225, 44458), (243, 44344), (247, 44302), (248, 44281), (251, 44248), (261, 44176), (263, 44170), (271, 44122), (280, 44077), (285, 44053), (288, 44038), (290, 44014),

Gene: Fringe_52 Start: 45365, Stop: 43962, Start Num: 75
Candidate Starts for Fringe_52:
(11, 45743), (12, 45698), (19, 45656), (28, 45575), (40, 45530), (Start: 75 @45365 has 243 MA's), (Start: 76 @45362 has 85 MA's), (Start: 77 @45356 has 2 MA's), (82, 45314), (93, 45242), (99, 45221), (118, 45125), (131, 45074), (139, 45008), (140, 45005), (145, 44954), (157, 44888), (161, 44876), (169, 44840), (183, 44795), (188, 44765), (195, 44726), (199, 44687), (203, 44654), (204, 44651), (208, 44627), (216, 44594), (219, 44573), (225, 44543), (243, 44429), (247, 44387), (248, 44366), (251, 44333), (261, 44261), (263, 44255), (271, 44207), (280, 44162), (285, 44138), (288, 44123), (290, 44099),

Gene: FugateOSU_50 Start: 44943, Stop: 43540, Start Num: 75
Candidate Starts for FugateOSU_50:
(40, 45108), (Start: 75 @44943 has 243 MA's), (Start: 76 @44940 has 85 MA's), (Start: 77 @44934 has 2 MA's), (82, 44892), (93, 44820), (99, 44799), (118, 44703), (131, 44652), (139, 44586), (140, 44583), (143, 44559), (145, 44532), (157, 44466), (161, 44454), (169, 44418), (183, 44373), (188, 44343), (195, 44304), (199, 44265), (203, 44232), (204, 44229), (208, 44205), (216, 44172), (219, 44151), (225, 44121), (243, 44007), (247, 43965), (248, 43944), (251, 43911), (261, 43839), (263, 43833), (271, 43785), (280, 43740), (285, 43716), (288, 43701), (290, 43677),

Gene: Funsized_54 Start: 48470, Stop: 47079, Start Num: 69
Candidate Starts for Funsized_54:
(Start: 69 @48470 has 2 MA's), (Start: 77 @48449 has 2 MA's), (106, 48281), (107, 48278), (108, 48272), (118, 48197), (134, 48113), (137, 48104), (146, 48017), (157, 47960), (163, 47942), (170, 47915), (191, 47834), (193, 47825), (196, 47810), (202, 47747), (204, 47738), (206, 47732), (207, 47723), (209, 47711), (217, 47678), (222, 47642), (225, 47630), (231, 47600), (232, 47594), (234, 47573), (240, 47543), (242, 47531), (245, 47486), (248, 47450), (251, 47417), (261, 47384), (263, 47378), (274, 47312), (278, 47294), (285, 47261), (288, 47246), (299, 47138), (302, 47102),

Gene: Gadjet_50 Start: 44888, Stop: 43275, Start Num: 30
Candidate Starts for Gadjet_50:
(13, 44993), (Start: 30 @44888 has 1 MA's), (56, 44789), (64, 44732), (74, 44711), (89, 44588), (91, 44576), (96, 44552), (100, 44537), (Start: 117 @44420 has 5 MA's), (123, 44405), (125, 44393), (131, 44363), (137, 44321), (145, 44243), (156, 44177), (157, 44174), (174, 44111), (180, 44078), (183, 44069), (198, 43976), (204, 43928), (205, 43925), (207, 43913), (208, 43904), (221, 43844), (225, 43820), (242, 43730), (251, 43619), (261, 43586), (262, 43583), (264, 43568), (268, 43547), (274, 43514),

Gene: Gareth_50 Start: 44937, Stop: 43534, Start Num: 75
Candidate Starts for Gareth_50:
(11, 45315), (12, 45270), (19, 45228), (28, 45147), (40, 45102), (Start: 75 @44937 has 243 MA's), (Start: 76 @44934 has 85 MA's), (Start: 77 @44928 has 2 MA's), (82, 44886), (93, 44814), (99, 44793), (118, 44697), (131, 44646), (139, 44580), (140, 44577), (145, 44526), (157, 44460), (161, 44448), (169, 44412), (183, 44367), (188, 44337), (195, 44298), (199, 44259), (203, 44226), (204, 44223), (208, 44199), (216, 44166), (219, 44145), (225, 44115), (243, 44001), (247, 43959), (248, 43938), (251, 43905), (261, 43833), (263, 43827), (271, 43779), (280, 43734), (285, 43710), (288, 43695), (290, 43671),

Gene: GeneCoco_51 Start: 45252, Stop: 43849, Start Num: 75
Candidate Starts for GeneCoco_51:

(11, 45630), (12, 45585), (19, 45543), (28, 45462), (40, 45417), (Start: 75 @45252 has 243 MA's), (Start: 76 @45249 has 85 MA's), (Start: 77 @45243 has 2 MA's), (82, 45201), (93, 45129), (99, 45108), (118, 45012), (131, 44961), (139, 44895), (140, 44892), (145, 44841), (157, 44775), (161, 44763), (169, 44727), (183, 44682), (188, 44652), (195, 44613), (199, 44574), (203, 44541), (204, 44538), (206, 44532), (208, 44514), (216, 44481), (219, 44460), (225, 44430), (243, 44316), (247, 44274), (248, 44253), (251, 44220), (261, 44148), (263, 44142), (271, 44094), (280, 44049), (285, 44025), (288, 44010), (290, 43986),

Gene: Gervas_49 Start: 44856, Stop: 43243, Start Num: 35
Candidate Starts for Gervas_49:
(14, 44982), (15, 44976), (17, 44961), (Start: 33 @44865 has 9 MA's), (Start: 35 @44856 has 43 MA's), (56, 44760), (74, 44682), (91, 44547), (Start: 117 @44388 has 5 MA's), (123, 44373), (125, 44361), (131, 44331), (137, 44289), (145, 44211), (174, 44079), (180, 44046), (183, 44037), (198, 43944), (204, 43896), (207, 43881), (208, 43872), (216, 43839), (221, 43812), (225, 43788), (242, 43698), (251, 43587), (261, 43554), (264, 43536), (268, 43515), (274, 43482),

Gene: GinPorsche_46 Start: 44672, Stop: 43332, Start Num: 75
Candidate Starts for GinPorsche_46:
(Start: 72 @44675 has 35 MA's), (Start: 75 @44672 has 243 MA's), (Start: 77 @44663 has 2 MA's), (78, 44657), (84, 44606), (115, 44459), (131, 44393), (133, 44369), (157, 44207), (163, 44189), (165, 44174), (166, 44171), (173, 44144), (189, 44081), (191, 44072), (202, 43985), (207, 43961), (216, 43919), (217, 43916), (219, 43898), (225, 43868), (232, 43841), (237, 43808), (241, 43787), (242, 43778), (245, 43733), (246, 43727), (247, 43718), (248, 43697), (251, 43664), (263, 43625), (274, 43559), (275, 43556), (289, 43487), (290, 43469),

Gene: Giraffe_51 Start: 44961, Stop: 43558, Start Num: 75
Candidate Starts for Giraffe_51:
(40, 45126), (Start: 75 @44961 has 243 MA's), (Start: 76 @44958 has 85 MA's), (Start: 77 @44952 has 2 MA's), (82, 44910), (93, 44838), (99, 44817), (118, 44721), (131, 44670), (139, 44604), (140, 44601), (145, 44550), (157, 44484), (161, 44472), (169, 44436), (183, 44391), (188, 44361), (195, 44322), (199, 44283), (203, 44250), (204, 44247), (208, 44223), (216, 44190), (219, 44169), (225, 44139), (243, 44025), (247, 43983), (248, 43962), (251, 43929), (261, 43857), (263, 43851), (271, 43803), (280, 43758), (285, 43734), (288, 43719), (290, 43695),

Gene: Glass_50 Start: 44973, Stop: 43606, Start Num: 76
Candidate Starts for Glass_50:
(Start: 76 @44973 has 85 MA's), (83, 44910), (85, 44895), (109, 44784), (Start: 117 @44733 has 5 MA's), (130, 44685), (135, 44637), (154, 44496), (157, 44487), (175, 44442), (177, 44436), (178, 44430), (183, 44418), (199, 44313), (203, 44280), (207, 44262), (208, 44253), (216, 44220), (221, 44193), (225, 44169), (229, 44142), (235, 44115), (244, 44040), (248, 43995), (251, 43962), (258, 43941), (260, 43935), (266, 43902), (269, 43884), (296, 43722), (297, 43704), (302, 43647),

Gene: GlenHope_50 Start: 44877, Stop: 43255, Start Num: 33
Candidate Starts for GlenHope_50:
(14, 44994), (15, 44988), (17, 44973), (Start: 33 @44877 has 9 MA's), (Start: 35 @44868 has 43 MA's), (56, 44772), (74, 44694), (91, 44559), (Start: 117 @44400 has 5 MA's), (123, 44385), (125, 44373), (131, 44343), (137, 44301), (145, 44223), (174, 44091), (180, 44058), (183, 44049), (198, 43956), (204, 43908), (207, 43893), (208, 43884), (216, 43851), (221, 43824), (225, 43800), (242, 43710), (251, 43599), (261, 43566), (262, 43563), (264, 43548), (268, 43527), (274, 43494),

Gene: Glubnar_50 Start: 44868, Stop: 43255, Start Num: 35
Candidate Starts for Glubnar_50:

(14, 44994), (15, 44988), (17, 44973), (Start: 33 @44877 has 9 MA's), (Start: 35 @44868 has 43 MA's), (56, 44772), (74, 44694), (91, 44559), (Start: 117 @44400 has 5 MA's), (123, 44385), (125, 44373), (131, 44343), (137, 44301), (145, 44223), (174, 44091), (180, 44058), (183, 44049), (198, 43956), (204, 43908), (207, 43893), (208, 43884), (216, 43851), (221, 43824), (225, 43800), (242, 43710), (251, 43599), (261, 43566), (264, 43548), (268, 43527), (274, 43494),

Gene: Godines_50 Start: 44925, Stop: 43558, Start Num: 76
Candidate Starts for Godines_50:
(Start: 76 @44925 has 85 MA's), (83, 44862), (85, 44847), (109, 44736), (Start: 117 @44685 has 5 MA's), (130, 44637), (135, 44589), (152, 44454), (154, 44448), (157, 44439), (175, 44394), (177, 44388), (178, 44382), (183, 44370), (199, 44265), (203, 44232), (207, 44214), (208, 44205), (216, 44172), (221, 44145), (225, 44121), (229, 44094), (235, 44067), (244, 43992), (248, 43947), (251, 43914), (258, 43893), (260, 43887), (266, 43854), (269, 43836), (296, 43674), (297, 43656), (302, 43599),

Gene: Gophee_51 Start: 45235, Stop: 43832, Start Num: 75
Candidate Starts for Gophee_51:
(40, 45400), (Start: 75 @45235 has 243 MA's), (Start: 76 @45232 has 85 MA's), (Start: 77 @45226 has 2 MA's), (82, 45184), (93, 45112), (99, 45091), (118, 44995), (131, 44944), (139, 44878), (140, 44875), (145, 44824), (157, 44758), (161, 44746), (169, 44710), (183, 44665), (188, 44635), (195, 44596), (199, 44557), (203, 44524), (204, 44521), (206, 44515), (208, 44497), (216, 44464), (219, 44443), (225, 44413), (243, 44299), (247, 44257), (248, 44236), (251, 44203), (261, 44131), (263, 44125), (271, 44077), (280, 44032), (285, 44008), (288, 43993), (290, 43969),

Gene: Grand2040_50 Start: 44955, Stop: 43552, Start Num: 75
Candidate Starts for Grand2040_50:
(11, 45333), (12, 45288), (19, 45246), (28, 45165), (40, 45120), (Start: 75 @44955 has 243 MA's), (Start: 76 @44952 has 85 MA's), (Start: 77 @44946 has 2 MA's), (82, 44904), (93, 44832), (99, 44811), (118, 44715), (131, 44664), (139, 44598), (140, 44595), (145, 44544), (157, 44478), (161, 44466), (169, 44430), (183, 44385), (188, 44355), (195, 44316), (199, 44277), (203, 44244), (204, 44241), (208, 44217), (216, 44184), (219, 44163), (225, 44133), (243, 44019), (247, 43977), (248, 43956), (251, 43923), (261, 43851), (263, 43845), (271, 43797), (280, 43752), (285, 43728), (288, 43713), (290, 43689),

Gene: GreenChile_52 Start: 45000, Stop: 43837, Start Num: 118
Candidate Starts for GreenChile_52:
(118, 45000), (131, 44949), (139, 44883), (140, 44880), (143, 44856), (145, 44829), (157, 44763), (161, 44751), (169, 44715), (183, 44670), (188, 44640), (195, 44601), (199, 44562), (203, 44529), (204, 44526), (208, 44502), (216, 44469), (219, 44448), (225, 44418), (243, 44304), (247, 44262), (248, 44241), (251, 44208), (261, 44136), (263, 44130), (271, 44082), (280, 44037), (285, 44013), (288, 43998), (290, 43974),

Gene: Gustav_32 Start: 25299, Stop: 24172, Start Num: 116
Candidate Starts for Gustav_32:
(25, 25836), (27, 25827), (47, 25743), (66, 25629), (104, 25392), (Start: 116 @25299 has 2 MA's), (141, 25158), (151, 25065), (153, 25056), (201, 24885), (211, 24831), (213, 24825), (224, 24759), (233, 24723), (249, 24585), (251, 24555), (260, 24528), (268, 24480), (272, 24453), (274, 24447), (280, 24420), (287, 24387), (306, 24207),

Gene: Gwennie1_51 Start: 45301, Stop: 43898, Start Num: 75
Candidate Starts for Gwennie1_51:
(40, 45466), (Start: 75 @45301 has 243 MA's), (Start: 76 @45298 has 85 MA's), (Start: 77 @45292 has 2 MA's), (82, 45250), (93, 45178), (99, 45157), (118, 45061), (131, 45010), (139, 44944), (140,

44941), (145, 44890), (157, 44824), (161, 44812), (169, 44776), (183, 44731), (188, 44701), (195, 44662), (199, 44623), (203, 44590), (204, 44587), (206, 44581), (208, 44563), (216, 44530), (219, 44509), (225, 44479), (243, 44365), (247, 44323), (248, 44302), (251, 44269), (261, 44197), (263, 44191), (271, 44143), (280, 44098), (285, 44074), (288, 44059), (290, 44035),

Gene: Gwilliam_51 Start: 45238, Stop: 43838, Start Num: 76
Candidate Starts for Gwilliam_51:
(40, 45406), (Start: 75 @45241 has 243 MA's), (Start: 76 @45238 has 85 MA's), (Start: 77 @45232 has 2 MA's), (82, 45190), (93, 45118), (99, 45097), (118, 45001), (131, 44950), (139, 44884), (140, 44881), (143, 44857), (145, 44830), (157, 44764), (161, 44752), (169, 44716), (183, 44671), (188, 44641), (195, 44602), (199, 44563), (203, 44530), (204, 44527), (208, 44503), (216, 44470), (219, 44449), (225, 44419), (243, 44305), (247, 44263), (248, 44242), (251, 44209), (261, 44137), (263, 44131), (271, 44083), (280, 44038), (285, 44014), (288, 43999), (290, 43975),

Gene: Gyarad_0051 Start: 45255, Stop: 43852, Start Num: 75
Candidate Starts for Gyarad_0051:
(11, 45633), (12, 45588), (19, 45546), (28, 45465), (40, 45420), (Start: 75 @45255 has 243 MA's), (Start: 76 @45252 has 85 MA's), (Start: 77 @45246 has 2 MA's), (82, 45204), (93, 45132), (99, 45111), (118, 45015), (131, 44964), (139, 44898), (140, 44895), (143, 44871), (145, 44844), (157, 44778), (161, 44766), (169, 44730), (183, 44685), (188, 44655), (195, 44616), (199, 44577), (203, 44544), (204, 44541), (208, 44517), (216, 44484), (219, 44463), (225, 44433), (243, 44319), (247, 44277), (248, 44256), (251, 44223), (261, 44151), (263, 44145), (271, 44097), (280, 44052), (285, 44028), (288, 44013), (290, 43989),

Gene: HSavage_51 Start: 45247, Stop: 43844, Start Num: 75
Candidate Starts for HSavage_51:
(40, 45412), (Start: 75 @45247 has 243 MA's), (Start: 76 @45244 has 85 MA's), (Start: 77 @45238 has 2 MA's), (82, 45196), (93, 45124), (99, 45103), (118, 45007), (131, 44956), (139, 44890), (140, 44887), (145, 44836), (157, 44770), (161, 44758), (169, 44722), (183, 44677), (188, 44647), (195, 44608), (199, 44569), (203, 44536), (204, 44533), (208, 44509), (216, 44476), (219, 44455), (225, 44425), (243, 44311), (247, 44269), (248, 44248), (251, 44215), (261, 44143), (263, 44137), (271, 44089), (280, 44044), (285, 44020), (288, 44005), (290, 43981),

Gene: Haimas_51 Start: 45241, Stop: 43838, Start Num: 75
Candidate Starts for Haimas_51:
(40, 45406), (Start: 75 @45241 has 243 MA's), (Start: 76 @45238 has 85 MA's), (Start: 77 @45232 has 2 MA's), (82, 45190), (93, 45118), (99, 45097), (118, 45001), (131, 44950), (139, 44884), (140, 44881), (145, 44830), (157, 44764), (161, 44752), (169, 44716), (183, 44671), (188, 44641), (195, 44602), (199, 44563), (203, 44530), (204, 44527), (208, 44503), (216, 44470), (219, 44449), (225, 44419), (243, 44305), (247, 44263), (248, 44242), (251, 44209), (261, 44137), (263, 44131), (271, 44083), (280, 44038), (285, 44014), (288, 43999), (290, 43975),

Gene: Haleema_50 Start: 44955, Stop: 43552, Start Num: 75
Candidate Starts for Haleema_50:
(11, 45333), (12, 45288), (19, 45246), (28, 45165), (40, 45120), (Start: 75 @44955 has 243 MA's), (Start: 76 @44952 has 85 MA's), (Start: 77 @44946 has 2 MA's), (82, 44904), (93, 44832), (99, 44811), (118, 44715), (131, 44664), (139, 44598), (140, 44595), (145, 44544), (157, 44478), (161, 44466), (169, 44430), (183, 44385), (188, 44355), (195, 44316), (199, 44277), (203, 44244), (204, 44241), (208, 44217), (216, 44184), (219, 44163), (225, 44133), (243, 44019), (247, 43977), (248, 43956), (251, 43923), (261, 43851), (263, 43845), (271, 43797), (280, 43752), (285, 43728), (288, 43713), (290, 43689),

Gene: Halfpint_48 Start: 44693, Stop: 43080, Start Num: 35

Candidate Starts for Halfpint_48:
(14, 44819), (15, 44813), (17, 44798), (Start: 33 @44702 has 9 MA's), (Start: 35 @44693 has 43 MA's), (56, 44597), (74, 44519), (91, 44384), (Start: 117 @44225 has 5 MA's), (123, 44210), (125, 44198), (131, 44168), (137, 44126), (145, 44048), (174, 43916), (180, 43883), (183, 43874), (198, 43781), (204, 43733), (207, 43718), (208, 43709), (216, 43676), (221, 43649), (225, 43625), (242, 43535), (251, 43424), (261, 43391), (262, 43388), (264, 43373), (268, 43352), (274, 43319),

Gene: Hally898_45 Start: 44684, Stop: 43344, Start Num: 75
Candidate Starts for Hally898_45:
(Start: 72 @44687 has 35 MA's), (Start: 75 @44684 has 243 MA's), (Start: 77 @44675 has 2 MA's), (78, 44669), (84, 44618), (115, 44471), (131, 44405), (133, 44381), (157, 44219), (163, 44201), (165, 44186), (166, 44183), (173, 44156), (189, 44093), (191, 44084), (202, 43997), (207, 43973), (216, 43931), (217, 43928), (219, 43910), (225, 43880), (232, 43853), (237, 43820), (241, 43799), (242, 43790), (245, 43745), (246, 43739), (247, 43730), (248, 43709), (251, 43676), (263, 43637), (274, 43571), (275, 43568), (289, 43499), (290, 43481),

Gene: Hamish_51 Start: 45234, Stop: 43831, Start Num: 75
Candidate Starts for Hamish_51:
(40, 45399), (Start: 75 @45234 has 243 MA's), (Start: 76 @45231 has 85 MA's), (Start: 77 @45225 has 2 MA's), (82, 45183), (93, 45111), (99, 45090), (118, 44994), (131, 44943), (139, 44877), (140, 44874), (145, 44823), (157, 44757), (161, 44745), (169, 44709), (183, 44664), (188, 44634), (195, 44595), (199, 44556), (203, 44523), (204, 44520), (208, 44496), (216, 44463), (219, 44442), (225, 44412), (243, 44298), (247, 44256), (248, 44235), (251, 44202), (261, 44130), (263, 44124), (271, 44076), (280, 44031), (285, 44007), (288, 43992), (290, 43968),

Gene: Hangman_46 Start: 45811, Stop: 44468, Start Num: 72
Candidate Starts for Hangman_46:
(Start: 72 @45811 has 35 MA's), (Start: 75 @45808 has 243 MA's), (Start: 77 @45799 has 2 MA's), (78, 45793), (84, 45742), (115, 45595), (126, 45550), (131, 45529), (148, 45388), (151, 45364), (157, 45343), (158, 45340), (163, 45325), (165, 45310), (187, 45241), (191, 45208), (196, 45184), (207, 45097), (208, 45088), (216, 45055), (217, 45052), (219, 45034), (225, 45004), (237, 44944), (240, 44926), (242, 44914), (245, 44869), (246, 44863), (247, 44854), (248, 44833), (250, 44824), (251, 44800), (263, 44761), (274, 44695), (275, 44692), (289, 44623), (290, 44605),

Gene: Happabalu_51 Start: 44962, Stop: 43559, Start Num: 75
Candidate Starts for Happabalu_51:
(40, 45127), (Start: 75 @44962 has 243 MA's), (Start: 76 @44959 has 85 MA's), (Start: 77 @44953 has 2 MA's), (82, 44911), (93, 44839), (99, 44818), (118, 44722), (131, 44671), (139, 44605), (140, 44602), (145, 44551), (157, 44485), (161, 44473), (169, 44437), (183, 44392), (188, 44362), (195, 44323), (199, 44284), (203, 44251), (204, 44248), (206, 44242), (208, 44224), (216, 44191), (219, 44170), (225, 44140), (243, 44026), (247, 43984), (248, 43963), (251, 43930), (261, 43858), (263, 43852), (271, 43804), (280, 43759), (285, 43735), (288, 43720), (290, 43696),

Gene: Hartsy_51 Start: 45284, Stop: 43881, Start Num: 75
Candidate Starts for Hartsy_51:
(40, 45449), (Start: 75 @45284 has 243 MA's), (Start: 76 @45281 has 85 MA's), (Start: 77 @45275 has 2 MA's), (82, 45233), (93, 45161), (99, 45140), (118, 45044), (131, 44993), (139, 44927), (140, 44924), (143, 44900), (145, 44873), (157, 44807), (161, 44795), (169, 44759), (183, 44714), (188, 44684), (195, 44645), (199, 44606), (203, 44573), (204, 44570), (208, 44546), (216, 44513), (219, 44492), (225, 44462), (243, 44348), (247, 44306), (248, 44285), (251, 44252), (261, 44180), (263, 44174), (271, 44126), (280, 44081), (285, 44057), (288, 44042), (290, 44018),

Gene: Harvey_51 Start: 45271, Stop: 43868, Start Num: 75

Candidate Starts for Harvey_51:
(40, 45436), (Start: 75 @45271 has 243 MA's), (Start: 76 @45268 has 85 MA's), (Start: 77 @45262 has 2 MA's), (82, 45220), (93, 45148), (99, 45127), (118, 45031), (131, 44980), (139, 44914), (140, 44911), (145, 44860), (157, 44794), (161, 44782), (169, 44746), (183, 44701), (188, 44671), (195, 44632), (199, 44593), (203, 44560), (204, 44557), (208, 44533), (216, 44500), (219, 44479), (225, 44449), (243, 44335), (247, 44293), (248, 44272), (251, 44239), (261, 44167), (263, 44161), (271, 44113), (280, 44068), (285, 44044), (288, 44029), (290, 44005),

Gene: HarveySr_49 Start: 44861, Stop: 43248, Start Num: 35
Candidate Starts for HarveySr_49:
(14, 44987), (15, 44981), (17, 44966), (Start: 33 @44870 has 9 MA's), (Start: 35 @44861 has 43 MA's), (56, 44765), (74, 44687), (91, 44552), (Start: 117 @44393 has 5 MA's), (123, 44378), (125, 44366), (131, 44336), (137, 44294), (145, 44216), (156, 44150), (157, 44147), (174, 44084), (180, 44051), (183, 44042), (198, 43949), (204, 43901), (205, 43898), (207, 43886), (208, 43877), (221, 43817), (225, 43793), (242, 43703), (251, 43592), (261, 43559), (262, 43556), (264, 43541), (268, 43520), (274, 43487),

Gene: Hashim76_53 Start: 45064, Stop: 43547, Start Num: 46
Candidate Starts for Hashim76_53:
(Start: 46 @45064 has 2 MA's), (71, 44938), (87, 44836), (92, 44812), (119, 44674), (131, 44626), (145, 44506), (146, 44497), (157, 44440), (170, 44386), (171, 44383), (195, 44278), (196, 44275), (204, 44203), (207, 44188), (208, 44179), (220, 44122), (237, 44029), (248, 43912), (251, 43879), (252, 43870), (260, 43852), (263, 43840), (277, 43762), (285, 43723), (304, 43555),

Gene: Heath_45 Start: 45316, Stop: 43976, Start Num: 75
Candidate Starts for Heath_45:
(Start: 72 @45319 has 35 MA's), (Start: 75 @45316 has 243 MA's), (Start: 77 @45307 has 2 MA's), (78, 45301), (84, 45250), (115, 45103), (126, 45058), (131, 45037), (148, 44896), (151, 44872), (157, 44851), (158, 44848), (163, 44833), (165, 44818), (187, 44749), (191, 44716), (196, 44692), (204, 44620), (207, 44605), (208, 44596), (216, 44563), (217, 44560), (219, 44542), (225, 44512), (237, 44452), (240, 44434), (242, 44422), (244, 44389), (245, 44377), (246, 44371), (247, 44362), (248, 44341), (250, 44332), (251, 44308), (263, 44269), (270, 44224), (274, 44203), (275, 44200), (289, 44131), (290, 44113),

Gene: Heathcliff_49 Start: 44839, Stop: 43226, Start Num: 35
Candidate Starts for Heathcliff_49:
(14, 44965), (15, 44959), (17, 44944), (Start: 33 @44848 has 9 MA's), (Start: 35 @44839 has 43 MA's), (56, 44743), (74, 44665), (91, 44530), (Start: 117 @44371 has 5 MA's), (123, 44356), (125, 44344), (131, 44314), (137, 44272), (145, 44194), (156, 44128), (157, 44125), (174, 44062), (180, 44029), (183, 44020), (198, 43927), (204, 43879), (205, 43876), (207, 43864), (208, 43855), (221, 43795), (225, 43771), (242, 43681), (251, 43570), (261, 43537), (262, 43534), (264, 43519), (268, 43498), (274, 43465),

Gene: Hedgerow_50 Start: 44982, Stop: 43615, Start Num: 76
Candidate Starts for Hedgerow_50:
(Start: 76 @44982 has 85 MA's), (83, 44919), (85, 44904), (109, 44793), (Start: 117 @44742 has 5 MA's), (130, 44694), (135, 44646), (154, 44505), (157, 44496), (175, 44451), (177, 44445), (178, 44439), (183, 44427), (199, 44322), (203, 44289), (207, 44271), (208, 44262), (216, 44229), (221, 44202), (225, 44178), (229, 44151), (235, 44124), (244, 44049), (248, 44004), (251, 43971), (258, 43950), (260, 43944), (266, 43911), (267, 43902), (269, 43893), (296, 43731), (297, 43713), (302, 43656),

Gene: Hekos_48 Start: 43810, Stop: 42407, Start Num: 72

Candidate Starts for Hekos_48:
(40, 43972), (Start: 72 @43810 has 35 MA's), (Start: 76 @43807 has 85 MA's), (82, 43759), (93, 43687), (99, 43666), (118, 43570), (131, 43519), (139, 43453), (140, 43450), (143, 43426), (145, 43399), (157, 43333), (161, 43321), (169, 43285), (183, 43240), (188, 43210), (195, 43171), (199, 43132), (203, 43099), (204, 43096), (208, 43072), (216, 43039), (219, 43018), (225, 42988), (243, 42874), (247, 42832), (248, 42811), (251, 42778), (261, 42706), (263, 42700), (271, 42652), (280, 42607), (285, 42583), (288, 42568), (290, 42544),

Gene: Held_51 Start: 44960, Stop: 43557, Start Num: 75
Candidate Starts for Held_51:
(11, 45338), (12, 45293), (19, 45251), (28, 45170), (40, 45125), (Start: 75 @44960 has 243 MA's), (Start: 76 @44957 has 85 MA's), (Start: 77 @44951 has 2 MA's), (82, 44909), (93, 44837), (99, 44816), (118, 44720), (131, 44669), (139, 44603), (140, 44600), (145, 44549), (157, 44483), (161, 44471), (169, 44435), (183, 44390), (188, 44360), (195, 44321), (199, 44282), (203, 44249), (204, 44246), (208, 44222), (216, 44189), (219, 44168), (225, 44138), (243, 44024), (247, 43982), (248, 43961), (251, 43928), (261, 43856), (263, 43850), (271, 43802), (280, 43757), (285, 43733), (288, 43718), (290, 43694),

Gene: HenryJackson_50 Start: 44952, Stop: 43552, Start Num: 76
Candidate Starts for HenryJackson_50:
(40, 45120), (Start: 75 @44955 has 243 MA's), (Start: 76 @44952 has 85 MA's), (Start: 77 @44946 has 2 MA's), (82, 44904), (93, 44832), (99, 44811), (118, 44715), (131, 44664), (139, 44598), (140, 44595), (143, 44571), (145, 44544), (157, 44478), (161, 44466), (169, 44430), (183, 44385), (188, 44355), (195, 44316), (199, 44277), (203, 44244), (204, 44241), (208, 44217), (216, 44184), (219, 44163), (225, 44133), (243, 44019), (247, 43977), (248, 43956), (251, 43923), (261, 43851), (263, 43845), (271, 43797), (280, 43752), (285, 43728), (288, 43713), (290, 43689),

Gene: Hertubise_51 Start: 45255, Stop: 43852, Start Num: 75
Candidate Starts for Hertubise_51:
(40, 45420), (Start: 75 @45255 has 243 MA's), (Start: 76 @45252 has 85 MA's), (Start: 77 @45246 has 2 MA's), (82, 45204), (93, 45132), (99, 45111), (118, 45015), (131, 44964), (139, 44898), (140, 44895), (145, 44844), (157, 44778), (161, 44766), (169, 44730), (183, 44685), (188, 44655), (195, 44616), (199, 44577), (203, 44544), (204, 44541), (208, 44517), (216, 44484), (219, 44463), (225, 44433), (243, 44319), (247, 44277), (248, 44256), (251, 44223), (261, 44151), (263, 44145), (271, 44097), (280, 44052), (285, 44028), (288, 44013), (290, 43989),

Gene: Hetaeria_51 Start: 45272, Stop: 43869, Start Num: 75
Candidate Starts for Hetaeria_51:
(11, 45650), (12, 45605), (19, 45563), (28, 45482), (40, 45437), (Start: 75 @45272 has 243 MA's), (Start: 76 @45269 has 85 MA's), (Start: 77 @45263 has 2 MA's), (82, 45221), (93, 45149), (99, 45128), (118, 45032), (131, 44981), (139, 44915), (140, 44912), (143, 44888), (145, 44861), (157, 44795), (161, 44783), (169, 44747), (183, 44702), (188, 44672), (195, 44633), (199, 44594), (203, 44561), (204, 44558), (208, 44534), (216, 44501), (219, 44480), (225, 44450), (243, 44336), (247, 44294), (248, 44273), (251, 44240), (261, 44168), (263, 44162), (271, 44114), (280, 44069), (285, 44045), (288, 44030), (290, 44006),

Gene: HighStump_51 Start: 45082, Stop: 43679, Start Num: 75
Candidate Starts for HighStump_51:
(40, 45247), (Start: 75 @45082 has 243 MA's), (Start: 76 @45079 has 85 MA's), (Start: 77 @45073 has 2 MA's), (82, 45031), (93, 44959), (99, 44938), (118, 44842), (131, 44791), (139, 44725), (140, 44722), (143, 44698), (145, 44671), (157, 44605), (161, 44593), (169, 44557), (183, 44512), (188, 44482), (195, 44443), (199, 44404), (203, 44371), (204, 44368), (208, 44344), (216, 44311), (219, 44290), (225, 44260), (243, 44146), (247, 44104), (248, 44083), (251, 44050), (261, 43978), (263,

43972), (271, 43924), (280, 43879), (285, 43855), (288, 43840), (290, 43816),

Gene: Hocus_50 Start: 44944, Stop: 43541, Start Num: 72
Candidate Starts for Hocus_50:
(40, 45106), (Start: 72 @44944 has 35 MA's), (Start: 76 @44941 has 85 MA's), (82, 44893), (93, 44821), (99, 44800), (118, 44704), (131, 44653), (139, 44587), (140, 44584), (143, 44560), (145, 44533), (157, 44467), (161, 44455), (169, 44419), (183, 44374), (188, 44344), (195, 44305), (199, 44266), (203, 44233), (204, 44230), (206, 44224), (208, 44206), (216, 44173), (219, 44152), (225, 44122), (243, 44008), (247, 43966), (248, 43945), (251, 43912), (261, 43840), (263, 43834), (271, 43786), (280, 43741), (285, 43717), (288, 43702), (290, 43678),

Gene: HogWash_51 Start: 45253, Stop: 43850, Start Num: 75
Candidate Starts for HogWash_51:
(40, 45418), (Start: 75 @45253 has 243 MA's), (Start: 76 @45250 has 85 MA's), (Start: 77 @45244 has 2 MA's), (82, 45202), (93, 45130), (99, 45109), (118, 45013), (131, 44962), (139, 44896), (140, 44893), (145, 44842), (157, 44776), (161, 44764), (169, 44728), (183, 44683), (188, 44653), (195, 44614), (199, 44575), (203, 44542), (204, 44539), (206, 44533), (208, 44515), (216, 44482), (219, 44461), (225, 44431), (243, 44317), (247, 44275), (248, 44254), (251, 44221), (261, 44149), (263, 44143), (271, 44095), (280, 44050), (285, 44026), (288, 44011), (290, 43987),

Gene: Holeinone_50 Start: 44833, Stop: 43466, Start Num: 76
Candidate Starts for Holeinone_50:
(Start: 76 @44833 has 85 MA's), (83, 44770), (85, 44755), (109, 44644), (Start: 117 @44593 has 5 MA's), (130, 44545), (135, 44497), (145, 44413), (152, 44362), (154, 44356), (157, 44347), (175, 44302), (177, 44296), (178, 44290), (183, 44278), (199, 44173), (203, 44140), (207, 44122), (208, 44113), (216, 44080), (221, 44053), (225, 44029), (229, 44002), (235, 43975), (244, 43900), (248, 43855), (251, 43822), (258, 43801), (260, 43795), (266, 43762), (269, 43744), (296, 43582), (297, 43564), (302, 43507),

Gene: Horchata_51 Start: 45247, Stop: 43844, Start Num: 75
Candidate Starts for Horchata_51:
(11, 45625), (12, 45580), (19, 45538), (28, 45457), (40, 45412), (Start: 75 @45247 has 243 MA's), (Start: 76 @45244 has 85 MA's), (Start: 77 @45238 has 2 MA's), (82, 45196), (93, 45124), (99, 45103), (118, 45007), (131, 44956), (139, 44890), (140, 44887), (145, 44836), (157, 44770), (161, 44758), (169, 44722), (183, 44677), (188, 44647), (195, 44608), (199, 44569), (203, 44536), (204, 44533), (208, 44509), (216, 44476), (219, 44455), (225, 44425), (243, 44311), (247, 44269), (248, 44248), (251, 44215), (261, 44143), (263, 44137), (271, 44089), (280, 44044), (285, 44020), (288, 44005), (290, 43981),

Gene: Hosp_042 Start: 41753, Stop: 40323, Start Num: 70
Candidate Starts for Hosp_042:
(52, 41819), (Start: 70 @41753 has 3 MA's), (Start: 77 @41735 has 2 MA's), (105, 41531), (110, 41513), (115, 41459), (122, 41432), (130, 41396), (131, 41384), (155, 41204), (157, 41198), (163, 41180), (165, 41165), (187, 41099), (193, 41057), (195, 41045), (196, 41042), (204, 40970), (206, 40964), (208, 40946), (220, 40889), (232, 40835), (236, 40805), (240, 40784), (247, 40712), (248, 40691), (251, 40658), (263, 40619), (270, 40574), (273, 40556), (275, 40550), (284, 40505), (285, 40502), (299, 40379),

Gene: Hydro_46 Start: 45744, Stop: 44404, Start Num: 75
Candidate Starts for Hydro_46:
(Start: 72 @45747 has 35 MA's), (Start: 75 @45744 has 243 MA's), (Start: 77 @45735 has 2 MA's), (78, 45729), (84, 45678), (115, 45531), (126, 45486), (131, 45465), (148, 45324), (151, 45300), (157, 45279), (158, 45276), (163, 45261), (165, 45246), (187, 45177), (188, 45162), (191, 45144), (196,

45120), (204, 45048), (207, 45033), (208, 45024), (216, 44991), (217, 44988), (219, 44970), (225, 44940), (237, 44880), (240, 44862), (242, 44850), (245, 44805), (246, 44799), (247, 44790), (250, 44760), (251, 44736), (263, 44697), (274, 44631), (275, 44628), (289, 44559), (290, 44541),

Gene: ImtiyazSitla_51 Start: 44930, Stop: 43527, Start Num: 75
Candidate Starts for ImtiyazSitla_51:
(40, 45095), (Start: 75 @44930 has 243 MA's), (Start: 76 @44927 has 85 MA's), (Start: 77 @44921 has 2 MA's), (82, 44879), (93, 44807), (99, 44786), (118, 44690), (131, 44639), (139, 44573), (140, 44570), (145, 44519), (157, 44453), (161, 44441), (169, 44405), (183, 44360), (188, 44330), (195, 44291), (199, 44252), (203, 44219), (204, 44216), (206, 44210), (208, 44192), (216, 44159), (219, 44138), (225, 44108), (243, 43994), (247, 43952), (248, 43931), (251, 43898), (261, 43826), (263, 43820), (271, 43772), (280, 43727), (285, 43703), (288, 43688), (290, 43664),

Gene: Imvubu_43 Start: 42496, Stop: 41111, Start Num: 76
Candidate Starts for Imvubu_43:
(60, 42553), (Start: 76 @42496 has 85 MA's), (82, 42448), (83, 42433), (107, 42310), (108, 42304), (118, 42229), (124, 42211), (137, 42139), (158, 41992), (188, 41887), (189, 41878), (193, 41860), (195, 41848), (196, 41845), (202, 41782), (204, 41773), (207, 41758), (209, 41746), (222, 41677), (225, 41665), (234, 41605), (240, 41575), (242, 41563), (244, 41530), (246, 41512), (248, 41482), (251, 41449), (275, 41341), (285, 41293), (289, 41272),

Gene: Inchworm_52 Start: 45368, Stop: 43965, Start Num: 75
Candidate Starts for Inchworm_52:
(40, 45533), (Start: 75 @45368 has 243 MA's), (Start: 76 @45365 has 85 MA's), (Start: 77 @45359 has 2 MA's), (82, 45317), (93, 45245), (99, 45224), (118, 45128), (131, 45077), (139, 45011), (140, 45008), (145, 44957), (157, 44891), (161, 44879), (169, 44843), (183, 44798), (188, 44768), (195, 44729), (199, 44690), (203, 44657), (204, 44654), (206, 44648), (208, 44630), (216, 44597), (219, 44576), (225, 44546), (243, 44432), (247, 44390), (248, 44369), (251, 44336), (261, 44264), (263, 44258), (271, 44210), (280, 44165), (285, 44141), (288, 44126), (290, 44102),

Gene: Indlovu_48 Start: 44932, Stop: 43562, Start Num: 75
Candidate Starts for Indlovu_48:
(Start: 75 @44932 has 243 MA's), (97, 44788), (112, 44707), (118, 44677), (131, 44620), (135, 44584), (155, 44440), (163, 44416), (165, 44401), (184, 44344), (187, 44335), (188, 44320), (191, 44302), (196, 44278), (201, 44221), (207, 44191), (209, 44179), (210, 44176), (216, 44149), (220, 44125), (221, 44122), (225, 44098), (232, 44071), (240, 44020), (243, 43990), (245, 43963), (251, 43894), (260, 43867), (274, 43789), (285, 43738), (289, 43717), (297, 43636), (299, 43615), (304, 43570),

Gene: Inverness_51 Start: 45256, Stop: 43853, Start Num: 75
Candidate Starts for Inverness_51:
(11, 45634), (12, 45589), (19, 45547), (28, 45466), (40, 45421), (Start: 75 @45256 has 243 MA's), (Start: 76 @45253 has 85 MA's), (Start: 77 @45247 has 2 MA's), (82, 45205), (93, 45133), (99, 45112), (118, 45016), (131, 44965), (139, 44899), (140, 44896), (143, 44872), (145, 44845), (157, 44779), (161, 44767), (169, 44731), (183, 44686), (188, 44656), (195, 44617), (199, 44578), (203, 44545), (204, 44542), (208, 44518), (216, 44485), (219, 44464), (225, 44434), (247, 44278), (248, 44257), (251, 44224), (261, 44152), (263, 44146), (271, 44098), (280, 44053), (285, 44029), (288, 44014), (290, 43990),

Gene: Iridessa_51 Start: 44940, Stop: 43537, Start Num: 75
Candidate Starts for Iridessa_51:
(40, 45105), (Start: 75 @44940 has 243 MA's), (Start: 76 @44937 has 85 MA's), (Start: 77 @44931 has 2 MA's), (82, 44889), (93, 44817), (99, 44796), (118, 44700), (131, 44649), (139, 44583), (140, 44580), (143, 44556), (145, 44529), (157, 44463), (161, 44451), (169, 44415), (183, 44370), (188,

44340), (195, 44301), (199, 44262), (203, 44229), (204, 44226), (208, 44202), (216, 44169), (219, 44148), (225, 44118), (243, 44004), (247, 43962), (248, 43941), (251, 43908), (261, 43836), (263, 43830), (271, 43782), (280, 43737), (285, 43713), (288, 43698), (290, 43674),

Gene: Iridoclysis_51 Start: 45227, Stop: 43824, Start Num: 75
Candidate Starts for Iridoclysis_51:
(40, 45392), (Start: 75 @45227 has 243 MA's), (Start: 76 @45224 has 85 MA's), (Start: 77 @45218 has 2 MA's), (82, 45176), (93, 45104), (99, 45083), (118, 44987), (131, 44936), (139, 44870), (140, 44867), (145, 44816), (157, 44750), (161, 44738), (169, 44702), (183, 44657), (188, 44627), (195, 44588), (199, 44549), (203, 44516), (204, 44513), (208, 44489), (216, 44456), (219, 44435), (225, 44405), (243, 44291), (247, 44249), (248, 44228), (251, 44195), (261, 44123), (263, 44117), (271, 44069), (280, 44024), (285, 44000), (288, 43985), (290, 43961),

Gene: IsaacEli_52 Start: 45386, Stop: 43983, Start Num: 75
Candidate Starts for IsaacEli_52:
(11, 45764), (12, 45719), (19, 45677), (28, 45596), (40, 45551), (Start: 75 @45386 has 243 MA's), (Start: 76 @45383 has 85 MA's), (Start: 77 @45377 has 2 MA's), (82, 45335), (93, 45263), (99, 45242), (118, 45146), (131, 45095), (139, 45029), (140, 45026), (145, 44975), (157, 44909), (161, 44897), (169, 44861), (183, 44816), (188, 44786), (195, 44747), (199, 44708), (203, 44675), (204, 44672), (208, 44648), (216, 44615), (219, 44594), (225, 44564), (243, 44450), (247, 44408), (248, 44387), (251, 44354), (261, 44282), (263, 44276), (271, 44228), (280, 44183), (285, 44159), (288, 44144), (290, 44120),

Gene: ItsyBitsy1_50 Start: 44850, Stop: 43483, Start Num: 76
Candidate Starts for ItsyBitsy1_50:
(Start: 76 @44850 has 85 MA's), (83, 44787), (85, 44772), (109, 44661), (Start: 117 @44610 has 5 MA's), (130, 44562), (135, 44514), (152, 44379), (154, 44373), (157, 44364), (175, 44319), (177, 44313), (178, 44307), (183, 44295), (199, 44190), (203, 44157), (208, 44130), (216, 44097), (221, 44070), (225, 44046), (229, 44019), (235, 43992), (244, 43917), (248, 43872), (251, 43839), (258, 43818), (260, 43812), (266, 43779), (267, 43770), (269, 43761), (296, 43599), (297, 43581), (302, 43524),

Gene: JAMaL_46 Start: 45881, Stop: 44538, Start Num: 72
Candidate Starts for JAMaL_46:
(Start: 72 @45881 has 35 MA's), (Start: 75 @45878 has 243 MA's), (Start: 77 @45869 has 2 MA's), (78, 45863), (84, 45812), (115, 45665), (126, 45620), (131, 45599), (132, 45587), (148, 45458), (151, 45434), (157, 45413), (158, 45410), (163, 45395), (165, 45380), (187, 45311), (188, 45296), (191, 45278), (196, 45254), (207, 45167), (208, 45158), (216, 45125), (217, 45122), (219, 45104), (225, 45074), (237, 45014), (240, 44996), (242, 44984), (245, 44939), (246, 44933), (247, 44924), (248, 44903), (250, 44894), (251, 44870), (263, 44831), (274, 44765), (275, 44762), (289, 44693), (290, 44675),

Gene: JDog_50 Start: 44964, Stop: 43561, Start Num: 72
Candidate Starts for JDog_50:
(40, 45126), (Start: 72 @44964 has 35 MA's), (Start: 76 @44961 has 85 MA's), (82, 44913), (93, 44841), (99, 44820), (118, 44724), (131, 44673), (139, 44607), (140, 44604), (143, 44580), (145, 44553), (157, 44487), (161, 44475), (169, 44439), (183, 44394), (188, 44364), (195, 44325), (199, 44286), (203, 44253), (204, 44250), (206, 44244), (208, 44226), (216, 44193), (219, 44172), (225, 44142), (243, 44028), (247, 43986), (248, 43965), (251, 43932), (261, 43860), (263, 43854), (271, 43806), (280, 43761), (285, 43737), (288, 43722), (290, 43698),

Gene: JacAttac_52 Start: 45368, Stop: 43965, Start Num: 75
Candidate Starts for JacAttac_52:

(11, 45746), (12, 45701), (19, 45659), (28, 45578), (40, 45533), (Start: 75 @45368 has 243 MA's), (Start: 76 @45365 has 85 MA's), (Start: 77 @45359 has 2 MA's), (82, 45317), (93, 45245), (99, 45224), (118, 45128), (131, 45077), (139, 45011), (140, 45008), (145, 44957), (157, 44891), (161, 44879), (169, 44843), (183, 44798), (188, 44768), (195, 44729), (199, 44690), (203, 44657), (204, 44654), (208, 44630), (216, 44597), (219, 44576), (225, 44546), (243, 44432), (247, 44390), (248, 44369), (251, 44336), (261, 44264), (263, 44258), (271, 44210), (280, 44165), (285, 44141), (288, 44126), (290, 44102),

Gene: Jackstina_46 Start: 44798, Stop: 43185, Start Num: 35
Candidate Starts for Jackstina_46:
(14, 44924), (15, 44918), (17, 44903), (Start: 33 @44807 has 9 MA's), (Start: 35 @44798 has 43 MA's), (56, 44702), (74, 44624), (91, 44489), (Start: 117 @44330 has 5 MA's), (123, 44315), (125, 44303), (131, 44273), (137, 44231), (145, 44153), (174, 44021), (180, 43988), (183, 43979), (198, 43886), (204, 43838), (207, 43823), (208, 43814), (216, 43781), (221, 43754), (225, 43730), (242, 43640), (251, 43529), (261, 43496), (262, 43493), (264, 43478), (268, 43457), (274, 43424),

Gene: JaguarMi_46 Start: 45187, Stop: 43847, Start Num: 75
Candidate Starts for JaguarMi_46:
(Start: 75 @45187 has 243 MA's), (Start: 77 @45178 has 2 MA's), (78, 45172), (115, 44974), (126, 44929), (131, 44908), (148, 44767), (151, 44743), (157, 44722), (158, 44719), (163, 44704), (165, 44689), (187, 44620), (191, 44587), (196, 44563), (204, 44491), (207, 44476), (208, 44467), (211, 44452), (216, 44434), (217, 44431), (219, 44413), (225, 44383), (237, 44323), (240, 44305), (242, 44293), (245, 44248), (246, 44242), (247, 44233), (248, 44212), (250, 44203), (251, 44179), (263, 44140), (274, 44074), (275, 44071), (289, 44002), (290, 43984),

Gene: JakeO_50 Start: 44963, Stop: 43560, Start Num: 72
Candidate Starts for JakeO_50:
(40, 45125), (Start: 72 @44963 has 35 MA's), (Start: 76 @44960 has 85 MA's), (82, 44912), (93, 44840), (99, 44819), (118, 44723), (131, 44672), (139, 44606), (140, 44603), (143, 44579), (145, 44552), (157, 44486), (161, 44474), (169, 44438), (183, 44393), (188, 44363), (195, 44324), (199, 44285), (203, 44252), (204, 44249), (206, 44243), (208, 44225), (216, 44192), (219, 44171), (225, 44141), (243, 44027), (247, 43985), (248, 43964), (251, 43931), (261, 43859), (263, 43853), (271, 43805), (280, 43760), (285, 43736), (288, 43721), (290, 43697),

Gene: JangoPhett_51 Start: 45238, Stop: 43835, Start Num: 75
Candidate Starts for JangoPhett_51:
(11, 45616), (12, 45571), (19, 45529), (28, 45448), (40, 45403), (Start: 75 @45238 has 243 MA's), (Start: 76 @45235 has 85 MA's), (Start: 77 @45229 has 2 MA's), (82, 45187), (93, 45115), (99, 45094), (118, 44998), (131, 44947), (139, 44881), (140, 44878), (145, 44827), (157, 44761), (161, 44749), (169, 44713), (183, 44668), (188, 44638), (195, 44599), (199, 44560), (203, 44527), (204, 44524), (208, 44500), (216, 44467), (219, 44446), (225, 44416), (243, 44302), (247, 44260), (248, 44239), (251, 44206), (261, 44134), (263, 44128), (271, 44080), (280, 44035), (285, 44011), (288, 43996), (290, 43972),

Gene: Jbug01_51 Start: 44458, Stop: 43055, Start Num: 72
Candidate Starts for Jbug01_51:
(40, 44620), (Start: 72 @44458 has 35 MA's), (Start: 76 @44455 has 85 MA's), (82, 44407), (93, 44335), (99, 44314), (118, 44218), (131, 44167), (139, 44101), (140, 44098), (143, 44074), (145, 44047), (157, 43981), (161, 43969), (169, 43933), (183, 43888), (188, 43858), (195, 43819), (199, 43780), (203, 43747), (204, 43744), (208, 43720), (216, 43687), (219, 43666), (225, 43636), (243, 43522), (247, 43480), (248, 43459), (251, 43426), (261, 43354), (263, 43348), (271, 43300), (280, 43255), (285, 43231), (288, 43216), (290, 43192),

Gene: JellyBelly_44 Start: 37656, Stop: 36502, Start Num: 117
Candidate Starts for JellyBelly_44:
(Start: 117 @37656 has 5 MA's), (125, 37629), (131, 37599), (172, 37362), (180, 37344), (193, 37281), (194, 37278), (196, 37266), (216, 37137), (221, 37110), (225, 37086), (234, 37038), (237, 37026), (242, 36996), (248, 36918), (251, 36885), (258, 36852), (260, 36825), (268, 36780), (269, 36774), (274, 36747), (275, 36744), (285, 36696), (302, 36534),

Gene: Jesabah_51 Start: 44963, Stop: 43563, Start Num: 76
Candidate Starts for Jesabah_51:
(11, 45344), (12, 45299), (19, 45257), (28, 45176), (40, 45131), (Start: 75 @44966 has 243 MA's), (Start: 76 @44963 has 85 MA's), (Start: 77 @44957 has 2 MA's), (82, 44915), (93, 44843), (99, 44822), (118, 44726), (131, 44675), (139, 44609), (140, 44606), (145, 44555), (157, 44489), (161, 44477), (169, 44441), (183, 44396), (188, 44366), (195, 44327), (199, 44288), (203, 44255), (204, 44252), (208, 44228), (216, 44195), (219, 44174), (225, 44144), (243, 44030), (247, 43988), (248, 43967), (251, 43934), (261, 43862), (263, 43856), (271, 43808), (280, 43763), (285, 43739), (288, 43724), (290, 43700),

Gene: Jillium_50 Start: 44957, Stop: 43554, Start Num: 75
Candidate Starts for Jillium_50:
(11, 45335), (12, 45290), (19, 45248), (28, 45167), (40, 45122), (Start: 75 @44957 has 243 MA's), (Start: 76 @44954 has 85 MA's), (Start: 77 @44948 has 2 MA's), (82, 44906), (93, 44834), (99, 44813), (118, 44717), (131, 44666), (139, 44600), (140, 44597), (145, 44546), (157, 44480), (161, 44468), (169, 44432), (183, 44387), (188, 44357), (195, 44318), (199, 44279), (203, 44246), (204, 44243), (208, 44219), (216, 44186), (219, 44165), (225, 44135), (243, 44021), (247, 43979), (248, 43958), (251, 43925), (261, 43853), (263, 43847), (271, 43799), (280, 43754), (285, 43730), (288, 43715), (290, 43691),

Gene: Jiminy_50 Start: 44798, Stop: 43395, Start Num: 72
Candidate Starts for Jiminy_50:
(40, 44960), (Start: 72 @44798 has 35 MA's), (Start: 76 @44795 has 85 MA's), (82, 44747), (93, 44675), (99, 44654), (118, 44558), (131, 44507), (139, 44441), (140, 44438), (143, 44414), (145, 44387), (157, 44321), (161, 44309), (169, 44273), (183, 44228), (188, 44198), (195, 44159), (199, 44120), (203, 44087), (204, 44084), (206, 44078), (208, 44060), (216, 44027), (219, 44006), (225, 43976), (243, 43862), (247, 43820), (248, 43799), (251, 43766), (261, 43694), (263, 43688), (271, 43640), (280, 43595), (285, 43571), (288, 43556), (290, 43532),

Gene: Jiraiya_50 Start: 44948, Stop: 43548, Start Num: 76
Candidate Starts for Jiraiya_50:
(40, 45113), (Start: 72 @44951 has 35 MA's), (Start: 76 @44948 has 85 MA's), (82, 44900), (93, 44828), (99, 44807), (118, 44711), (131, 44660), (139, 44594), (140, 44591), (143, 44567), (145, 44540), (157, 44474), (161, 44462), (169, 44426), (183, 44381), (188, 44351), (195, 44312), (199, 44273), (203, 44240), (204, 44237), (208, 44213), (216, 44180), (219, 44159), (225, 44129), (243, 44015), (247, 43973), (248, 43952), (251, 43919), (261, 43847), (263, 43841), (271, 43793), (280, 43748), (285, 43724), (288, 43709), (290, 43685),

Gene: Jolie1_044 Start: 43527, Stop: 42097, Start Num: 70
Candidate Starts for Jolie1_044:
(48, 43617), (52, 43593), (62, 43557), (Start: 70 @43527 has 3 MA's), (Start: 77 @43509 has 2 MA's), (105, 43305), (110, 43287), (115, 43233), (122, 43206), (130, 43170), (131, 43158), (155, 42978), (157, 42972), (163, 42954), (165, 42939), (187, 42873), (191, 42840), (193, 42831), (195, 42819), (196, 42816), (204, 42744), (206, 42738), (207, 42729), (208, 42720), (209, 42717), (220, 42663), (222, 42648), (232, 42609), (236, 42579), (247, 42486), (248, 42465), (251, 42432), (263, 42393), (270, 42348), (273, 42330), (275, 42324), (284, 42279),

Gene: JoyceMaria_46 Start: 45697, Stop: 44357, Start Num: 75
Candidate Starts for JoyceMaria_46:
(Start: 72 @45700 has 35 MA's), (Start: 75 @45697 has 243 MA's), (Start: 77 @45688 has 2 MA's), (78, 45682), (84, 45631), (115, 45484), (126, 45439), (131, 45418), (148, 45277), (151, 45253), (157, 45232), (158, 45229), (163, 45214), (165, 45199), (187, 45130), (191, 45097), (196, 45073), (207, 44986), (208, 44977), (216, 44944), (217, 44941), (219, 44923), (225, 44893), (237, 44833), (240, 44815), (242, 44803), (245, 44758), (246, 44752), (247, 44743), (248, 44722), (250, 44713), (251, 44689), (263, 44650), (274, 44584), (275, 44581), (289, 44512), (290, 44494),

Gene: KLucky39_51 Start: 45251, Stop: 43851, Start Num: 76
Candidate Starts for KLucky39_51:
(11, 45632), (12, 45587), (19, 45545), (28, 45464), (40, 45419), (Start: 75 @45254 has 243 MA's), (Start: 76 @45251 has 85 MA's), (Start: 77 @45245 has 2 MA's), (82, 45203), (93, 45131), (99, 45110), (118, 45014), (131, 44963), (139, 44897), (140, 44894), (143, 44870), (145, 44843), (157, 44777), (161, 44765), (169, 44729), (183, 44684), (188, 44654), (195, 44615), (199, 44576), (203, 44543), (204, 44540), (208, 44516), (216, 44483), (219, 44462), (225, 44432), (243, 44318), (247, 44276), (248, 44255), (251, 44222), (261, 44150), (263, 44144), (271, 44096), (280, 44051), (285, 44027), (288, 44012), (290, 43988),

Gene: Kahve_50 Start: 44952, Stop: 43549, Start Num: 75
Candidate Starts for Kahve_50:
(40, 45117), (Start: 75 @44952 has 243 MA's), (Start: 76 @44949 has 85 MA's), (Start: 77 @44943 has 2 MA's), (82, 44901), (93, 44829), (99, 44808), (118, 44712), (131, 44661), (139, 44595), (140, 44592), (143, 44568), (145, 44541), (157, 44475), (161, 44463), (169, 44427), (183, 44382), (188, 44352), (195, 44313), (199, 44274), (203, 44241), (204, 44238), (208, 44214), (216, 44181), (219, 44160), (225, 44130), (243, 44016), (247, 43974), (248, 43953), (251, 43920), (261, 43848), (263, 43842), (271, 43794), (280, 43749), (285, 43725), (288, 43710), (290, 43686),

Gene: Kailash_51 Start: 45314, Stop: 43911, Start Num: 75
Candidate Starts for Kailash_51:
(40, 45479), (Start: 75 @45314 has 243 MA's), (Start: 76 @45311 has 85 MA's), (Start: 77 @45305 has 2 MA's), (82, 45263), (93, 45191), (99, 45170), (118, 45074), (131, 45023), (139, 44957), (140, 44954), (145, 44903), (157, 44837), (161, 44825), (169, 44789), (183, 44744), (188, 44714), (195, 44675), (199, 44636), (203, 44603), (204, 44600), (206, 44594), (208, 44576), (216, 44543), (219, 44522), (225, 44492), (243, 44378), (247, 44336), (248, 44315), (251, 44282), (261, 44210), (263, 44204), (271, 44156), (280, 44111), (285, 44087), (288, 44072), (290, 44048),

Gene: Kaleb_50 Start: 44997, Stop: 43630, Start Num: 76
Candidate Starts for Kaleb_50:
(Start: 76 @44997 has 85 MA's), (83, 44934), (85, 44919), (109, 44808), (Start: 117 @44757 has 5 MA's), (130, 44709), (135, 44661), (154, 44520), (157, 44511), (175, 44466), (177, 44460), (178, 44454), (183, 44442), (199, 44337), (203, 44304), (207, 44286), (208, 44277), (216, 44244), (221, 44217), (225, 44193), (229, 44166), (235, 44139), (244, 44064), (248, 44019), (251, 43986), (258, 43965), (260, 43959), (266, 43926), (267, 43917), (269, 43908), (296, 43746), (297, 43728), (302, 43671),

Gene: Kamiyu_49 Start: 44846, Stop: 43233, Start Num: 35
Candidate Starts for Kamiyu_49:
(14, 44972), (15, 44966), (17, 44951), (Start: 33 @44855 has 9 MA's), (Start: 35 @44846 has 43 MA's), (56, 44750), (74, 44672), (91, 44537), (Start: 117 @44378 has 5 MA's), (123, 44363), (125, 44351), (131, 44321), (137, 44279), (145, 44201), (174, 44069), (180, 44036), (183, 44027), (198, 43934), (204, 43886), (207, 43871), (208, 43862), (216, 43829), (221, 43802), (225, 43778), (242, 43688),

(251, 43577), (261, 43544), (262, 43541), (264, 43526), (268, 43505), (274, 43472),

Gene: KarasumaRum_51 Start: 46290, Stop: 44905, Start Num: 73
Candidate Starts for KarasumaRum_51:
(40, 46440), (Start: 73 @46290 has 10 MA's), (Start: 79 @46272 has 2 MA's), (105, 46116), (118, 46053), (126, 46023), (149, 45858), (157, 45816), (164, 45798), (167, 45783), (185, 45732), (193, 45681), (204, 45594), (207, 45579), (208, 45570), (221, 45510), (225, 45486), (226, 45483), (245, 45351), (248, 45318), (251, 45285), (253, 45267), (261, 45213), (269, 45168), (274, 45141), (289, 45060), (293, 45021), (297, 44979),

Gene: Karn_50 Start: 44958, Stop: 43555, Start Num: 72
Candidate Starts for Karn_50:
(40, 45120), (Start: 72 @44958 has 35 MA's), (Start: 76 @44955 has 85 MA's), (82, 44907), (93, 44835), (99, 44814), (118, 44718), (131, 44667), (139, 44601), (140, 44598), (143, 44574), (145, 44547), (157, 44481), (161, 44469), (169, 44433), (183, 44388), (188, 44358), (195, 44319), (199, 44280), (203, 44247), (204, 44244), (208, 44220), (216, 44187), (219, 44166), (225, 44136), (243, 44022), (247, 43980), (248, 43959), (251, 43926), (261, 43854), (263, 43848), (271, 43800), (280, 43755), (285, 43731), (288, 43716), (290, 43692),

Gene: Katniss_52 Start: 45395, Stop: 43992, Start Num: 75
Candidate Starts for Katniss_52:
(11, 45773), (12, 45728), (19, 45686), (28, 45605), (40, 45560), (Start: 75 @45395 has 243 MA's), (Start: 76 @45392 has 85 MA's), (Start: 77 @45386 has 2 MA's), (82, 45344), (93, 45272), (99, 45251), (118, 45155), (131, 45104), (139, 45038), (140, 45035), (145, 44984), (157, 44918), (161, 44906), (169, 44870), (183, 44825), (188, 44795), (195, 44756), (199, 44717), (203, 44684), (204, 44681), (208, 44657), (216, 44624), (219, 44603), (225, 44573), (243, 44459), (247, 44417), (248, 44396), (251, 44363), (261, 44291), (263, 44285), (271, 44237), (280, 44192), (285, 44168), (288, 44153), (290, 44129),

Gene: KayaCho_44 Start: 43553, Stop: 42126, Start Num: 70
Candidate Starts for KayaCho_44:
(67, 43562), (Start: 70 @43553 has 3 MA's), (Start: 77 @43535 has 2 MA's), (105, 43331), (110, 43313), (115, 43259), (130, 43196), (131, 43184), (155, 43004), (157, 42998), (163, 42980), (165, 42965), (187, 42899), (193, 42857), (195, 42845), (196, 42842), (204, 42770), (206, 42764), (208, 42746), (220, 42689), (232, 42635), (236, 42605), (240, 42584), (247, 42512), (248, 42491), (251, 42458), (270, 42374), (273, 42356), (275, 42350), (284, 42305), (285, 42302),

Gene: Keitherie_51 Start: 45298, Stop: 43895, Start Num: 72
Candidate Starts for Keitherie_51:
(40, 45460), (Start: 72 @45298 has 35 MA's), (Start: 76 @45295 has 85 MA's), (82, 45247), (93, 45175), (99, 45154), (118, 45058), (131, 45007), (139, 44941), (140, 44938), (143, 44914), (145, 44887), (157, 44821), (161, 44809), (169, 44773), (183, 44728), (188, 44698), (195, 44659), (199, 44620), (203, 44587), (204, 44584), (208, 44560), (216, 44527), (219, 44506), (225, 44476), (243, 44362), (247, 44320), (248, 44299), (251, 44266), (261, 44194), (263, 44188), (271, 44140), (280, 44095), (285, 44071), (288, 44056), (290, 44032),

Gene: Khan1_50 Start: 44973, Stop: 43570, Start Num: 75
Candidate Starts for Khan1_50:
(11, 45351), (12, 45306), (19, 45264), (28, 45183), (40, 45138), (Start: 75 @44973 has 243 MA's), (Start: 76 @44970 has 85 MA's), (Start: 77 @44964 has 2 MA's), (82, 44922), (93, 44850), (99, 44829), (118, 44733), (131, 44682), (139, 44616), (140, 44613), (145, 44562), (157, 44496), (161, 44484), (169, 44448), (183, 44403), (188, 44373), (195, 44334), (199, 44295), (203, 44262), (204, 44259), (208, 44235), (216, 44202), (219, 44181), (225, 44151), (243, 44037), (247, 43995), (248,

43974), (251, 43941), (261, 43869), (263, 43863), (271, 43815), (280, 43770), (285, 43746), (288, 43731), (290, 43707),

Gene: Kheth_50 Start: 44886, Stop: 43519, Start Num: 76
Candidate Starts for Kheth_50:
(Start: 76 @44886 has 85 MA's), (83, 44823), (85, 44808), (109, 44697), (Start: 117 @44646 has 5 MA's), (130, 44598), (135, 44550), (154, 44409), (157, 44400), (175, 44355), (177, 44349), (178, 44343), (183, 44331), (199, 44226), (203, 44193), (208, 44166), (216, 44133), (221, 44106), (225, 44082), (229, 44055), (235, 44028), (244, 43953), (248, 43908), (251, 43875), (258, 43854), (260, 43848), (266, 43815), (269, 43797), (296, 43635), (297, 43617), (302, 43560),

Gene: Kikipoo_52 Start: 45386, Stop: 43983, Start Num: 75
Candidate Starts for Kikipoo_52:
(11, 45764), (12, 45719), (19, 45677), (28, 45596), (40, 45551), (Start: 75 @45386 has 243 MA's), (Start: 76 @45383 has 85 MA's), (Start: 77 @45377 has 2 MA's), (82, 45335), (93, 45263), (99, 45242), (118, 45146), (131, 45095), (139, 45029), (140, 45026), (145, 44975), (157, 44909), (161, 44897), (169, 44861), (183, 44816), (188, 44786), (195, 44747), (199, 44708), (203, 44675), (204, 44672), (208, 44648), (216, 44615), (219, 44594), (225, 44564), (243, 44450), (247, 44408), (248, 44387), (251, 44354), (261, 44282), (263, 44276), (271, 44228), (280, 44183), (285, 44159), (288, 44144), (290, 44120),

Gene: Kimbrough_51 Start: 44959, Stop: 43556, Start Num: 75
Candidate Starts for Kimbrough_51:
(40, 45124), (Start: 75 @44959 has 243 MA's), (Start: 76 @44956 has 85 MA's), (Start: 77 @44950 has 2 MA's), (82, 44908), (93, 44836), (99, 44815), (118, 44719), (131, 44668), (139, 44602), (140, 44599), (143, 44575), (145, 44548), (157, 44482), (161, 44470), (169, 44434), (183, 44389), (188, 44359), (195, 44320), (199, 44281), (203, 44248), (204, 44245), (208, 44221), (216, 44188), (219, 44167), (225, 44137), (243, 44023), (247, 43981), (248, 43960), (251, 43927), (261, 43855), (263, 43849), (271, 43801), (280, 43756), (285, 43732), (288, 43717), (290, 43693),

Gene: KingTut_42 Start: 40622, Stop: 39219, Start Num: 75
Candidate Starts for KingTut_42:
(40, 40787), (Start: 75 @40622 has 243 MA's), (Start: 76 @40619 has 85 MA's), (Start: 77 @40613 has 2 MA's), (82, 40571), (93, 40499), (99, 40478), (118, 40382), (131, 40331), (139, 40265), (140, 40262), (145, 40211), (157, 40145), (161, 40133), (169, 40097), (183, 40052), (188, 40022), (195, 39983), (199, 39944), (203, 39911), (204, 39908), (206, 39902), (208, 39884), (216, 39851), (219, 39830), (225, 39800), (243, 39686), (247, 39644), (248, 39623), (251, 39590), (261, 39518), (263, 39512), (271, 39464), (280, 39419), (285, 39395), (288, 39380), (290, 39356),

Gene: KingVeVeVe_51 Start: 45227, Stop: 43827, Start Num: 76
Candidate Starts for KingVeVeVe_51:
(11, 45608), (12, 45563), (19, 45521), (28, 45440), (40, 45395), (Start: 75 @45230 has 243 MA's), (Start: 76 @45227 has 85 MA's), (Start: 77 @45221 has 2 MA's), (82, 45179), (93, 45107), (99, 45086), (118, 44990), (131, 44939), (139, 44873), (140, 44870), (145, 44819), (157, 44753), (161, 44741), (169, 44705), (183, 44660), (188, 44630), (195, 44591), (199, 44552), (203, 44519), (204, 44516), (208, 44492), (216, 44459), (219, 44438), (225, 44408), (243, 44294), (247, 44252), (248, 44231), (251, 44198), (261, 44126), (263, 44120), (271, 44072), (280, 44027), (285, 44003), (288, 43988), (290, 43964),

Gene: Kiwot_51 Start: 44822, Stop: 43419, Start Num: 72
Candidate Starts for Kiwot_51:
(11, 45197), (12, 45152), (19, 45110), (28, 45029), (40, 44984), (Start: 72 @44822 has 35 MA's), (Start: 76 @44819 has 85 MA's), (82, 44771), (93, 44699), (99, 44678), (118, 44582), (131, 44531),

(139, 44465), (140, 44462), (143, 44438), (145, 44411), (157, 44345), (161, 44333), (169, 44297), (183, 44252), (188, 44222), (195, 44183), (199, 44144), (203, 44111), (204, 44108), (208, 44084), (216, 44051), (219, 44030), (225, 44000), (243, 43886), (247, 43844), (248, 43823), (251, 43790), (261, 43718), (263, 43712), (271, 43664), (280, 43619), (285, 43595), (288, 43580), (290, 43556),

Gene: KlimbOn_51 Start: 45248, Stop: 43845, Start Num: 75
Candidate Starts for KlimbOn_51:
(11, 45626), (12, 45581), (19, 45539), (28, 45458), (40, 45413), (Start: 75 @45248 has 243 MA's), (Start: 76 @45245 has 85 MA's), (Start: 77 @45239 has 2 MA's), (82, 45197), (93, 45125), (99, 45104), (118, 45008), (131, 44957), (139, 44891), (140, 44888), (143, 44864), (145, 44837), (157, 44771), (161, 44759), (169, 44723), (183, 44678), (188, 44648), (195, 44609), (199, 44570), (203, 44537), (204, 44534), (208, 44510), (216, 44477), (219, 44456), (225, 44426), (247, 44270), (248, 44249), (251, 44216), (261, 44144), (263, 44138), (271, 44090), (280, 44045), (285, 44021), (288, 44006), (290, 43982),

Gene: Kloppinator_52 Start: 45661, Stop: 44258, Start Num: 75
Candidate Starts for Kloppinator_52:
(11, 46039), (12, 45994), (19, 45952), (28, 45871), (40, 45826), (Start: 75 @45661 has 243 MA's), (Start: 76 @45658 has 85 MA's), (Start: 77 @45652 has 2 MA's), (82, 45610), (93, 45538), (99, 45517), (118, 45421), (131, 45370), (139, 45304), (140, 45301), (145, 45250), (157, 45184), (161, 45172), (169, 45136), (183, 45091), (188, 45061), (195, 45022), (199, 44983), (203, 44950), (204, 44947), (208, 44923), (216, 44890), (219, 44869), (225, 44839), (243, 44725), (247, 44683), (248, 44662), (251, 44629), (261, 44557), (263, 44551), (271, 44503), (280, 44458), (285, 44434), (288, 44419), (290, 44395),

Gene: Knocker_52 Start: 47486, Stop: 46047, Start Num: 76
Candidate Starts for Knocker_52:
(22, 47720), (24, 47714), (42, 47633), (Start: 76 @47486 has 85 MA's), (Start: 77 @47480 has 2 MA's), (82, 47438), (106, 47279), (107, 47276), (108, 47270), (118, 47195), (132, 47132), (145, 47024), (162, 46943), (163, 46940), (180, 46886), (187, 46865), (191, 46832), (193, 46823), (198, 46784), (202, 46745), (204, 46736), (207, 46721), (209, 46709), (211, 46697), (217, 46676), (219, 46658), (221, 46652), (222, 46640), (227, 46607), (232, 46562), (237, 46529), (239, 46514), (242, 46499), (243, 46481), (244, 46466), (245, 46454), (248, 46418), (251, 46385), (258, 46364), (261, 46352), (263, 46346), (279, 46256), (283, 46235), (285, 46229), (289, 46208), (294, 46163), (299, 46106), (302, 46070),

Gene: Kolhan_50 Start: 44850, Stop: 43483, Start Num: 76
Candidate Starts for Kolhan_50:
(Start: 76 @44850 has 85 MA's), (83, 44787), (85, 44772), (109, 44661), (Start: 117 @44610 has 5 MA's), (130, 44562), (135, 44514), (154, 44373), (157, 44364), (175, 44319), (177, 44313), (178, 44307), (183, 44295), (199, 44190), (203, 44157), (208, 44130), (216, 44097), (221, 44070), (225, 44046), (229, 44019), (235, 43992), (244, 43917), (248, 43872), (251, 43839), (258, 43818), (260, 43812), (266, 43779), (267, 43770), (269, 43761), (296, 43599), (297, 43581), (302, 43524),

Gene: Kronus_48 Start: 45468, Stop: 43846, Start Num: 33
Candidate Starts for Kronus_48:
(14, 45585), (15, 45579), (17, 45564), (Start: 33 @45468 has 9 MA's), (Start: 35 @45459 has 43 MA's), (56, 45363), (74, 45285), (91, 45150), (Start: 117 @44991 has 5 MA's), (123, 44976), (125, 44964), (131, 44934), (137, 44892), (145, 44814), (174, 44682), (180, 44649), (183, 44640), (198, 44547), (204, 44499), (207, 44484), (208, 44475), (221, 44415), (225, 44391), (242, 44301), (251, 44190), (261, 44157), (262, 44154), (264, 44139), (268, 44118), (274, 44085),

Gene: Kwadwo_50 Start: 44934, Stop: 43531, Start Num: 75

Candidate Starts for Kwadwo_50:
(11, 45312), (12, 45267), (19, 45225), (28, 45144), (40, 45099), (Start: 75 @44934 has 243 MA's), (Start: 76 @44931 has 85 MA's), (Start: 77 @44925 has 2 MA's), (82, 44883), (93, 44811), (99, 44790), (118, 44694), (131, 44643), (139, 44577), (140, 44574), (145, 44523), (157, 44457), (161, 44445), (169, 44409), (183, 44364), (188, 44334), (195, 44295), (199, 44256), (203, 44223), (204, 44220), (208, 44196), (216, 44163), (219, 44142), (225, 44112), (243, 43998), (247, 43956), (248, 43935), (251, 43902), (261, 43830), (263, 43824), (271, 43776), (280, 43731), (285, 43707), (288, 43692), (290, 43668),

Gene: Kwksand96_50 Start: 44809, Stop: 43406, Start Num: 75
Candidate Starts for Kwksand96_50:
(40, 44974), (Start: 75 @44809 has 243 MA's), (Start: 76 @44806 has 85 MA's), (Start: 77 @44800 has 2 MA's), (82, 44758), (93, 44686), (99, 44665), (118, 44569), (131, 44518), (139, 44452), (140, 44449), (145, 44398), (157, 44332), (161, 44320), (169, 44284), (183, 44239), (188, 44209), (195, 44170), (199, 44131), (203, 44098), (204, 44095), (206, 44089), (208, 44071), (216, 44038), (219, 44017), (225, 43987), (243, 43873), (247, 43831), (248, 43810), (251, 43777), (261, 43705), (263, 43699), (271, 43651), (280, 43606), (285, 43582), (288, 43567), (290, 43543),

Gene: Labeouficaum_50 Start: 44804, Stop: 43401, Start Num: 75
Candidate Starts for Labeouficaum_50:
(11, 45182), (12, 45137), (19, 45095), (28, 45014), (40, 44969), (Start: 75 @44804 has 243 MA's), (Start: 76 @44801 has 85 MA's), (Start: 77 @44795 has 2 MA's), (82, 44753), (93, 44681), (99, 44660), (118, 44564), (131, 44513), (139, 44447), (140, 44444), (145, 44393), (157, 44327), (161, 44315), (169, 44279), (183, 44234), (188, 44204), (195, 44165), (199, 44126), (203, 44093), (204, 44090), (206, 44084), (208, 44066), (216, 44033), (219, 44012), (225, 43982), (243, 43868), (247, 43826), (248, 43805), (251, 43772), (261, 43700), (263, 43694), (271, 43646), (280, 43601), (285, 43577), (288, 43562), (290, 43538),

Gene: Lambano_45 Start: 44684, Stop: 43344, Start Num: 75
Candidate Starts for Lambano_45:
(Start: 72 @44687 has 35 MA's), (Start: 75 @44684 has 243 MA's), (Start: 77 @44675 has 2 MA's), (78, 44669), (84, 44618), (115, 44471), (131, 44405), (133, 44381), (157, 44219), (163, 44201), (165, 44186), (166, 44183), (173, 44156), (189, 44093), (191, 44084), (202, 43997), (207, 43973), (216, 43931), (217, 43928), (219, 43910), (225, 43880), (232, 43853), (237, 43820), (241, 43799), (242, 43790), (245, 43745), (246, 43739), (247, 43730), (248, 43709), (251, 43676), (263, 43637), (274, 43571), (275, 43568), (289, 43499), (290, 43481),

Gene: Lars_50 Start: 44957, Stop: 43590, Start Num: 76
Candidate Starts for Lars_50:
(Start: 76 @44957 has 85 MA's), (83, 44894), (85, 44879), (109, 44768), (Start: 117 @44717 has 5 MA's), (130, 44669), (135, 44621), (154, 44480), (157, 44471), (175, 44426), (177, 44420), (178, 44414), (183, 44402), (199, 44297), (203, 44264), (207, 44246), (208, 44237), (216, 44204), (221, 44177), (225, 44153), (229, 44126), (235, 44099), (244, 44024), (248, 43979), (251, 43946), (258, 43925), (260, 43919), (266, 43886), (269, 43868), (296, 43706), (297, 43688), (302, 43631),

Gene: Larson_53 Start: 45356, Stop: 43953, Start Num: 72
Candidate Starts for Larson_53:
(40, 45518), (Start: 72 @45356 has 35 MA's), (Start: 76 @45353 has 85 MA's), (82, 45305), (93, 45233), (99, 45212), (118, 45116), (131, 45065), (139, 44999), (140, 44996), (143, 44972), (145, 44945), (157, 44879), (161, 44867), (169, 44831), (183, 44786), (188, 44756), (195, 44717), (199, 44678), (203, 44645), (204, 44642), (208, 44618), (216, 44585), (219, 44564), (225, 44534), (243, 44420), (247, 44378), (248, 44357), (251, 44324), (261, 44252), (263, 44246), (271, 44198), (280, 44153), (285, 44129), (288, 44114), (290, 44090),

Gene: LasagnaCat_52 Start: 45380, Stop: 43977, Start Num: 75
Candidate Starts for LasagnaCat_52:
(40, 45545), (Start: 75 @45380 has 243 MA's), (Start: 76 @45377 has 85 MA's), (Start: 77 @45371 has 2 MA's), (82, 45329), (93, 45257), (99, 45236), (118, 45140), (131, 45089), (139, 45023), (140, 45020), (145, 44969), (157, 44903), (161, 44891), (169, 44855), (183, 44810), (188, 44780), (195, 44741), (199, 44702), (203, 44669), (204, 44666), (208, 44642), (216, 44609), (219, 44588), (225, 44558), (243, 44444), (247, 44402), (248, 44381), (251, 44348), (261, 44276), (263, 44270), (271, 44222), (280, 44177), (285, 44153), (288, 44138), (290, 44114),

Gene: Lasso_51 Start: 45209, Stop: 43806, Start Num: 75
Candidate Starts for Lasso_51:
(11, 45587), (12, 45542), (19, 45500), (28, 45419), (40, 45374), (Start: 75 @45209 has 243 MA's), (Start: 76 @45206 has 85 MA's), (Start: 77 @45200 has 2 MA's), (82, 45158), (93, 45086), (99, 45065), (118, 44969), (131, 44918), (139, 44852), (140, 44849), (145, 44798), (157, 44732), (161, 44720), (169, 44684), (183, 44639), (188, 44609), (195, 44570), (199, 44531), (203, 44498), (204, 44495), (208, 44471), (216, 44438), (219, 44417), (225, 44387), (243, 44273), (247, 44231), (248, 44210), (251, 44177), (261, 44105), (263, 44099), (271, 44051), (280, 44006), (285, 43982), (288, 43967), (290, 43943),

Gene: Laurie_49 Start: 44345, Stop: 42978, Start Num: 76
Candidate Starts for Laurie_49:
(Start: 76 @44345 has 85 MA's), (83, 44282), (85, 44267), (109, 44156), (Start: 117 @44105 has 5 MA's), (130, 44057), (135, 44009), (152, 43874), (154, 43868), (157, 43859), (175, 43814), (177, 43808), (178, 43802), (183, 43790), (199, 43685), (203, 43652), (205, 43646), (208, 43625), (216, 43592), (221, 43565), (225, 43541), (229, 43514), (235, 43487), (244, 43412), (248, 43367), (251, 43334), (258, 43313), (260, 43307), (266, 43274), (269, 43256), (289, 43157), (296, 43094), (297, 43076), (302, 43019),

Gene: LeeLot_51 Start: 45258, Stop: 43858, Start Num: 76
Candidate Starts for LeeLot_51:
(40, 45426), (Start: 75 @45261 has 243 MA's), (Start: 76 @45258 has 85 MA's), (Start: 77 @45252 has 2 MA's), (82, 45210), (93, 45138), (99, 45117), (118, 45021), (131, 44970), (139, 44904), (140, 44901), (143, 44877), (145, 44850), (157, 44784), (161, 44772), (169, 44736), (183, 44691), (188, 44661), (195, 44622), (199, 44583), (203, 44550), (204, 44547), (208, 44523), (216, 44490), (219, 44469), (225, 44439), (243, 44325), (247, 44283), (248, 44262), (251, 44229), (261, 44157), (263, 44151), (271, 44103), (280, 44058), (285, 44034), (288, 44019), (290, 43995),

Gene: Lego3393_50 Start: 45389, Stop: 43986, Start Num: 75
Candidate Starts for Lego3393_50:
(11, 45767), (12, 45722), (19, 45680), (28, 45599), (40, 45554), (Start: 75 @45389 has 243 MA's), (Start: 76 @45386 has 85 MA's), (Start: 77 @45380 has 2 MA's), (82, 45338), (93, 45266), (99, 45245), (118, 45149), (131, 45098), (139, 45032), (140, 45029), (145, 44978), (157, 44912), (161, 44900), (169, 44864), (183, 44819), (188, 44789), (195, 44750), (199, 44711), (203, 44678), (204, 44675), (208, 44651), (216, 44618), (219, 44597), (225, 44567), (243, 44453), (247, 44411), (248, 44390), (251, 44357), (261, 44285), (263, 44279), (271, 44231), (280, 44186), (285, 44162), (288, 44147), (290, 44123),

Gene: Legolas_51 Start: 44976, Stop: 43576, Start Num: 76
Candidate Starts for Legolas_51:
(11, 45357), (12, 45312), (19, 45270), (28, 45189), (40, 45144), (Start: 75 @44979 has 243 MA's), (Start: 76 @44976 has 85 MA's), (Start: 77 @44970 has 2 MA's), (82, 44928), (93, 44856), (99, 44835), (118, 44739), (131, 44688), (139, 44622), (140, 44619), (145, 44568), (157, 44502), (161,

44490), (169, 44454), (183, 44409), (188, 44379), (195, 44340), (199, 44301), (203, 44268), (204, 44265), (208, 44241), (216, 44208), (219, 44187), (225, 44157), (243, 44043), (247, 44001), (248, 43980), (251, 43947), (261, 43875), (263, 43869), (271, 43821), (280, 43776), (285, 43752), (288, 43737), (290, 43713),

Gene: Lehmann_51 Start: 44791, Stop: 43388, Start Num: 75
Candidate Starts for Lehmann_51:
(11, 45169), (12, 45124), (19, 45082), (28, 45001), (40, 44956), (Start: 75 @44791 has 243 MA's), (Start: 76 @44788 has 85 MA's), (Start: 77 @44782 has 2 MA's), (82, 44740), (93, 44668), (99, 44647), (118, 44551), (131, 44500), (139, 44434), (140, 44431), (145, 44380), (157, 44314), (161, 44302), (169, 44266), (183, 44221), (188, 44191), (195, 44152), (199, 44113), (203, 44080), (204, 44077), (208, 44053), (216, 44020), (219, 43999), (225, 43969), (243, 43855), (247, 43813), (248, 43792), (251, 43759), (261, 43687), (263, 43681), (271, 43633), (280, 43588), (285, 43564), (288, 43549), (290, 43525),

Gene: LeiMonet_51 Start: 44941, Stop: 43538, Start Num: 75
Candidate Starts for LeiMonet_51:
(11, 45319), (12, 45274), (19, 45232), (28, 45151), (40, 45106), (Start: 75 @44941 has 243 MA's), (Start: 76 @44938 has 85 MA's), (Start: 77 @44932 has 2 MA's), (82, 44890), (93, 44818), (99, 44797), (118, 44701), (131, 44650), (139, 44584), (140, 44581), (145, 44530), (157, 44464), (161, 44452), (169, 44416), (183, 44371), (188, 44341), (195, 44302), (199, 44263), (203, 44230), (204, 44227), (208, 44203), (216, 44170), (219, 44149), (225, 44119), (243, 44005), (247, 43963), (248, 43942), (251, 43909), (261, 43837), (263, 43831), (271, 43783), (280, 43738), (285, 43714), (288, 43699), (290, 43675),

Gene: LemonSlice_51 Start: 44946, Stop: 43543, Start Num: 75
Candidate Starts for LemonSlice_51:
(11, 45324), (12, 45279), (19, 45237), (28, 45156), (40, 45111), (Start: 75 @44946 has 243 MA's), (Start: 76 @44943 has 85 MA's), (Start: 77 @44937 has 2 MA's), (82, 44895), (93, 44823), (99, 44802), (118, 44706), (131, 44655), (139, 44589), (140, 44586), (145, 44535), (157, 44469), (161, 44457), (169, 44421), (183, 44376), (188, 44346), (195, 44307), (199, 44268), (203, 44235), (204, 44232), (208, 44208), (216, 44175), (219, 44154), (225, 44124), (243, 44010), (247, 43968), (248, 43947), (251, 43914), (261, 43842), (263, 43836), (271, 43788), (280, 43743), (285, 43719), (288, 43704), (290, 43680),

Gene: Lephleur_50 Start: 44863, Stop: 43496, Start Num: 76
Candidate Starts for Lephleur_50:
(Start: 76 @44863 has 85 MA's), (83, 44800), (85, 44785), (109, 44674), (Start: 117 @44623 has 5 MA's), (130, 44575), (135, 44527), (154, 44386), (157, 44377), (175, 44332), (177, 44326), (178, 44320), (183, 44308), (199, 44203), (203, 44170), (208, 44143), (216, 44110), (221, 44083), (225, 44059), (229, 44032), (235, 44005), (244, 43930), (248, 43885), (251, 43852), (258, 43831), (260, 43825), (266, 43792), (269, 43774), (296, 43612), (297, 43594), (302, 43537),

Gene: LestyG_49 Start: 44887, Stop: 43265, Start Num: 33
Candidate Starts for LestyG_49:
(14, 45004), (15, 44998), (17, 44983), (Start: 33 @44887 has 9 MA's), (Start: 35 @44878 has 43 MA's), (56, 44782), (74, 44704), (91, 44569), (Start: 117 @44410 has 5 MA's), (123, 44395), (125, 44383), (131, 44353), (137, 44311), (145, 44233), (174, 44101), (180, 44068), (183, 44059), (198, 43966), (204, 43918), (207, 43903), (208, 43894), (221, 43834), (225, 43810), (242, 43720), (251, 43609), (261, 43576), (262, 43573), (264, 43558), (268, 43537), (274, 43504),

Gene: Ligma_44 Start: 37982, Stop: 36669, Start Num: 38
Candidate Starts for Ligma_44:

(Start: 37 @37985 has 1 MA's), (Start: 38 @37982 has 3 MA's), (Start: 117 @37823 has 5 MA's), (121, 37817), (131, 37766), (180, 37511), (186, 37490), (194, 37445), (196, 37433), (216, 37304), (221, 37277), (225, 37253), (233, 37223), (234, 37205), (237, 37193), (242, 37163), (244, 37130), (248, 37085), (251, 37052), (258, 37019), (260, 36992), (268, 36947), (269, 36941), (274, 36914), (275, 36911), (285, 36863), (302, 36701),

Gene: LilMcDreamy_48 Start: 45351, Stop: 43921, Start Num: 65
Candidate Starts for LilMcDreamy_48:
(Start: 65 @45351 has 1 MA's), (118, 45084), (145, 44913), (163, 44835), (164, 44829), (180, 44775), (196, 44697), (198, 44673), (199, 44661), (208, 44601), (221, 44541), (225, 44517), (226, 44514), (234, 44469), (245, 44382), (251, 44316), (253, 44298), (260, 44235), (261, 44229), (268, 44190), (269, 44184), (274, 44157), (286, 44100), (294, 44031),

Gene: LilSmirk_50 Start: 44860, Stop: 43493, Start Num: 76
Candidate Starts for LilSmirk_50:
(Start: 76 @44860 has 85 MA's), (83, 44797), (85, 44782), (109, 44671), (Start: 117 @44620 has 5 MA's), (130, 44572), (135, 44524), (154, 44383), (157, 44374), (175, 44329), (177, 44323), (178, 44317), (183, 44305), (199, 44200), (203, 44167), (208, 44140), (216, 44107), (221, 44080), (225, 44056), (229, 44029), (235, 44002), (244, 43927), (248, 43882), (251, 43849), (258, 43828), (260, 43822), (266, 43789), (269, 43771), (296, 43609), (297, 43591), (302, 43534),

Gene: LittleDigger_45 Start: 44700, Stop: 43360, Start Num: 75
Candidate Starts for LittleDigger_45:
(Start: 72 @44703 has 35 MA's), (Start: 75 @44700 has 243 MA's), (Start: 77 @44691 has 2 MA's), (78, 44685), (84, 44634), (115, 44487), (131, 44421), (133, 44397), (157, 44235), (163, 44217), (165, 44202), (166, 44199), (173, 44172), (189, 44109), (191, 44100), (202, 44013), (204, 44004), (207, 43989), (216, 43947), (217, 43944), (219, 43926), (222, 43908), (225, 43896), (232, 43869), (237, 43836), (241, 43815), (242, 43806), (245, 43761), (246, 43755), (247, 43746), (248, 43725), (251, 43692), (263, 43653), (274, 43587), (275, 43584), (289, 43515), (290, 43497),

Gene: LittleMinkey_56 Start: 45156, Stop: 43636, Start Num: 45
Candidate Starts for LittleMinkey_56:
(Start: 45 @45156 has 1 MA's), (58, 45105), (71, 45027), (87, 44925), (119, 44763), (131, 44715), (145, 44595), (146, 44586), (157, 44529), (170, 44475), (171, 44472), (195, 44367), (196, 44364), (204, 44292), (208, 44268), (220, 44211), (237, 44118), (248, 44001), (251, 43968), (252, 43959), (260, 43941), (263, 43929), (277, 43851), (285, 43812), (304, 43644),

Gene: LittleMunchkin_46 Start: 41233, Stop: 39968, Start Num: 41
Candidate Starts for LittleMunchkin_46:
(Start: 41 @41233 has 6 MA's), (54, 41194), (Start: 117 @41107 has 5 MA's), (121, 41101), (125, 41080), (131, 41050), (170, 40819), (186, 40774), (196, 40717), (199, 40681), (203, 40648), (204, 40645), (207, 40630), (208, 40621), (211, 40606), (212, 40603), (216, 40588), (221, 40561), (225, 40537), (245, 40402), (248, 40369), (251, 40336), (254, 40327), (258, 40303), (259, 40291), (260, 40276), (269, 40225), (274, 40198), (295, 40075), (297, 40042),

Gene: LizLemon_50 Start: 44979, Stop: 43612, Start Num: 76
Candidate Starts for LizLemon_50:
(Start: 76 @44979 has 85 MA's), (83, 44916), (85, 44901), (109, 44790), (Start: 117 @44739 has 5 MA's), (130, 44691), (135, 44643), (154, 44502), (157, 44493), (175, 44448), (177, 44442), (178, 44436), (183, 44424), (199, 44319), (203, 44286), (207, 44268), (208, 44259), (216, 44226), (221, 44199), (225, 44175), (229, 44148), (235, 44121), (244, 44046), (248, 44001), (251, 43968), (258, 43947), (260, 43941), (266, 43908), (269, 43890), (296, 43728), (297, 43710), (302, 43653),

Gene: Lolalove_47 Start: 45711, Stop: 44371, Start Num: 75
Candidate Starts for Lolalove_47:
(Start: 72 @45714 has 35 MA's), (Start: 75 @45711 has 243 MA's), (Start: 77 @45702 has 2 MA's), (78, 45696), (84, 45645), (115, 45498), (126, 45453), (131, 45432), (148, 45291), (151, 45267), (157, 45246), (158, 45243), (163, 45228), (165, 45213), (187, 45144), (188, 45129), (191, 45111), (196, 45087), (204, 45015), (208, 44991), (216, 44958), (217, 44955), (219, 44937), (225, 44907), (237, 44847), (240, 44829), (242, 44817), (245, 44772), (246, 44766), (247, 44757), (250, 44727), (251, 44703), (263, 44664), (270, 44619), (274, 44598), (275, 44595), (289, 44526), (290, 44508),

Gene: Longacauda_50 Start: 44942, Stop: 43539, Start Num: 75
Candidate Starts for Longacauda_50:
(11, 45320), (12, 45275), (19, 45233), (28, 45152), (40, 45107), (Start: 75 @44942 has 243 MA's), (Start: 76 @44939 has 85 MA's), (Start: 77 @44933 has 2 MA's), (82, 44891), (93, 44819), (99, 44798), (118, 44702), (131, 44651), (139, 44585), (140, 44582), (145, 44531), (157, 44465), (161, 44453), (169, 44417), (183, 44372), (188, 44342), (195, 44303), (199, 44264), (203, 44231), (204, 44228), (208, 44204), (216, 44171), (219, 44150), (225, 44120), (243, 44006), (247, 43964), (248, 43943), (251, 43910), (261, 43838), (263, 43832), (271, 43784), (280, 43739), (285, 43715), (288, 43700), (290, 43676),

Gene: Lopsy_50 Start: 44807, Stop: 43404, Start Num: 75
Candidate Starts for Lopsy_50:
(11, 45185), (12, 45140), (19, 45098), (28, 45017), (40, 44972), (Start: 75 @44807 has 243 MA's), (Start: 76 @44804 has 85 MA's), (Start: 77 @44798 has 2 MA's), (82, 44756), (93, 44684), (99, 44663), (118, 44567), (131, 44516), (139, 44450), (140, 44447), (145, 44396), (157, 44330), (161, 44318), (169, 44282), (183, 44237), (188, 44207), (195, 44168), (199, 44129), (203, 44096), (204, 44093), (208, 44069), (216, 44036), (219, 44015), (225, 43985), (243, 43871), (247, 43829), (248, 43808), (251, 43775), (261, 43703), (263, 43697), (280, 43604), (285, 43580), (288, 43565), (290, 43541),

Gene: LostAndPhound_50 Start: 44961, Stop: 43558, Start Num: 75
Candidate Starts for LostAndPhound_50:
(11, 45339), (12, 45294), (19, 45252), (28, 45171), (40, 45126), (Start: 75 @44961 has 243 MA's), (Start: 76 @44958 has 85 MA's), (Start: 77 @44952 has 2 MA's), (82, 44910), (93, 44838), (99, 44817), (118, 44721), (131, 44670), (139, 44604), (140, 44601), (145, 44550), (157, 44484), (161, 44472), (169, 44436), (183, 44391), (188, 44361), (195, 44322), (199, 44283), (203, 44250), (204, 44247), (208, 44223), (216, 44190), (219, 44169), (225, 44139), (243, 44025), (247, 43983), (248, 43962), (251, 43929), (261, 43857), (263, 43851), (271, 43803), (280, 43758), (285, 43734), (288, 43719), (290, 43695),

Gene: LuckyMarjie_50 Start: 44949, Stop: 43546, Start Num: 75
Candidate Starts for LuckyMarjie_50:
(40, 45114), (Start: 75 @44949 has 243 MA's), (Start: 76 @44946 has 85 MA's), (Start: 77 @44940 has 2 MA's), (82, 44898), (93, 44826), (99, 44805), (118, 44709), (131, 44658), (139, 44592), (140, 44589), (145, 44538), (157, 44472), (161, 44460), (169, 44424), (183, 44379), (188, 44349), (195, 44310), (199, 44271), (203, 44238), (204, 44235), (208, 44211), (216, 44178), (219, 44157), (225, 44127), (243, 44013), (247, 43971), (248, 43950), (251, 43917), (261, 43845), (263, 43839), (271, 43791), (280, 43746), (285, 43722), (288, 43707), (290, 43683),

Gene: Lulumae_50 Start: 44931, Stop: 43531, Start Num: 76
Candidate Starts for Lulumae_50:
(40, 45099), (Start: 75 @44934 has 243 MA's), (Start: 76 @44931 has 85 MA's), (Start: 77 @44925 has 2 MA's), (82, 44883), (93, 44811), (99, 44790), (118, 44694), (131, 44643), (139, 44577), (140, 44574), (145, 44523), (157, 44457), (161, 44445), (169, 44409), (183, 44364), (188, 44334), (195,

44295), (199, 44256), (203, 44223), (204, 44220), (208, 44196), (216, 44163), (219, 44142), (225, 44112), (243, 43998), (247, 43956), (248, 43935), (251, 43902), (261, 43830), (263, 43824), (271, 43776), (280, 43731), (285, 43707), (288, 43692), (290, 43668),

Gene: Lulwa_51 Start: 45227, Stop: 43824, Start Num: 75
Candidate Starts for Lulwa_51:
(40, 45392), (Start: 75 @45227 has 243 MA's), (Start: 76 @45224 has 85 MA's), (Start: 77 @45218 has 2 MA's), (82, 45176), (93, 45104), (99, 45083), (118, 44987), (131, 44936), (139, 44870), (140, 44867), (145, 44816), (157, 44750), (161, 44738), (169, 44702), (183, 44657), (188, 44627), (195, 44588), (199, 44549), (203, 44516), (204, 44513), (208, 44489), (216, 44456), (219, 44435), (225, 44405), (243, 44291), (247, 44249), (248, 44228), (251, 44195), (261, 44123), (263, 44117), (271, 44069), (280, 44024), (285, 44000), (288, 43985), (290, 43961),

Gene: Lumine_50 Start: 44930, Stop: 43527, Start Num: 75
Candidate Starts for Lumine_50:
(40, 45095), (Start: 75 @44930 has 243 MA's), (Start: 76 @44927 has 85 MA's), (Start: 77 @44921 has 2 MA's), (82, 44879), (93, 44807), (99, 44786), (118, 44690), (131, 44639), (139, 44573), (140, 44570), (145, 44519), (157, 44453), (161, 44441), (169, 44405), (183, 44360), (188, 44330), (195, 44291), (199, 44252), (203, 44219), (204, 44216), (206, 44210), (208, 44192), (216, 44159), (219, 44138), (225, 44108), (243, 43994), (247, 43952), (248, 43931), (251, 43898), (261, 43826), (263, 43820), (271, 43772), (280, 43727), (285, 43703), (288, 43688), (290, 43664),

Gene: MRabcd_50 Start: 44940, Stop: 43537, Start Num: 75
Candidate Starts for MRabcd_50:
(11, 45318), (12, 45273), (19, 45231), (28, 45150), (40, 45105), (Start: 75 @44940 has 243 MA's), (Start: 76 @44937 has 85 MA's), (Start: 77 @44931 has 2 MA's), (82, 44889), (93, 44817), (99, 44796), (118, 44700), (131, 44649), (139, 44583), (140, 44580), (145, 44529), (157, 44463), (161, 44451), (169, 44415), (183, 44370), (188, 44340), (195, 44301), (199, 44262), (203, 44229), (204, 44226), (208, 44202), (216, 44169), (219, 44148), (225, 44118), (243, 44004), (247, 43962), (248, 43941), (251, 43908), (261, 43836), (263, 43830), (271, 43782), (280, 43737), (285, 43713), (288, 43698), (290, 43674),

Gene: Mag7_50 Start: 44864, Stop: 43461, Start Num: 75
Candidate Starts for Mag7_50:
(40, 45029), (Start: 75 @44864 has 243 MA's), (Start: 76 @44861 has 85 MA's), (Start: 77 @44855 has 2 MA's), (82, 44813), (93, 44741), (99, 44720), (118, 44624), (131, 44573), (139, 44507), (140, 44504), (145, 44453), (157, 44387), (161, 44375), (169, 44339), (183, 44294), (188, 44264), (195, 44225), (199, 44186), (203, 44153), (204, 44150), (206, 44144), (208, 44126), (216, 44093), (219, 44072), (225, 44042), (243, 43928), (247, 43886), (248, 43865), (251, 43832), (261, 43760), (263, 43754), (271, 43706), (280, 43661), (285, 43637), (288, 43622), (290, 43598),

Gene: Magic8_51 Start: 45299, Stop: 43896, Start Num: 75
Candidate Starts for Magic8_51:
(40, 45464), (Start: 75 @45299 has 243 MA's), (Start: 76 @45296 has 85 MA's), (Start: 77 @45290 has 2 MA's), (82, 45248), (93, 45176), (99, 45155), (118, 45059), (131, 45008), (139, 44942), (140, 44939), (145, 44888), (157, 44822), (161, 44810), (169, 44774), (183, 44729), (188, 44699), (195, 44660), (199, 44621), (203, 44588), (204, 44585), (206, 44579), (208, 44561), (216, 44528), (219, 44507), (225, 44477), (243, 44363), (247, 44321), (248, 44300), (251, 44267), (261, 44195), (263, 44189), (271, 44141), (280, 44096), (285, 44072), (288, 44057), (290, 44033),

Gene: Magpie_45 Start: 45553, Stop: 44210, Start Num: 72
Candidate Starts for Magpie_45:

(Start: 72 @45553 has 35 MA's), (Start: 75 @45550 has 243 MA's), (Start: 77 @45541 has 2 MA's), (78, 45535), (84, 45484), (115, 45337), (126, 45292), (131, 45271), (148, 45130), (151, 45106), (157, 45085), (158, 45082), (163, 45067), (165, 45052), (187, 44983), (188, 44968), (196, 44926), (204, 44854), (207, 44839), (208, 44830), (216, 44797), (217, 44794), (219, 44776), (225, 44746), (237, 44686), (240, 44668), (242, 44656), (245, 44611), (246, 44605), (247, 44596), (250, 44566), (251, 44542), (263, 44503), (270, 44458), (274, 44437), (275, 44434), (289, 44365), (290, 44347),

Gene: MakoManhole_47 Start: 40329, Stop: 38938, Start Num: 21
Candidate Starts for MakoManhole_47:
(3, 40668), (4, 40644), (7, 40533), (9, 40488), (Start: 21 @40329 has 7 MA's), (26, 40302), (Start: 41 @40251 has 6 MA's), (80, 40107), (121, 40101), (129, 40068), (131, 40050), (134, 40017), (136, 40011), (146, 39921), (160, 39861), (179, 39792), (193, 39729), (201, 39657), (203, 39645), (207, 39627), (208, 39618), (216, 39585), (225, 39534), (233, 39504), (236, 39477), (237, 39474), (248, 39366), (252, 39324), (256, 39291), (260, 39246), (263, 39234), (268, 39201), (269, 39195), (274, 39168),

Gene: Mana_50 Start: 44949, Stop: 43546, Start Num: 75
Candidate Starts for Mana_50:
(11, 45327), (12, 45282), (19, 45240), (28, 45159), (40, 45114), (Start: 75 @44949 has 243 MA's), (Start: 76 @44946 has 85 MA's), (Start: 77 @44940 has 2 MA's), (82, 44898), (93, 44826), (99, 44805), (118, 44709), (131, 44658), (139, 44592), (140, 44589), (145, 44538), (157, 44472), (161, 44460), (169, 44424), (183, 44379), (188, 44349), (195, 44310), (199, 44271), (203, 44238), (204, 44235), (208, 44211), (216, 44178), (219, 44157), (225, 44127), (243, 44013), (247, 43971), (248, 43950), (251, 43917), (261, 43845), (263, 43839), (271, 43791), (280, 43746), (285, 43722), (288, 43707), (290, 43683),

Gene: Manad_51 Start: 45209, Stop: 43806, Start Num: 75
Candidate Starts for Manad_51:
(11, 45587), (12, 45542), (19, 45500), (28, 45419), (40, 45374), (Start: 75 @45209 has 243 MA's), (Start: 76 @45206 has 85 MA's), (Start: 77 @45200 has 2 MA's), (82, 45158), (93, 45086), (99, 45065), (118, 44969), (131, 44918), (139, 44852), (140, 44849), (145, 44798), (157, 44732), (161, 44720), (169, 44684), (183, 44639), (188, 44609), (195, 44570), (199, 44531), (203, 44498), (204, 44495), (208, 44471), (216, 44438), (219, 44417), (225, 44387), (243, 44273), (247, 44231), (248, 44210), (251, 44177), (261, 44105), (263, 44099), (280, 44006), (285, 43982), (288, 43967), (290, 43943),

Gene: Mariokart_44 Start: 37741, Stop: 36515, Start Num: 61
Candidate Starts for Mariokart_44:
(Start: 61 @37741 has 1 MA's), (Start: 117 @37669 has 5 MA's), (125, 37642), (131, 37612), (172, 37375), (180, 37357), (193, 37294), (194, 37291), (196, 37279), (216, 37150), (221, 37123), (225, 37099), (234, 37051), (237, 37039), (242, 37009), (244, 36976), (248, 36931), (251, 36898), (258, 36865), (260, 36838), (268, 36793), (269, 36787), (274, 36760), (275, 36757), (285, 36709), (302, 36547),

Gene: Marley1013_49 Start: 45665, Stop: 44043, Start Num: 33
Candidate Starts for Marley1013_49:
(14, 45782), (15, 45776), (17, 45761), (Start: 33 @45665 has 9 MA's), (Start: 35 @45656 has 43 MA's), (56, 45560), (74, 45482), (91, 45347), (Start: 117 @45188 has 5 MA's), (123, 45173), (125, 45161), (131, 45131), (137, 45089), (145, 45011), (174, 44879), (180, 44846), (183, 44837), (198, 44744), (204, 44696), (207, 44681), (208, 44672), (216, 44639), (221, 44612), (225, 44588), (242, 44498), (251, 44387), (261, 44354), (262, 44351), (264, 44336), (268, 44315), (274, 44282),

Gene: Marlia_49 Start: 44869, Stop: 43247, Start Num: 33

Candidate Starts for Marlia_49:
(14, 44986), (15, 44980), (17, 44965), (Start: 33 @44869 has 9 MA's), (Start: 35 @44860 has 43 MA's), (56, 44764), (74, 44686), (91, 44551), (Start: 117 @44392 has 5 MA's), (123, 44377), (125, 44365), (131, 44335), (137, 44293), (145, 44215), (174, 44083), (180, 44050), (183, 44041), (198, 43948), (204, 43900), (207, 43885), (208, 43876), (216, 43843), (221, 43816), (225, 43792), (242, 43702), (251, 43591), (261, 43558), (264, 43540), (268, 43519), (274, 43486),

Gene: Maru_50 Start: 44889, Stop: 43489, Start Num: 76
Candidate Starts for Maru_50:
(11, 45270), (12, 45225), (19, 45183), (28, 45102), (40, 45057), (Start: 75 @44892 has 243 MA's), (Start: 76 @44889 has 85 MA's), (Start: 77 @44883 has 2 MA's), (82, 44841), (93, 44769), (99, 44748), (118, 44652), (131, 44601), (139, 44535), (140, 44532), (145, 44481), (157, 44415), (161, 44403), (169, 44367), (183, 44322), (188, 44292), (195, 44253), (199, 44214), (203, 44181), (204, 44178), (208, 44154), (216, 44121), (219, 44100), (225, 44070), (243, 43956), (247, 43914), (248, 43893), (251, 43860), (261, 43788), (263, 43782), (271, 43734), (280, 43689), (285, 43665), (288, 43650), (290, 43626),

Gene: Maskar_51 Start: 44930, Stop: 43527, Start Num: 75
Candidate Starts for Maskar_51:
(40, 45095), (Start: 75 @44930 has 243 MA's), (Start: 76 @44927 has 85 MA's), (Start: 77 @44921 has 2 MA's), (82, 44879), (93, 44807), (99, 44786), (118, 44690), (131, 44639), (139, 44573), (140, 44570), (145, 44519), (157, 44453), (161, 44441), (169, 44405), (183, 44360), (188, 44330), (195, 44291), (199, 44252), (203, 44219), (204, 44216), (206, 44210), (208, 44192), (216, 44159), (219, 44138), (225, 44108), (243, 43994), (247, 43952), (248, 43931), (251, 43898), (261, 43826), (263, 43820), (271, 43772), (280, 43727), (285, 43703), (288, 43688), (290, 43664),

Gene: MasterPo_50 Start: 44872, Stop: 43505, Start Num: 76
Candidate Starts for MasterPo_50:
(Start: 76 @44872 has 85 MA's), (83, 44809), (85, 44794), (109, 44683), (Start: 117 @44632 has 5 MA's), (130, 44584), (135, 44536), (154, 44395), (157, 44386), (175, 44341), (177, 44335), (178, 44329), (183, 44317), (199, 44212), (203, 44179), (208, 44152), (216, 44119), (221, 44092), (225, 44068), (229, 44041), (235, 44014), (244, 43939), (248, 43894), (251, 43861), (258, 43840), (260, 43834), (266, 43801), (267, 43792), (269, 43783), (296, 43621), (297, 43603), (302, 43546),

Gene: Matalotodo_51 Start: 45244, Stop: 43841, Start Num: 75
Candidate Starts for Matalotodo_51:
(40, 45409), (Start: 75 @45244 has 243 MA's), (Start: 76 @45241 has 85 MA's), (Start: 77 @45235 has 2 MA's), (82, 45193), (93, 45121), (99, 45100), (118, 45004), (131, 44953), (139, 44887), (140, 44884), (143, 44860), (145, 44833), (157, 44767), (161, 44755), (169, 44719), (183, 44674), (188, 44644), (195, 44605), (199, 44566), (203, 44533), (204, 44530), (208, 44506), (216, 44473), (219, 44452), (225, 44422), (243, 44308), (247, 44266), (248, 44245), (251, 44212), (261, 44140), (263, 44134), (271, 44086), (280, 44041), (285, 44017), (288, 44002), (290, 43978),

Gene: Mcshane_50 Start: 44941, Stop: 43538, Start Num: 75
Candidate Starts for Mcshane_50:
(11, 45319), (12, 45274), (19, 45232), (28, 45151), (40, 45106), (Start: 75 @44941 has 243 MA's), (Start: 76 @44938 has 85 MA's), (Start: 77 @44932 has 2 MA's), (82, 44890), (93, 44818), (99, 44797), (118, 44701), (131, 44650), (139, 44584), (140, 44581), (145, 44530), (157, 44464), (161, 44452), (169, 44416), (183, 44371), (188, 44341), (195, 44302), (199, 44263), (203, 44230), (204, 44227), (208, 44203), (216, 44170), (219, 44149), (225, 44119), (243, 44005), (247, 43963), (248, 43942), (251, 43909), (261, 43837), (263, 43831), (271, 43783), (280, 43738), (285, 43714), (288, 43699), (290, 43675),

Gene: Mecca_50 Start: 44947, Stop: 43544, Start Num: 75
Candidate Starts for Mecca_50:
(40, 45112), (Start: 75 @44947 has 243 MA's), (Start: 76 @44944 has 85 MA's), (Start: 77 @44938 has 2 MA's), (82, 44896), (93, 44824), (99, 44803), (118, 44707), (131, 44656), (139, 44590), (140, 44587), (143, 44563), (145, 44536), (157, 44470), (161, 44458), (169, 44422), (183, 44377), (188, 44347), (195, 44308), (199, 44269), (203, 44236), (204, 44233), (208, 44209), (216, 44176), (219, 44155), (225, 44125), (243, 44011), (247, 43969), (248, 43948), (251, 43915), (261, 43843), (263, 43837), (271, 43789), (280, 43744), (285, 43720), (288, 43705), (290, 43681),

Gene: Megamind20_51 Start: 44966, Stop: 43566, Start Num: 76
Candidate Starts for Megamind20_51:
(11, 45347), (12, 45302), (19, 45260), (28, 45179), (40, 45134), (Start: 75 @44969 has 243 MA's), (Start: 76 @44966 has 85 MA's), (Start: 77 @44960 has 2 MA's), (82, 44918), (93, 44846), (99, 44825), (118, 44729), (131, 44678), (139, 44612), (140, 44609), (145, 44558), (157, 44492), (161, 44480), (169, 44444), (183, 44399), (188, 44369), (195, 44330), (199, 44291), (203, 44258), (204, 44255), (208, 44231), (216, 44198), (219, 44177), (225, 44147), (243, 44033), (247, 43991), (248, 43970), (251, 43937), (261, 43865), (263, 43859), (271, 43811), (280, 43766), (285, 43742), (288, 43727), (290, 43703),

Gene: Megatron_52 Start: 45377, Stop: 43974, Start Num: 75
Candidate Starts for Megatron_52:
(11, 45755), (12, 45710), (19, 45668), (28, 45587), (40, 45542), (Start: 75 @45377 has 243 MA's), (Start: 76 @45374 has 85 MA's), (Start: 77 @45368 has 2 MA's), (82, 45326), (93, 45254), (99, 45233), (118, 45137), (131, 45086), (139, 45020), (140, 45017), (145, 44966), (157, 44900), (161, 44888), (169, 44852), (183, 44807), (188, 44777), (195, 44738), (199, 44699), (203, 44666), (204, 44663), (208, 44639), (216, 44606), (219, 44585), (225, 44555), (243, 44441), (247, 44399), (248, 44378), (251, 44345), (261, 44273), (263, 44267), (271, 44219), (280, 44174), (285, 44150), (288, 44135), (290, 44111),

Gene: Melc17_51 Start: 45239, Stop: 43836, Start Num: 75
Candidate Starts for Melc17_51:
(40, 45404), (Start: 75 @45239 has 243 MA's), (Start: 76 @45236 has 85 MA's), (Start: 77 @45230 has 2 MA's), (82, 45188), (93, 45116), (99, 45095), (118, 44999), (131, 44948), (139, 44882), (140, 44879), (145, 44828), (157, 44762), (161, 44750), (169, 44714), (183, 44669), (188, 44639), (195, 44600), (199, 44561), (203, 44528), (204, 44525), (206, 44519), (208, 44501), (216, 44468), (219, 44447), (225, 44417), (243, 44303), (247, 44261), (248, 44240), (251, 44207), (261, 44135), (263, 44129), (271, 44081), (280, 44036), (285, 44012), (288, 43997), (290, 43973),

Gene: MelsMeow_51 Start: 44983, Stop: 43580, Start Num: 75
Candidate Starts for MelsMeow_51:
(40, 45148), (Start: 75 @44983 has 243 MA's), (Start: 76 @44980 has 85 MA's), (Start: 77 @44974 has 2 MA's), (82, 44932), (93, 44860), (99, 44839), (118, 44743), (131, 44692), (139, 44626), (140, 44623), (145, 44572), (157, 44506), (161, 44494), (169, 44458), (183, 44413), (188, 44383), (195, 44344), (199, 44305), (203, 44272), (204, 44269), (206, 44263), (208, 44245), (216, 44212), (219, 44191), (225, 44161), (243, 44047), (247, 44005), (248, 43984), (251, 43951), (261, 43879), (263, 43873), (271, 43825), (280, 43780), (285, 43756), (288, 43741), (290, 43717),

Gene: Mesh1_51 Start: 45257, Stop: 43854, Start Num: 72
Candidate Starts for Mesh1_51:
(Start: 72 @45257 has 35 MA's), (Start: 76 @45254 has 85 MA's), (Start: 77 @45248 has 2 MA's), (82, 45206), (93, 45134), (99, 45113), (118, 45017), (131, 44966), (139, 44900), (140, 44897), (145, 44846), (157, 44780), (161, 44768), (169, 44732), (183, 44687), (188, 44657), (195, 44618), (199, 44579), (203, 44546), (204, 44543), (208, 44519), (216, 44486), (219, 44465), (225, 44435), (243,

44321), (247, 44279), (248, 44258), (251, 44225), (261, 44153), (263, 44147), (271, 44099), (280, 44054), (285, 44030), (288, 44015), (290, 43991),

Gene: Mesmerelda_50 Start: 44951, Stop: 43548, Start Num: 75
Candidate Starts for Mesmerelda_50:
(11, 45329), (12, 45284), (19, 45242), (28, 45161), (40, 45116), (Start: 75 @44951 has 243 MA's), (Start: 76 @44948 has 85 MA's), (Start: 77 @44942 has 2 MA's), (82, 44900), (93, 44828), (99, 44807), (118, 44711), (131, 44660), (139, 44594), (140, 44591), (145, 44540), (157, 44474), (161, 44462), (169, 44426), (183, 44381), (188, 44351), (195, 44312), (199, 44273), (203, 44240), (204, 44237), (208, 44213), (216, 44180), (219, 44159), (225, 44129), (243, 44015), (247, 43973), (248, 43952), (251, 43919), (261, 43847), (263, 43841), (271, 43793), (280, 43748), (285, 43724), (288, 43709), (290, 43685),

Gene: MichaelPhcott_50 Start: 44861, Stop: 43458, Start Num: 75
Candidate Starts for MichaelPhcott_50:
(40, 45026), (Start: 75 @44861 has 243 MA's), (Start: 76 @44858 has 85 MA's), (Start: 77 @44852 has 2 MA's), (82, 44810), (93, 44738), (99, 44717), (118, 44621), (131, 44570), (139, 44504), (140, 44501), (145, 44450), (157, 44384), (161, 44372), (169, 44336), (183, 44291), (188, 44261), (195, 44222), (199, 44183), (203, 44150), (204, 44147), (206, 44141), (208, 44123), (216, 44090), (219, 44069), (225, 44039), (243, 43925), (247, 43883), (248, 43862), (251, 43829), (261, 43757), (263, 43751), (271, 43703), (280, 43658), (285, 43634), (288, 43619), (290, 43595),

Gene: Mikota_51 Start: 45227, Stop: 43824, Start Num: 75
Candidate Starts for Mikota_51:
(11, 45605), (12, 45560), (19, 45518), (28, 45437), (40, 45392), (Start: 75 @45227 has 243 MA's), (Start: 76 @45224 has 85 MA's), (Start: 77 @45218 has 2 MA's), (82, 45176), (93, 45104), (99, 45083), (118, 44987), (131, 44936), (139, 44870), (140, 44867), (145, 44816), (157, 44750), (161, 44738), (169, 44702), (183, 44657), (188, 44627), (195, 44588), (199, 44549), (203, 44516), (204, 44513), (208, 44489), (216, 44456), (219, 44435), (225, 44405), (243, 44291), (247, 44249), (248, 44228), (251, 44195), (261, 44123), (263, 44117), (271, 44069), (280, 44024), (285, 44000), (288, 43985), (290, 43961),

Gene: MiniBoss_51 Start: 45230, Stop: 43830, Start Num: 76
Candidate Starts for MiniBoss_51:
(11, 45611), (12, 45566), (19, 45524), (28, 45443), (40, 45398), (Start: 75 @45233 has 243 MA's), (Start: 76 @45230 has 85 MA's), (Start: 77 @45224 has 2 MA's), (82, 45182), (93, 45110), (99, 45089), (118, 44993), (131, 44942), (139, 44876), (140, 44873), (145, 44822), (157, 44756), (161, 44744), (169, 44708), (183, 44663), (188, 44633), (195, 44594), (199, 44555), (203, 44522), (204, 44519), (208, 44495), (216, 44462), (219, 44441), (225, 44411), (243, 44297), (247, 44255), (248, 44234), (251, 44201), (261, 44129), (263, 44123), (271, 44075), (280, 44030), (285, 44006), (288, 43991), (290, 43967),

Gene: Minnow_45 Start: 43539, Stop: 42112, Start Num: 70
Candidate Starts for Minnow_45:
(48, 43629), (52, 43605), (62, 43569), (Start: 70 @43539 has 3 MA's), (Start: 77 @43521 has 2 MA's), (105, 43317), (110, 43299), (115, 43245), (130, 43182), (131, 43170), (155, 42990), (157, 42984), (163, 42966), (165, 42951), (187, 42885), (193, 42843), (195, 42831), (196, 42828), (204, 42756), (206, 42750), (208, 42732), (220, 42675), (232, 42621), (236, 42591), (240, 42570), (247, 42498), (248, 42477), (251, 42444), (270, 42360), (273, 42342), (275, 42336), (284, 42291), (285, 42288),

Gene: MitKao_51 Start: 44959, Stop: 43556, Start Num: 75
Candidate Starts for MitKao_51:

(11, 45337), (12, 45292), (19, 45250), (28, 45169), (40, 45124), (Start: 75 @44959 has 243 MA's), (Start: 76 @44956 has 85 MA's), (Start: 77 @44950 has 2 MA's), (82, 44908), (93, 44836), (99, 44815), (118, 44719), (131, 44668), (139, 44602), (140, 44599), (145, 44548), (157, 44482), (161, 44470), (169, 44434), (183, 44389), (188, 44359), (195, 44320), (199, 44281), (203, 44248), (204, 44245), (206, 44239), (208, 44221), (216, 44188), (219, 44167), (225, 44137), (243, 44023), (247, 43981), (248, 43960), (251, 43927), (261, 43855), (263, 43849), (271, 43801), (280, 43756), (285, 43732), (288, 43717), (290, 43693),

Gene: Mithril_46 Start: 45718, Stop: 44378, Start Num: 75
Candidate Starts for Mithril_46:
(Start: 72 @45721 has 35 MA's), (Start: 75 @45718 has 243 MA's), (Start: 77 @45709 has 2 MA's), (78, 45703), (84, 45652), (115, 45505), (131, 45439), (148, 45298), (151, 45274), (157, 45253), (158, 45250), (163, 45235), (165, 45220), (187, 45151), (191, 45118), (196, 45094), (204, 45022), (207, 45007), (208, 44998), (216, 44965), (217, 44962), (219, 44944), (225, 44914), (237, 44854), (240, 44836), (242, 44824), (244, 44791), (245, 44779), (246, 44773), (247, 44764), (248, 44743), (250, 44734), (251, 44710), (263, 44671), (274, 44605), (275, 44602), (288, 44539), (289, 44533), (290, 44515),

Gene: MmasiCarm_49 Start: 44861, Stop: 43248, Start Num: 35
Candidate Starts for MmasiCarm_49:
(14, 44987), (15, 44981), (17, 44966), (Start: 33 @44870 has 9 MA's), (Start: 35 @44861 has 43 MA's), (56, 44765), (74, 44687), (91, 44552), (Start: 117 @44393 has 5 MA's), (123, 44378), (125, 44366), (131, 44336), (137, 44294), (145, 44216), (174, 44084), (180, 44051), (183, 44042), (198, 43949), (204, 43901), (207, 43886), (208, 43877), (216, 43844), (221, 43817), (225, 43793), (242, 43703), (251, 43592), (261, 43559), (264, 43541), (268, 43520), (274, 43487),

Gene: Morgushi_51 Start: 44948, Stop: 43545, Start Num: 75
Candidate Starts for Morgushi_51:
(11, 45326), (12, 45281), (19, 45239), (28, 45158), (40, 45113), (Start: 75 @44948 has 243 MA's), (Start: 76 @44945 has 85 MA's), (Start: 77 @44939 has 2 MA's), (82, 44897), (93, 44825), (99, 44804), (118, 44708), (131, 44657), (139, 44591), (140, 44588), (145, 44537), (157, 44471), (161, 44459), (169, 44423), (183, 44378), (188, 44348), (195, 44309), (199, 44270), (203, 44237), (204, 44234), (208, 44210), (216, 44177), (219, 44156), (225, 44126), (243, 44012), (247, 43970), (248, 43949), (251, 43916), (261, 43844), (263, 43838), (271, 43790), (280, 43745), (285, 43721), (288, 43706), (290, 43682),

Gene: Mortcellus_48 Start: 45513, Stop: 43900, Start Num: 35
Candidate Starts for Mortcellus_48:
(14, 45639), (15, 45633), (17, 45618), (Start: 33 @45522 has 9 MA's), (Start: 35 @45513 has 43 MA's), (56, 45417), (74, 45339), (91, 45204), (Start: 117 @45045 has 5 MA's), (123, 45030), (125, 45018), (131, 44988), (137, 44946), (145, 44868), (174, 44736), (180, 44703), (183, 44694), (198, 44601), (204, 44553), (207, 44538), (208, 44529), (216, 44496), (221, 44469), (225, 44445), (242, 44355), (251, 44244), (261, 44211), (264, 44193), (268, 44172), (274, 44139),

Gene: Morty_52 Start: 45386, Stop: 43983, Start Num: 75
Candidate Starts for Morty_52:
(11, 45764), (12, 45719), (19, 45677), (28, 45596), (40, 45551), (Start: 75 @45386 has 243 MA's), (Start: 76 @45383 has 85 MA's), (Start: 77 @45377 has 2 MA's), (82, 45335), (93, 45263), (99, 45242), (118, 45146), (131, 45095), (139, 45029), (140, 45026), (145, 44975), (157, 44909), (161, 44897), (169, 44861), (183, 44816), (188, 44786), (195, 44747), (199, 44708), (203, 44675), (204, 44672), (208, 44648), (216, 44615), (219, 44594), (225, 44564), (243, 44450), (247, 44408), (248, 44387), (251, 44354), (261, 44282), (263, 44276), (271, 44228), (280, 44183), (285, 44159), (288, 44144), (290, 44120),

Gene: Morty007_49 Start: 45656, Stop: 44043, Start Num: 35
Candidate Starts for Morty007_49:
(14, 45782), (15, 45776), (17, 45761), (Start: 33 @45665 has 9 MA's), (Start: 35 @45656 has 43 MA's), (56, 45560), (74, 45482), (91, 45347), (Start: 117 @45188 has 5 MA's), (123, 45173), (125, 45161), (131, 45131), (137, 45089), (145, 45011), (174, 44879), (180, 44846), (183, 44837), (198, 44744), (204, 44696), (207, 44681), (208, 44672), (216, 44639), (221, 44612), (225, 44588), (242, 44498), (251, 44387), (261, 44354), (262, 44351), (264, 44336), (268, 44315), (274, 44282),

Gene: Mosaic_50 Start: 44953, Stop: 43550, Start Num: 75
Candidate Starts for Mosaic_50:
(11, 45331), (12, 45286), (19, 45244), (28, 45163), (40, 45118), (Start: 75 @44953 has 243 MA's), (Start: 76 @44950 has 85 MA's), (Start: 77 @44944 has 2 MA's), (82, 44902), (93, 44830), (99, 44809), (118, 44713), (131, 44662), (139, 44596), (140, 44593), (145, 44542), (157, 44476), (161, 44464), (169, 44428), (183, 44383), (188, 44353), (195, 44314), (199, 44275), (203, 44242), (204, 44239), (208, 44215), (216, 44182), (219, 44161), (225, 44131), (243, 44017), (247, 43975), (248, 43954), (251, 43921), (261, 43849), (263, 43843), (271, 43795), (280, 43750), (285, 43726), (288, 43711), (290, 43687),

Gene: MossRose_47 Start: 40308, Stop: 38917, Start Num: 21
Candidate Starts for MossRose_47:
(Start: 21 @40308 has 7 MA's), (26, 40281), (Start: 41 @40230 has 6 MA's), (80, 40086), (121, 40080), (129, 40047), (131, 40029), (134, 39996), (136, 39990), (146, 39900), (160, 39840), (179, 39771), (186, 39750), (193, 39708), (201, 39636), (203, 39624), (207, 39606), (208, 39597), (216, 39564), (225, 39513), (233, 39483), (237, 39453), (248, 39345), (252, 39303), (256, 39270), (260, 39225), (263, 39213), (268, 39180), (269, 39174), (274, 39147),

Gene: MrPhizzler_51 Start: 44947, Stop: 43547, Start Num: 76
Candidate Starts for MrPhizzler_51:
(11, 45328), (12, 45283), (19, 45241), (28, 45160), (40, 45115), (Start: 75 @44950 has 243 MA's), (Start: 76 @44947 has 85 MA's), (Start: 77 @44941 has 2 MA's), (82, 44899), (93, 44827), (99, 44806), (118, 44710), (131, 44659), (139, 44593), (140, 44590), (145, 44539), (157, 44473), (161, 44461), (169, 44425), (183, 44380), (188, 44350), (195, 44311), (199, 44272), (203, 44239), (204, 44236), (208, 44212), (216, 44179), (219, 44158), (225, 44128), (243, 44014), (247, 43972), (248, 43951), (251, 43918), (261, 43846), (263, 43840), (271, 43792), (280, 43747), (285, 43723), (288, 43708), (290, 43684),

Gene: Mudslide_46 Start: 45977, Stop: 44637, Start Num: 75
Candidate Starts for Mudslide_46:
(Start: 72 @45980 has 35 MA's), (Start: 75 @45977 has 243 MA's), (Start: 77 @45968 has 2 MA's), (78, 45962), (84, 45911), (115, 45764), (126, 45719), (131, 45698), (148, 45557), (151, 45533), (157, 45512), (158, 45509), (163, 45494), (165, 45479), (187, 45410), (188, 45395), (191, 45377), (196, 45353), (204, 45281), (208, 45257), (216, 45224), (217, 45221), (219, 45203), (225, 45173), (237, 45113), (240, 45095), (242, 45083), (245, 45038), (246, 45032), (247, 45023), (250, 44993), (251, 44969), (263, 44930), (270, 44885), (274, 44864), (275, 44861), (289, 44792), (290, 44774),

Gene: Mulan_51 Start: 45100, Stop: 43700, Start Num: 76
Candidate Starts for Mulan_51:
(40, 45268), (Start: 75 @45103 has 243 MA's), (Start: 76 @45100 has 85 MA's), (Start: 77 @45094 has 2 MA's), (82, 45052), (93, 44980), (99, 44959), (118, 44863), (131, 44812), (139, 44746), (140, 44743), (143, 44719), (145, 44692), (157, 44626), (161, 44614), (169, 44578), (183, 44533), (188, 44503), (195, 44464), (199, 44425), (203, 44392), (204, 44389), (208, 44365), (216, 44332), (219, 44311), (225, 44281), (243, 44167), (247, 44125), (248, 44104), (251, 44071), (261, 43999), (263,

43993), (271, 43945), (280, 43900), (285, 43876), (288, 43861), (290, 43837),

Gene: Mulaychimus_49 Start: 44842, Stop: 43229, Start Num: 35
Candidate Starts for Mulaychimus_49:
(14, 44968), (15, 44962), (17, 44947), (Start: 33 @44851 has 9 MA's), (Start: 35 @44842 has 43 MA's), (56, 44746), (74, 44668), (91, 44533), (Start: 117 @44374 has 5 MA's), (123, 44359), (125, 44347), (131, 44317), (137, 44275), (145, 44197), (174, 44065), (180, 44032), (183, 44023), (198, 43930), (204, 43882), (207, 43867), (208, 43858), (216, 43825), (221, 43798), (225, 43774), (242, 43684), (251, 43573), (261, 43540), (264, 43522), (268, 43501), (274, 43468),

Gene: Murdoc_51 Start: 45234, Stop: 43831, Start Num: 75
Candidate Starts for Murdoc_51:
(40, 45399), (Start: 75 @45234 has 243 MA's), (Start: 76 @45231 has 85 MA's), (Start: 77 @45225 has 2 MA's), (82, 45183), (93, 45111), (99, 45090), (118, 44994), (131, 44943), (139, 44877), (140, 44874), (143, 44850), (145, 44823), (157, 44757), (161, 44745), (169, 44709), (183, 44664), (188, 44634), (195, 44595), (199, 44556), (203, 44523), (204, 44520), (208, 44496), (216, 44463), (219, 44442), (225, 44412), (243, 44298), (247, 44256), (248, 44235), (251, 44202), (261, 44130), (263, 44124), (271, 44076), (280, 44031), (285, 44007), (288, 43992), (290, 43968),

Gene: Mutante_50 Start: 44953, Stop: 43550, Start Num: 75
Candidate Starts for Mutante_50:
(40, 45118), (Start: 75 @44953 has 243 MA's), (Start: 76 @44950 has 85 MA's), (Start: 77 @44944 has 2 MA's), (82, 44902), (93, 44830), (99, 44809), (118, 44713), (131, 44662), (139, 44596), (140, 44593), (143, 44569), (145, 44542), (157, 44476), (161, 44464), (169, 44428), (183, 44383), (188, 44353), (195, 44314), (199, 44275), (203, 44242), (204, 44239), (208, 44215), (216, 44182), (219, 44161), (225, 44131), (243, 44017), (247, 43975), (248, 43954), (251, 43921), (261, 43849), (263, 43843), (271, 43795), (280, 43750), (285, 43726), (288, 43711), (290, 43687),

Gene: Mysterious_49 Start: 46273, Stop: 44888, Start Num: 73
Candidate Starts for Mysterious_49:
(40, 46426), (Start: 73 @46273 has 10 MA's), (Start: 79 @46255 has 2 MA's), (118, 46036), (125, 46009), (126, 46006), (157, 45799), (164, 45781), (193, 45664), (200, 45601), (204, 45577), (207, 45562), (221, 45493), (225, 45469), (226, 45466), (245, 45334), (247, 45322), (248, 45301), (251, 45268), (253, 45250), (261, 45196), (269, 45151), (274, 45124), (289, 45043), (293, 45004), (294, 44998), (297, 44962),

Gene: NHagos_45 Start: 38885, Stop: 37521, Start Num: 21
Candidate Starts for NHagos_45:
(Start: 21 @38885 has 7 MA's), (26, 38858), (Start: 41 @38807 has 6 MA's), (Start: 117 @38663 has 5 MA's), (131, 38606), (162, 38411), (170, 38372), (196, 38270), (203, 38201), (219, 38120), (225, 38090), (226, 38087), (234, 38042), (237, 38030), (245, 37955), (248, 37922), (251, 37889), (258, 37856), (259, 37844), (260, 37829), (263, 37817), (269, 37778), (274, 37751), (297, 37595),

Gene: Nacho_0052 Start: 45380, Stop: 43977, Start Num: 75
Candidate Starts for Nacho_0052:
(40, 45545), (Start: 75 @45380 has 243 MA's), (Start: 76 @45377 has 85 MA's), (Start: 77 @45371 has 2 MA's), (82, 45329), (93, 45257), (99, 45236), (118, 45140), (131, 45089), (139, 45023), (140, 45020), (143, 44996), (145, 44969), (157, 44903), (161, 44891), (169, 44855), (183, 44810), (188, 44780), (195, 44741), (199, 44702), (203, 44669), (204, 44666), (208, 44642), (216, 44609), (219, 44588), (225, 44558), (243, 44444), (247, 44402), (248, 44381), (251, 44348), (261, 44276), (263, 44270), (271, 44222), (280, 44177), (285, 44153), (288, 44138), (290, 44114),

Gene: Nanao_45 Start: 44677, Stop: 43337, Start Num: 75

Candidate Starts for Nanao_45:
(Start: 72 @44680 has 35 MA's), (Start: 75 @44677 has 243 MA's), (Start: 77 @44668 has 2 MA's), (78, 44662), (84, 44611), (115, 44464), (131, 44398), (133, 44374), (157, 44212), (163, 44194), (165, 44179), (166, 44176), (173, 44149), (189, 44086), (191, 44077), (202, 43990), (207, 43966), (216, 43924), (217, 43921), (219, 43903), (225, 43873), (232, 43846), (237, 43813), (241, 43792), (242, 43783), (245, 43738), (246, 43732), (247, 43723), (248, 43702), (251, 43669), (263, 43630), (274, 43564), (275, 43561), (289, 43492), (290, 43474),

Gene: Nangang_50 Start: 46226, Stop: 44841, Start Num: 73
Candidate Starts for Nangang_50:
(Start: 73 @46226 has 10 MA's), (Start: 79 @46208 has 2 MA's), (118, 45989), (126, 45959), (149, 45794), (157, 45752), (164, 45734), (167, 45719), (185, 45668), (193, 45617), (204, 45530), (207, 45515), (208, 45506), (221, 45446), (225, 45422), (226, 45419), (241, 45341), (245, 45287), (251, 45221), (253, 45203), (261, 45149), (268, 45110), (269, 45104), (274, 45077), (289, 44996), (293, 44957), (297, 44915),

Gene: Nathan_51 Start: 45275, Stop: 43875, Start Num: 76
Candidate Starts for Nathan_51:
(40, 45440), (Start: 72 @45278 has 35 MA's), (Start: 76 @45275 has 85 MA's), (82, 45227), (93, 45155), (99, 45134), (118, 45038), (131, 44987), (139, 44921), (140, 44918), (145, 44867), (157, 44801), (161, 44789), (169, 44753), (183, 44708), (188, 44678), (195, 44639), (199, 44600), (203, 44567), (204, 44564), (208, 44540), (216, 44507), (219, 44486), (225, 44456), (243, 44342), (247, 44300), (248, 44279), (251, 44246), (261, 44174), (263, 44168), (271, 44120), (280, 44075), (285, 44051), (288, 44036), (290, 44012),

Gene: Nehemiah_50 Start: 46273, Stop: 44888, Start Num: 73
Candidate Starts for Nehemiah_50:
(40, 46426), (Start: 73 @46273 has 10 MA's), (Start: 79 @46255 has 2 MA's), (81, 46225), (118, 46036), (125, 46009), (157, 45799), (164, 45781), (193, 45664), (200, 45601), (204, 45577), (207, 45562), (221, 45493), (225, 45469), (226, 45466), (245, 45334), (247, 45322), (248, 45301), (251, 45268), (253, 45250), (261, 45196), (269, 45151), (274, 45124), (289, 45043), (293, 45004), (294, 44998), (297, 44962),

Gene: Nehme_50 Start: 44992, Stop: 43589, Start Num: 72
Candidate Starts for Nehme_50:
(40, 45154), (Start: 72 @44992 has 35 MA's), (Start: 76 @44989 has 85 MA's), (82, 44941), (93, 44869), (99, 44848), (118, 44752), (131, 44701), (139, 44635), (140, 44632), (143, 44608), (145, 44581), (157, 44515), (161, 44503), (169, 44467), (183, 44422), (188, 44392), (195, 44353), (199, 44314), (203, 44281), (204, 44278), (206, 44272), (208, 44254), (216, 44221), (219, 44200), (225, 44170), (243, 44056), (247, 44014), (248, 43993), (251, 43960), (261, 43888), (263, 43882), (271, 43834), (280, 43789), (285, 43765), (288, 43750), (290, 43726),

Gene: Neos5_49 Start: 45672, Stop: 44059, Start Num: 35
Candidate Starts for Neos5_49:
(14, 45798), (15, 45792), (17, 45777), (Start: 33 @45681 has 9 MA's), (Start: 35 @45672 has 43 MA's), (56, 45576), (74, 45498), (91, 45363), (Start: 117 @45204 has 5 MA's), (123, 45189), (125, 45177), (131, 45147), (137, 45105), (145, 45027), (174, 44895), (180, 44862), (183, 44853), (198, 44760), (204, 44712), (207, 44697), (208, 44688), (221, 44628), (225, 44604), (242, 44514), (251, 44403), (261, 44370), (264, 44352), (268, 44331), (274, 44298),

Gene: Newman_51 Start: 45251, Stop: 43848, Start Num: 75
Candidate Starts for Newman_51:

(11, 45629), (12, 45584), (19, 45542), (28, 45461), (40, 45416), (Start: 75 @45251 has 243 MA's), (Start: 76 @45248 has 85 MA's), (Start: 77 @45242 has 2 MA's), (82, 45200), (93, 45128), (99, 45107), (118, 45011), (131, 44960), (139, 44894), (140, 44891), (143, 44867), (145, 44840), (157, 44774), (161, 44762), (169, 44726), (183, 44681), (188, 44651), (195, 44612), (199, 44573), (203, 44540), (204, 44537), (208, 44513), (216, 44480), (219, 44459), (225, 44429), (247, 44273), (248, 44252), (251, 44219), (261, 44147), (263, 44141), (271, 44093), (280, 44048), (285, 44024), (288, 44009), (290, 43985),

Gene: NiaNia_54 Start: 44967, Stop: 43567, Start Num: 76
Candidate Starts for NiaNia_54:
(11, 45348), (12, 45303), (19, 45261), (28, 45180), (40, 45135), (Start: 75 @44970 has 243 MA's), (Start: 76 @44967 has 85 MA's), (Start: 77 @44961 has 2 MA's), (82, 44919), (93, 44847), (99, 44826), (118, 44730), (131, 44679), (139, 44613), (140, 44610), (145, 44559), (157, 44493), (161, 44481), (169, 44445), (183, 44400), (188, 44370), (195, 44331), (199, 44292), (203, 44259), (204, 44256), (208, 44232), (216, 44199), (219, 44178), (225, 44148), (243, 44034), (247, 43992), (248, 43971), (251, 43938), (261, 43866), (263, 43860), (271, 43812), (280, 43767), (285, 43743), (288, 43728), (290, 43704),

Gene: Nicole21_51 Start: 45255, Stop: 43852, Start Num: 75
Candidate Starts for Nicole21_51:
(40, 45420), (Start: 75 @45255 has 243 MA's), (Start: 76 @45252 has 85 MA's), (Start: 77 @45246 has 2 MA's), (82, 45204), (93, 45132), (99, 45111), (118, 45015), (131, 44964), (139, 44898), (140, 44895), (145, 44844), (157, 44778), (161, 44766), (169, 44730), (183, 44685), (188, 44655), (195, 44616), (199, 44577), (203, 44544), (204, 44541), (208, 44517), (216, 44484), (219, 44463), (225, 44433), (243, 44319), (247, 44277), (248, 44256), (251, 44223), (261, 44151), (263, 44145), (271, 44097), (280, 44052), (285, 44028), (288, 44013), (290, 43989),

Gene: Nigel_45 Start: 44555, Stop: 43215, Start Num: 75
Candidate Starts for Nigel_45:
(Start: 75 @44555 has 243 MA's), (Start: 77 @44546 has 2 MA's), (78, 44540), (115, 44342), (131, 44276), (133, 44252), (153, 44102), (157, 44090), (163, 44072), (188, 43973), (191, 43955), (196, 43931), (199, 43895), (204, 43859), (207, 43844), (208, 43835), (209, 43832), (211, 43820), (216, 43802), (217, 43799), (219, 43781), (222, 43763), (225, 43751), (232, 43724), (237, 43691), (241, 43670), (242, 43661), (245, 43616), (246, 43610), (247, 43601), (248, 43580), (251, 43547), (263, 43508), (274, 43442), (275, 43439), (289, 43370), (290, 43352), (299, 43268),

Gene: Nova1_51 Start: 44893, Stop: 43490, Start Num: 72
Candidate Starts for Nova1_51:
(11, 45268), (12, 45223), (19, 45181), (28, 45100), (40, 45055), (Start: 72 @44893 has 35 MA's), (Start: 76 @44890 has 85 MA's), (82, 44842), (93, 44770), (99, 44749), (118, 44653), (131, 44602), (139, 44536), (140, 44533), (145, 44482), (157, 44416), (161, 44404), (169, 44368), (183, 44323), (188, 44293), (195, 44254), (199, 44215), (203, 44182), (204, 44179), (206, 44173), (208, 44155), (216, 44122), (219, 44101), (225, 44071), (243, 43957), (247, 43915), (248, 43894), (251, 43861), (261, 43789), (263, 43783), (271, 43735), (280, 43690), (285, 43666), (288, 43651), (290, 43627),

Gene: Nozo_49 Start: 45636, Stop: 44023, Start Num: 35
Candidate Starts for Nozo_49:
(14, 45762), (15, 45756), (17, 45741), (Start: 33 @45645 has 9 MA's), (Start: 35 @45636 has 43 MA's), (56, 45540), (74, 45462), (91, 45327), (Start: 117 @45168 has 5 MA's), (123, 45153), (125, 45141), (131, 45111), (137, 45069), (145, 44991), (174, 44859), (180, 44826), (183, 44817), (198, 44724), (204, 44676), (207, 44661), (208, 44652), (216, 44619), (221, 44592), (225, 44568), (242, 44478), (251, 44367), (261, 44334), (262, 44331), (264, 44316), (268, 44295), (274, 44262),

Gene: Numberten_51 Start: 45246, Stop: 43843, Start Num: 75
Candidate Starts for Numberten_51:
(40, 45411), (Start: 75 @45246 has 243 MA's), (Start: 76 @45243 has 85 MA's), (Start: 77 @45237 has 2 MA's), (82, 45195), (93, 45123), (99, 45102), (118, 45006), (131, 44955), (139, 44889), (140, 44886), (145, 44835), (157, 44769), (161, 44757), (169, 44721), (183, 44676), (188, 44646), (195, 44607), (199, 44568), (203, 44535), (204, 44532), (208, 44508), (216, 44475), (219, 44454), (225, 44424), (243, 44310), (247, 44268), (248, 44247), (251, 44214), (261, 44142), (263, 44136), (271, 44088), (280, 44043), (285, 44019), (288, 44004), (290, 43980),

Gene: Nyala_50 Start: 44945, Stop: 43542, Start Num: 75
Candidate Starts for Nyala_50:
(11, 45323), (12, 45278), (19, 45236), (28, 45155), (40, 45110), (Start: 75 @44945 has 243 MA's), (Start: 76 @44942 has 85 MA's), (Start: 77 @44936 has 2 MA's), (82, 44894), (93, 44822), (99, 44801), (118, 44705), (131, 44654), (139, 44588), (140, 44585), (145, 44534), (157, 44468), (161, 44456), (169, 44420), (183, 44375), (188, 44345), (195, 44306), (199, 44267), (203, 44234), (204, 44231), (208, 44207), (216, 44174), (219, 44153), (225, 44123), (243, 44009), (247, 43967), (248, 43946), (251, 43913), (261, 43841), (263, 43835), (271, 43787), (280, 43742), (285, 43718), (288, 43703), (290, 43679),

Gene: OSmaximus_52 Start: 45419, Stop: 44016, Start Num: 75
Candidate Starts for OSmaximus_52:
(40, 45584), (Start: 75 @45419 has 243 MA's), (Start: 76 @45416 has 85 MA's), (Start: 77 @45410 has 2 MA's), (82, 45368), (93, 45296), (99, 45275), (118, 45179), (131, 45128), (139, 45062), (140, 45059), (145, 45008), (157, 44942), (161, 44930), (169, 44894), (183, 44849), (188, 44819), (195, 44780), (199, 44741), (203, 44708), (204, 44705), (208, 44681), (216, 44648), (219, 44627), (225, 44597), (243, 44483), (247, 44441), (248, 44420), (251, 44387), (261, 44315), (263, 44309), (271, 44261), (280, 44216), (285, 44192), (288, 44177), (290, 44153),

Gene: Obutu_49 Start: 44861, Stop: 43248, Start Num: 35
Candidate Starts for Obutu_49:
(14, 44987), (15, 44981), (17, 44966), (Start: 33 @44870 has 9 MA's), (Start: 35 @44861 has 43 MA's), (56, 44765), (74, 44687), (91, 44552), (Start: 117 @44393 has 5 MA's), (123, 44378), (125, 44366), (131, 44336), (137, 44294), (145, 44216), (174, 44084), (180, 44051), (183, 44042), (198, 43949), (204, 43901), (207, 43886), (208, 43877), (216, 43844), (221, 43817), (225, 43793), (242, 43703), (251, 43592), (261, 43559), (264, 43541), (268, 43520), (274, 43487),

Gene: Olak_50 Start: 44948, Stop: 43545, Start Num: 75
Candidate Starts for Olak_50:
(11, 45326), (12, 45281), (19, 45239), (28, 45158), (40, 45113), (Start: 75 @44948 has 243 MA's), (Start: 76 @44945 has 85 MA's), (Start: 77 @44939 has 2 MA's), (82, 44897), (93, 44825), (99, 44804), (118, 44708), (131, 44657), (139, 44591), (140, 44588), (145, 44537), (157, 44471), (161, 44459), (169, 44423), (183, 44378), (188, 44348), (195, 44309), (199, 44270), (203, 44237), (204, 44234), (208, 44210), (216, 44177), (219, 44156), (225, 44126), (243, 44012), (247, 43970), (248, 43949), (251, 43916), (261, 43844), (263, 43838), (271, 43790), (280, 43745), (285, 43721), (288, 43706), (290, 43682),

Gene: Oline_50 Start: 44808, Stop: 43405, Start Num: 75
Candidate Starts for Oline_50:
(40, 44973), (Start: 75 @44808 has 243 MA's), (Start: 76 @44805 has 85 MA's), (Start: 77 @44799 has 2 MA's), (82, 44757), (93, 44685), (99, 44664), (118, 44568), (131, 44517), (139, 44451), (140, 44448), (145, 44397), (157, 44331), (161, 44319), (169, 44283), (183, 44238), (188, 44208), (195, 44169), (199, 44130), (203, 44097), (204, 44094), (206, 44088), (208, 44070), (216, 44037), (219, 44016), (225, 43986), (243, 43872), (247, 43830), (248, 43809), (251, 43776), (261, 43704), (263,

43698), (271, 43650), (280, 43605), (285, 43581), (288, 43566), (290, 43542),

Gene: Olive_51 Start: 45235, Stop: 43832, Start Num: 75
Candidate Starts for Olive_51:
(11, 45613), (12, 45568), (19, 45526), (28, 45445), (40, 45400), (Start: 75 @45235 has 243 MA's), (Start: 76 @45232 has 85 MA's), (Start: 77 @45226 has 2 MA's), (82, 45184), (93, 45112), (99, 45091), (118, 44995), (131, 44944), (139, 44878), (140, 44875), (145, 44824), (157, 44758), (161, 44746), (169, 44710), (183, 44665), (188, 44635), (195, 44596), (199, 44557), (203, 44524), (204, 44521), (208, 44497), (216, 44464), (219, 44443), (225, 44413), (243, 44299), (247, 44257), (248, 44236), (251, 44203), (261, 44131), (263, 44125), (271, 44077), (280, 44032), (285, 44008), (288, 43993), (290, 43969),

Gene: OliverWalter_51 Start: 45257, Stop: 43854, Start Num: 75
Candidate Starts for OliverWalter_51:
(40, 45422), (Start: 75 @45257 has 243 MA's), (Start: 76 @45254 has 85 MA's), (Start: 77 @45248 has 2 MA's), (82, 45206), (93, 45134), (99, 45113), (118, 45017), (131, 44966), (139, 44900), (140, 44897), (143, 44873), (145, 44846), (157, 44780), (161, 44768), (169, 44732), (183, 44687), (188, 44657), (195, 44618), (199, 44579), (203, 44546), (204, 44543), (208, 44519), (216, 44486), (219, 44465), (225, 44435), (243, 44321), (247, 44279), (248, 44258), (251, 44225), (261, 44153), (263, 44147), (271, 44099), (280, 44054), (285, 44030), (288, 44015), (290, 43991),

Gene: Olivio_48 Start: 44739, Stop: 43117, Start Num: 33
Candidate Starts for Olivio_48:
(14, 44856), (15, 44850), (17, 44835), (Start: 33 @44739 has 9 MA's), (Start: 35 @44730 has 43 MA's), (56, 44634), (74, 44556), (91, 44421), (Start: 117 @44262 has 5 MA's), (123, 44247), (125, 44235), (131, 44205), (137, 44163), (145, 44085), (174, 43953), (180, 43920), (183, 43911), (198, 43818), (204, 43770), (207, 43755), (208, 43746), (221, 43686), (225, 43662), (242, 43572), (251, 43461), (261, 43428), (262, 43425), (264, 43410), (268, 43389), (274, 43356),

Gene: Omniscient_51 Start: 45254, Stop: 43851, Start Num: 75
Candidate Starts for Omniscient_51:
(40, 45419), (Start: 75 @45254 has 243 MA's), (Start: 76 @45251 has 85 MA's), (Start: 77 @45245 has 2 MA's), (82, 45203), (93, 45131), (99, 45110), (118, 45014), (131, 44963), (139, 44897), (140, 44894), (143, 44870), (145, 44843), (157, 44777), (161, 44765), (169, 44729), (183, 44684), (188, 44654), (195, 44615), (199, 44576), (203, 44543), (204, 44540), (208, 44516), (216, 44483), (219, 44462), (225, 44432), (243, 44318), (247, 44276), (248, 44255), (251, 44222), (261, 44150), (263, 44144), (271, 44096), (280, 44051), (285, 44027), (288, 44012), (290, 43988),

Gene: OneBrain_52 Start: 44947, Stop: 43544, Start Num: 72
Candidate Starts for OneBrain_52:
(40, 45109), (Start: 72 @44947 has 35 MA's), (Start: 76 @44944 has 85 MA's), (82, 44896), (93, 44824), (99, 44803), (118, 44707), (131, 44656), (139, 44590), (140, 44587), (143, 44563), (145, 44536), (157, 44470), (161, 44458), (169, 44422), (183, 44377), (188, 44347), (195, 44308), (199, 44269), (203, 44236), (204, 44233), (208, 44209), (216, 44176), (219, 44155), (225, 44125), (243, 44011), (247, 43969), (248, 43948), (251, 43915), (261, 43843), (263, 43837), (271, 43789), (280, 43744), (285, 43720), (288, 43705), (290, 43681),

Gene: Oosterbaan_51 Start: 45239, Stop: 43839, Start Num: 76
Candidate Starts for Oosterbaan_51:
(40, 45407), (Start: 75 @45242 has 243 MA's), (Start: 76 @45239 has 85 MA's), (Start: 77 @45233 has 2 MA's), (82, 45191), (93, 45119), (99, 45098), (118, 45002), (131, 44951), (139, 44885), (140, 44882), (145, 44831), (157, 44765), (161, 44753), (169, 44717), (183, 44672), (188, 44642), (195, 44603), (199, 44564), (203, 44531), (204, 44528), (208, 44504), (216, 44471), (219, 44450), (225,

44420), (243, 44306), (247, 44264), (248, 44243), (251, 44210), (261, 44138), (263, 44132), (271, 44084), (280, 44039), (285, 44015), (288, 44000), (290, 43976),

Gene: Opia_50 Start: 44866, Stop: 43499, Start Num: 76
Candidate Starts for Opia_50:
(Start: 76 @44866 has 85 MA's), (83, 44803), (85, 44788), (109, 44677), (Start: 117 @44626 has 5 MA's), (130, 44578), (135, 44530), (154, 44389), (157, 44380), (175, 44335), (177, 44329), (178, 44323), (183, 44311), (199, 44206), (203, 44173), (207, 44155), (208, 44146), (216, 44113), (221, 44086), (225, 44062), (229, 44035), (235, 44008), (244, 43933), (248, 43888), (251, 43855), (258, 43834), (260, 43828), (266, 43795), (267, 43786), (269, 43777), (296, 43615), (297, 43597), (302, 43540),

Gene: OrangeOswald_49 Start: 44877, Stop: 43264, Start Num: 35
Candidate Starts for OrangeOswald_49:
(14, 45003), (15, 44997), (17, 44982), (Start: 33 @44886 has 9 MA's), (Start: 35 @44877 has 43 MA's), (56, 44781), (74, 44703), (91, 44568), (Start: 117 @44409 has 5 MA's), (123, 44394), (125, 44382), (131, 44352), (137, 44310), (145, 44232), (174, 44100), (180, 44067), (183, 44058), (198, 43965), (204, 43917), (207, 43902), (208, 43893), (216, 43860), (221, 43833), (225, 43809), (242, 43719), (251, 43608), (261, 43575), (262, 43572), (264, 43557), (268, 43536), (274, 43503),

Gene: Orfeu_50 Start: 44938, Stop: 43538, Start Num: 76
Candidate Starts for Orfeu_50:
(11, 45319), (12, 45274), (19, 45232), (28, 45151), (40, 45106), (Start: 75 @44941 has 243 MA's), (Start: 76 @44938 has 85 MA's), (Start: 77 @44932 has 2 MA's), (82, 44890), (93, 44818), (99, 44797), (118, 44701), (131, 44650), (139, 44584), (140, 44581), (145, 44530), (157, 44464), (161, 44452), (169, 44416), (183, 44371), (188, 44341), (195, 44302), (199, 44263), (203, 44230), (204, 44227), (208, 44203), (216, 44170), (219, 44149), (225, 44119), (243, 44005), (247, 43963), (248, 43942), (251, 43909), (261, 43837), (263, 43831), (271, 43783), (280, 43738), (285, 43714), (288, 43699), (290, 43675),

Gene: Orion_52 Start: 45372, Stop: 43972, Start Num: 76
Candidate Starts for Orion_52:
(11, 45753), (12, 45708), (19, 45666), (28, 45585), (40, 45540), (Start: 75 @45375 has 243 MA's), (Start: 76 @45372 has 85 MA's), (Start: 77 @45366 has 2 MA's), (82, 45324), (93, 45252), (99, 45231), (118, 45135), (131, 45084), (139, 45018), (140, 45015), (145, 44964), (157, 44898), (161, 44886), (169, 44850), (183, 44805), (188, 44775), (195, 44736), (199, 44697), (203, 44664), (204, 44661), (208, 44637), (216, 44604), (219, 44583), (225, 44553), (243, 44439), (247, 44397), (248, 44376), (251, 44343), (261, 44271), (263, 44265), (271, 44217), (280, 44172), (285, 44148), (288, 44133), (290, 44109),

Gene: Orwigg_50 Start: 44938, Stop: 43538, Start Num: 76
Candidate Starts for Orwigg_50:
(40, 45106), (Start: 75 @44941 has 243 MA's), (Start: 76 @44938 has 85 MA's), (Start: 77 @44932 has 2 MA's), (82, 44890), (93, 44818), (99, 44797), (118, 44701), (131, 44650), (139, 44584), (140, 44581), (145, 44530), (157, 44464), (161, 44452), (169, 44416), (183, 44371), (188, 44341), (195, 44302), (199, 44263), (203, 44230), (204, 44227), (208, 44203), (216, 44170), (219, 44149), (225, 44119), (243, 44005), (247, 43963), (248, 43942), (251, 43909), (261, 43837), (263, 43831), (271, 43783), (280, 43738), (285, 43714), (288, 43699), (290, 43675),

Gene: PG1_52 Start: 45388, Stop: 43985, Start Num: 75
Candidate Starts for PG1_52:
(40, 45553), (Start: 75 @45388 has 243 MA's), (Start: 76 @45385 has 85 MA's), (Start: 77 @45379 has 2 MA's), (82, 45337), (93, 45265), (99, 45244), (118, 45148), (131, 45097), (139, 45031), (140,

45028), (143, 45004), (145, 44977), (157, 44911), (161, 44899), (169, 44863), (183, 44818), (188, 44788), (195, 44749), (199, 44710), (203, 44677), (204, 44674), (208, 44650), (216, 44617), (219, 44596), (225, 44566), (243, 44452), (247, 44410), (248, 44389), (251, 44356), (261, 44284), (263, 44278), (271, 44230), (280, 44185), (285, 44161), (288, 44146), (290, 44122),

Gene: Pacifista_50 Start: 44944, Stop: 43541, Start Num: 75
Candidate Starts for Pacifista_50:
(11, 45322), (12, 45277), (19, 45235), (28, 45154), (40, 45109), (Start: 75 @44944 has 243 MA's), (Start: 76 @44941 has 85 MA's), (Start: 77 @44935 has 2 MA's), (82, 44893), (93, 44821), (99, 44800), (118, 44704), (131, 44653), (139, 44587), (140, 44584), (145, 44533), (157, 44467), (161, 44455), (169, 44419), (183, 44374), (188, 44344), (195, 44305), (199, 44266), (203, 44233), (204, 44230), (208, 44206), (216, 44173), (219, 44152), (225, 44122), (243, 44008), (247, 43966), (248, 43945), (251, 43912), (261, 43840), (263, 43834), (271, 43786), (280, 43741), (285, 43717), (288, 43702), (290, 43678),

Gene: PallasAthena_50 Start: 44949, Stop: 43549, Start Num: 76
Candidate Starts for PallasAthena_50:
(Start: 75 @44952 has 243 MA's), (Start: 76 @44949 has 85 MA's), (Start: 77 @44943 has 2 MA's), (82, 44901), (93, 44829), (99, 44808), (118, 44712), (131, 44661), (139, 44595), (140, 44592), (145, 44541), (157, 44475), (161, 44463), (169, 44427), (183, 44382), (188, 44352), (195, 44313), (199, 44274), (203, 44241), (204, 44238), (206, 44232), (208, 44214), (216, 44181), (219, 44160), (225, 44130), (243, 44016), (247, 43974), (248, 43953), (251, 43920), (261, 43848), (263, 43842), (271, 43794), (280, 43749), (285, 43725), (288, 43710), (290, 43686),

Gene: PenguinLover67_52 Start: 47634, Stop: 46015, Start Num: 18
Candidate Starts for PenguinLover67_52:
(Start: 18 @47634 has 1 MA's), (31, 47547), (34, 47535), (57, 47424), (59, 47418), (Start: 75 @47352 has 243 MA's), (118, 47124), (122, 47115), (142, 46983), (165, 46854), (193, 46752), (202, 46674), (204, 46665), (207, 46650), (209, 46638), (225, 46557), (232, 46530), (240, 46479), (242, 46467), (243, 46449), (261, 46320), (271, 46266), (274, 46248), (285, 46197), (302, 46038),

Gene: Phaedrus_47 Start: 44797, Stop: 43184, Start Num: 35
Candidate Starts for Phaedrus_47:
(14, 44926), (15, 44920), (17, 44905), (Start: 33 @44806 has 9 MA's), (Start: 35 @44797 has 43 MA's), (56, 44701), (74, 44623), (91, 44488), (Start: 117 @44329 has 5 MA's), (123, 44314), (125, 44302), (131, 44272), (137, 44230), (145, 44152), (174, 44020), (180, 43987), (183, 43978), (198, 43885), (204, 43837), (207, 43822), (208, 43813), (221, 43753), (225, 43729), (242, 43639), (251, 43528), (261, 43495), (262, 43492), (264, 43477), (268, 43456), (274, 43423),

Gene: Phamished_52 Start: 45395, Stop: 43992, Start Num: 75
Candidate Starts for Phamished_52:
(11, 45773), (12, 45728), (19, 45686), (28, 45605), (40, 45560), (Start: 75 @45395 has 243 MA's), (Start: 76 @45392 has 85 MA's), (Start: 77 @45386 has 2 MA's), (82, 45344), (93, 45272), (99, 45251), (118, 45155), (131, 45104), (139, 45038), (140, 45035), (145, 44984), (157, 44918), (161, 44906), (169, 44870), (183, 44825), (188, 44795), (195, 44756), (199, 44717), (203, 44684), (204, 44681), (208, 44657), (216, 44624), (219, 44603), (225, 44573), (243, 44459), (247, 44417), (248, 44396), (251, 44363), (261, 44291), (263, 44285), (271, 44237), (280, 44192), (285, 44168), (288, 44153), (290, 44129),

Gene: Phantasmagoria_50 Start: 44864, Stop: 43497, Start Num: 76
Candidate Starts for Phantasmagoria_50:
(Start: 76 @44864 has 85 MA's), (83, 44801), (85, 44786), (109, 44675), (Start: 117 @44624 has 5 MA's), (130, 44576), (135, 44528), (154, 44387), (157, 44378), (175, 44333), (177, 44327), (178,

44321), (183, 44309), (199, 44204), (203, 44171), (208, 44144), (216, 44111), (221, 44084), (225, 44060), (229, 44033), (235, 44006), (244, 43931), (248, 43886), (251, 43853), (258, 43832), (260, 43826), (266, 43793), (267, 43784), (269, 43775), (296, 43613), (297, 43595), (302, 43538),

Gene: Phareon_51 Start: 44943, Stop: 43540, Start Num: 75
Candidate Starts for Phareon_51:
(40, 45108), (Start: 75 @44943 has 243 MA's), (Start: 76 @44940 has 85 MA's), (Start: 77 @44934 has 2 MA's), (82, 44892), (93, 44820), (99, 44799), (118, 44703), (131, 44652), (139, 44586), (140, 44583), (145, 44532), (157, 44466), (161, 44454), (169, 44418), (183, 44373), (188, 44343), (195, 44304), (199, 44265), (203, 44232), (204, 44229), (208, 44205), (216, 44172), (219, 44151), (225, 44121), (243, 44007), (247, 43965), (248, 43944), (251, 43911), (261, 43839), (263, 43833), (271, 43785), (280, 43740), (285, 43716), (288, 43701), (290, 43677),

Gene: PhatCats2014_52 Start: 45389, Stop: 43989, Start Num: 76
Candidate Starts for PhatCats2014_52:
(11, 45770), (12, 45725), (19, 45683), (28, 45602), (40, 45557), (Start: 75 @45392 has 243 MA's), (Start: 76 @45389 has 85 MA's), (Start: 77 @45383 has 2 MA's), (82, 45341), (93, 45269), (99, 45248), (118, 45152), (131, 45101), (139, 45035), (140, 45032), (145, 44981), (157, 44915), (161, 44903), (169, 44867), (183, 44822), (188, 44792), (195, 44753), (199, 44714), (203, 44681), (204, 44678), (208, 44654), (216, 44621), (219, 44600), (225, 44570), (243, 44456), (247, 44414), (248, 44393), (251, 44360), (261, 44288), (263, 44282), (271, 44234), (280, 44189), (285, 44165), (288, 44150), (290, 44126),

Gene: PhatLouie_51 Start: 45243, Stop: 43843, Start Num: 76
Candidate Starts for PhatLouie_51:
(40, 45411), (Start: 75 @45246 has 243 MA's), (Start: 76 @45243 has 85 MA's), (Start: 77 @45237 has 2 MA's), (82, 45195), (93, 45123), (99, 45102), (118, 45006), (131, 44955), (139, 44889), (140, 44886), (143, 44862), (145, 44835), (157, 44769), (161, 44757), (169, 44721), (183, 44676), (188, 44646), (195, 44607), (199, 44568), (203, 44535), (204, 44532), (208, 44508), (216, 44475), (219, 44454), (225, 44424), (243, 44310), (247, 44268), (248, 44247), (251, 44214), (261, 44142), (263, 44136), (271, 44088), (280, 44043), (285, 44019), (288, 44004), (290, 43980),

Gene: Phayeta_50 Start: 44752, Stop: 43130, Start Num: 33
Candidate Starts for Phayeta_50:
(14, 44869), (15, 44863), (17, 44848), (Start: 33 @44752 has 9 MA's), (Start: 35 @44743 has 43 MA's), (56, 44647), (74, 44569), (91, 44434), (Start: 117 @44275 has 5 MA's), (123, 44260), (125, 44248), (131, 44218), (137, 44176), (145, 44098), (174, 43966), (180, 43933), (183, 43924), (198, 43831), (204, 43783), (207, 43768), (208, 43759), (216, 43726), (221, 43699), (225, 43675), (242, 43585), (251, 43474), (261, 43441), (264, 43423), (268, 43402), (274, 43369),

Gene: Phelemich_49 Start: 46254, Stop: 44887, Start Num: 79
Candidate Starts for Phelemich_49:
(40, 46425), (Start: 73 @46272 has 10 MA's), (Start: 79 @46254 has 2 MA's), (81, 46224), (118, 46035), (125, 46008), (126, 46005), (157, 45798), (164, 45780), (193, 45663), (200, 45600), (204, 45576), (207, 45561), (221, 45492), (225, 45468), (226, 45465), (245, 45333), (247, 45321), (248, 45300), (251, 45267), (253, 45249), (261, 45195), (269, 45150), (274, 45123), (289, 45042), (293, 45003), (294, 44997), (297, 44961),

Gene: PhenghisKhan_50 Start: 44867, Stop: 43464, Start Num: 75
Candidate Starts for PhenghisKhan_50:
(40, 45032), (Start: 75 @44867 has 243 MA's), (Start: 76 @44864 has 85 MA's), (Start: 77 @44858 has 2 MA's), (82, 44816), (93, 44744), (99, 44723), (118, 44627), (131, 44576), (139, 44510), (140, 44507), (145, 44456), (157, 44390), (161, 44378), (169, 44342), (183, 44297), (188, 44267), (195,

44228), (199, 44189), (203, 44156), (204, 44153), (206, 44147), (208, 44129), (216, 44096), (219, 44075), (225, 44045), (243, 43931), (247, 43889), (248, 43868), (251, 43835), (261, 43763), (263, 43757), (271, 43709), (280, 43664), (285, 43640), (288, 43625), (290, 43601),

Gene: Pherdinand_52 Start: 45404, Stop: 44001, Start Num: 75
Candidate Starts for Pherdinand_52:
(Start: 75 @45404 has 243 MA's), (Start: 76 @45401 has 85 MA's), (Start: 77 @45395 has 2 MA's), (82, 45353), (93, 45281), (99, 45260), (118, 45164), (131, 45113), (139, 45047), (140, 45044), (145, 44993), (157, 44927), (161, 44915), (169, 44879), (183, 44834), (188, 44804), (195, 44765), (199, 44726), (203, 44693), (204, 44690), (208, 44666), (216, 44633), (219, 44612), (225, 44582), (243, 44468), (247, 44426), (248, 44405), (251, 44372), (261, 44300), (263, 44294), (271, 44246), (280, 44201), (285, 44177), (288, 44162), (290, 44138),

Gene: Phergie_51 Start: 44859, Stop: 43456, Start Num: 75
Candidate Starts for Phergie_51:
(40, 45024), (Start: 75 @44859 has 243 MA's), (Start: 76 @44856 has 85 MA's), (Start: 77 @44850 has 2 MA's), (82, 44808), (93, 44736), (99, 44715), (118, 44619), (131, 44568), (139, 44502), (140, 44499), (145, 44448), (157, 44382), (161, 44370), (169, 44334), (183, 44289), (188, 44259), (195, 44220), (199, 44181), (203, 44148), (204, 44145), (206, 44139), (208, 44121), (216, 44088), (219, 44067), (225, 44037), (243, 43923), (247, 43881), (248, 43860), (251, 43827), (261, 43755), (263, 43749), (271, 43701), (280, 43656), (285, 43632), (288, 43617), (290, 43593),

Gene: Philly_48 Start: 44728, Stop: 43115, Start Num: 35
Candidate Starts for Philly_48:
(14, 44854), (15, 44848), (17, 44833), (Start: 33 @44737 has 9 MA's), (Start: 35 @44728 has 43 MA's), (56, 44632), (74, 44554), (91, 44419), (Start: 117 @44260 has 5 MA's), (123, 44245), (125, 44233), (131, 44203), (137, 44161), (145, 44083), (174, 43951), (180, 43918), (183, 43909), (198, 43816), (204, 43768), (207, 43753), (208, 43744), (216, 43711), (221, 43684), (225, 43660), (242, 43570), (251, 43459), (261, 43426), (262, 43423), (264, 43408), (268, 43387), (274, 43354),

Gene: Phipps_51 Start: 45223, Stop: 43820, Start Num: 75
Candidate Starts for Phipps_51:
(11, 45601), (12, 45556), (19, 45514), (28, 45433), (40, 45388), (Start: 75 @45223 has 243 MA's), (Start: 76 @45220 has 85 MA's), (Start: 77 @45214 has 2 MA's), (82, 45172), (93, 45100), (99, 45079), (118, 44983), (131, 44932), (139, 44866), (140, 44863), (145, 44812), (157, 44746), (161, 44734), (169, 44698), (183, 44653), (188, 44623), (195, 44584), (199, 44545), (203, 44512), (204, 44509), (208, 44485), (216, 44452), (219, 44431), (225, 44401), (243, 44287), (247, 44245), (248, 44224), (251, 44191), (261, 44119), (263, 44113), (271, 44065), (280, 44020), (285, 43996), (288, 43981), (290, 43957),

Gene: Phleuron_50 Start: 44864, Stop: 43461, Start Num: 75
Candidate Starts for Phleuron_50:
(40, 45029), (Start: 75 @44864 has 243 MA's), (Start: 76 @44861 has 85 MA's), (Start: 77 @44855 has 2 MA's), (82, 44813), (93, 44741), (99, 44720), (118, 44624), (131, 44573), (139, 44507), (140, 44504), (145, 44453), (157, 44387), (161, 44375), (169, 44339), (183, 44294), (188, 44264), (195, 44225), (199, 44186), (203, 44153), (204, 44150), (206, 44144), (208, 44126), (216, 44093), (219, 44072), (225, 44042), (243, 43928), (247, 43886), (248, 43865), (251, 43832), (261, 43760), (263, 43754), (271, 43706), (280, 43661), (285, 43637), (288, 43622), (290, 43598),

Gene: Phlyer_49 Start: 45617, Stop: 44004, Start Num: 35
Candidate Starts for Phlyer_49:
(14, 45743), (15, 45737), (17, 45722), (Start: 33 @45626 has 9 MA's), (Start: 35 @45617 has 43 MA's), (56, 45521), (74, 45443), (91, 45308), (Start: 117 @45149 has 5 MA's), (123, 45134), (125, 45122),

(131, 45092), (137, 45050), (145, 44972), (174, 44840), (180, 44807), (183, 44798), (198, 44705), (204, 44657), (207, 44642), (208, 44633), (221, 44573), (225, 44549), (242, 44459), (251, 44348), (261, 44315), (262, 44312), (264, 44297), (268, 44276), (274, 44243),

Gene: PhrankReynolds_49 Start: 44864, Stop: 43461, Start Num: 75
Candidate Starts for PhrankReynolds_49:
(40, 45029), (Start: 75 @44864 has 243 MA's), (Start: 76 @44861 has 85 MA's), (Start: 77 @44855 has 2 MA's), (82, 44813), (93, 44741), (99, 44720), (118, 44624), (131, 44573), (139, 44507), (140, 44504), (145, 44453), (157, 44387), (161, 44375), (169, 44339), (183, 44294), (188, 44264), (195, 44225), (199, 44186), (203, 44153), (204, 44150), (206, 44144), (208, 44126), (216, 44093), (219, 44072), (225, 44042), (243, 43928), (247, 43886), (248, 43865), (251, 43832), (261, 43760), (263, 43754), (271, 43706), (280, 43661), (285, 43637), (288, 43622), (290, 43598),

Gene: PhrodoBaggins_51 Start: 45371, Stop: 43968, Start Num: 75
Candidate Starts for PhrodoBaggins_51:
(40, 45536), (Start: 75 @45371 has 243 MA's), (Start: 76 @45368 has 85 MA's), (Start: 77 @45362 has 2 MA's), (82, 45320), (93, 45248), (99, 45227), (118, 45131), (131, 45080), (139, 45014), (140, 45011), (145, 44960), (157, 44894), (161, 44882), (169, 44846), (183, 44801), (188, 44771), (195, 44732), (199, 44693), (203, 44660), (204, 44657), (208, 44633), (216, 44600), (219, 44579), (225, 44549), (243, 44435), (247, 44393), (248, 44372), (251, 44339), (261, 44267), (263, 44261), (271, 44213), (280, 44168), (285, 44144), (288, 44129), (290, 44105),

Gene: Phunky_51 Start: 45240, Stop: 43837, Start Num: 75
Candidate Starts for Phunky_51:
(40, 45405), (Start: 75 @45240 has 243 MA's), (Start: 76 @45237 has 85 MA's), (Start: 77 @45231 has 2 MA's), (82, 45189), (93, 45117), (99, 45096), (118, 45000), (131, 44949), (139, 44883), (140, 44880), (145, 44829), (157, 44763), (161, 44751), (169, 44715), (183, 44670), (188, 44640), (195, 44601), (199, 44562), (203, 44529), (204, 44526), (208, 44502), (216, 44469), (219, 44448), (225, 44418), (243, 44304), (247, 44262), (248, 44241), (251, 44208), (261, 44136), (263, 44130), (271, 44082), (280, 44037), (285, 44013), (288, 43998), (290, 43974),

Gene: Piglet_0051 Start: 45365, Stop: 43962, Start Num: 75
Candidate Starts for Piglet_0051:
(40, 45530), (Start: 75 @45365 has 243 MA's), (Start: 76 @45362 has 85 MA's), (Start: 77 @45356 has 2 MA's), (82, 45314), (93, 45242), (99, 45221), (118, 45125), (131, 45074), (139, 45008), (140, 45005), (143, 44981), (145, 44954), (157, 44888), (161, 44876), (169, 44840), (183, 44795), (188, 44765), (195, 44726), (199, 44687), (203, 44654), (204, 44651), (208, 44627), (216, 44594), (219, 44573), (225, 44543), (243, 44429), (247, 44387), (248, 44366), (251, 44333), (261, 44261), (263, 44255), (271, 44207), (280, 44162), (285, 44138), (288, 44123), (290, 44099),

Gene: Pine5_42 Start: 35716, Stop: 34616, Start Num: 113
Candidate Starts for Pine5_42:
(113, 35716), (145, 35521), (166, 35425), (190, 35359), (192, 35350), (197, 35326), (211, 35227), (217, 35206), (221, 35182), (237, 35107), (242, 35077), (245, 35032), (248, 34999), (251, 34966), (282, 34822), (285, 34810), (287, 34801), (290, 34768), (292, 34750), (298, 34693), (300, 34663), (305, 34627),

Gene: PinheadLarry_51 Start: 44953, Stop: 43550, Start Num: 72
Candidate Starts for PinheadLarry_51:
(40, 45115), (Start: 72 @44953 has 35 MA's), (Start: 76 @44950 has 85 MA's), (82, 44902), (93, 44830), (99, 44809), (118, 44713), (131, 44662), (139, 44596), (140, 44593), (143, 44569), (145, 44542), (157, 44476), (161, 44464), (169, 44428), (183, 44383), (188, 44353), (195, 44314), (199, 44275), (203, 44242), (204, 44239), (208, 44215), (216, 44182), (219, 44161), (225, 44131), (243,

44017), (247, 43975), (248, 43954), (251, 43921), (261, 43849), (263, 43843), (271, 43795), (280, 43750), (285, 43726), (288, 43711), (290, 43687),

Gene: Pinkman_50 Start: 44802, Stop: 43399, Start Num: 75
Candidate Starts for Pinkman_50:
(11, 45180), (12, 45135), (19, 45093), (28, 45012), (40, 44967), (Start: 75 @44802 has 243 MA's), (Start: 76 @44799 has 85 MA's), (Start: 77 @44793 has 2 MA's), (82, 44751), (93, 44679), (99, 44658), (118, 44562), (131, 44511), (139, 44445), (140, 44442), (145, 44391), (157, 44325), (161, 44313), (169, 44277), (183, 44232), (188, 44202), (195, 44163), (199, 44124), (203, 44091), (204, 44088), (206, 44082), (208, 44064), (216, 44031), (219, 44010), (225, 43980), (243, 43866), (247, 43824), (248, 43803), (251, 43770), (261, 43698), (263, 43692), (271, 43644), (280, 43599), (285, 43575), (288, 43560), (290, 43536),

Gene: Pipefish_51 Start: 46266, Stop: 44656, Start Num: 35
Candidate Starts for Pipefish_51:
(14, 46392), (15, 46386), (17, 46371), (Start: 33 @46275 has 9 MA's), (Start: 35 @46266 has 43 MA's), (56, 46170), (74, 46092), (89, 45969), (91, 45957), (96, 45933), (100, 45918), (Start: 117 @45801 has 5 MA's), (123, 45786), (125, 45774), (131, 45744), (137, 45702), (145, 45624), (174, 45492), (180, 45459), (183, 45450), (198, 45357), (204, 45309), (207, 45294), (208, 45285), (216, 45252), (221, 45225), (225, 45201), (242, 45111), (251, 45000), (261, 44967), (262, 44964), (264, 44949), (268, 44928), (274, 44895),

Gene: Pipsqueak_51 Start: 45247, Stop: 43844, Start Num: 75
Candidate Starts for Pipsqueak_51:
(11, 45625), (12, 45580), (19, 45538), (28, 45457), (40, 45412), (Start: 75 @45247 has 243 MA's), (Start: 76 @45244 has 85 MA's), (Start: 77 @45238 has 2 MA's), (82, 45196), (93, 45124), (99, 45103), (118, 45007), (131, 44956), (139, 44890), (140, 44887), (145, 44836), (157, 44770), (161, 44758), (169, 44722), (183, 44677), (188, 44647), (195, 44608), (199, 44569), (203, 44536), (204, 44533), (208, 44509), (216, 44476), (219, 44455), (225, 44425), (243, 44311), (247, 44269), (248, 44248), (251, 44215), (261, 44143), (263, 44137), (271, 44089), (280, 44044), (285, 44020), (288, 44005), (290, 43981),

Gene: Placalicious_50 Start: 44940, Stop: 43537, Start Num: 75
Candidate Starts for Placalicious_50:
(40, 45105), (Start: 75 @44940 has 243 MA's), (Start: 76 @44937 has 85 MA's), (Start: 77 @44931 has 2 MA's), (82, 44889), (93, 44817), (99, 44796), (118, 44700), (131, 44649), (139, 44583), (140, 44580), (143, 44556), (145, 44529), (157, 44463), (161, 44451), (169, 44415), (183, 44370), (188, 44340), (195, 44301), (199, 44262), (203, 44229), (204, 44226), (208, 44202), (216, 44169), (219, 44148), (225, 44118), (243, 44004), (247, 43962), (248, 43941), (251, 43908), (261, 43836), (263, 43830), (271, 43782), (280, 43737), (285, 43713), (288, 43698), (290, 43674),

Gene: Plata_50 Start: 44958, Stop: 43555, Start Num: 72
Candidate Starts for Plata_50:
(40, 45120), (Start: 72 @44958 has 35 MA's), (Start: 76 @44955 has 85 MA's), (82, 44907), (93, 44835), (99, 44814), (118, 44718), (131, 44667), (139, 44601), (140, 44598), (143, 44574), (145, 44547), (157, 44481), (161, 44469), (169, 44433), (183, 44388), (188, 44358), (195, 44319), (199, 44280), (203, 44247), (204, 44244), (206, 44238), (208, 44220), (216, 44187), (219, 44166), (225, 44136), (243, 44022), (247, 43980), (248, 43959), (251, 43926), (261, 43854), (263, 43848), (271, 43800), (280, 43755), (285, 43731), (288, 43716), (290, 43692),

Gene: Plmatters_51 Start: 45243, Stop: 43840, Start Num: 75
Candidate Starts for Plmatters_51:

(40, 45408), (Start: 75 @45243 has 243 MA's), (Start: 76 @45240 has 85 MA's), (Start: 77 @45234 has 2 MA's), (82, 45192), (93, 45120), (99, 45099), (118, 45003), (131, 44952), (139, 44886), (140, 44883), (145, 44832), (157, 44766), (161, 44754), (169, 44718), (183, 44673), (188, 44643), (195, 44604), (199, 44565), (203, 44532), (204, 44529), (208, 44505), (216, 44472), (219, 44451), (225, 44421), (243, 44307), (247, 44265), (248, 44244), (251, 44211), (261, 44139), (263, 44133), (271, 44085), (280, 44040), (285, 44016), (288, 44001), (290, 43977),

Gene: Podrick_51 Start: 45234, Stop: 43831, Start Num: 75
Candidate Starts for Podrick_51:
(11, 45612), (12, 45567), (19, 45525), (28, 45444), (40, 45399), (Start: 75 @45234 has 243 MA's), (Start: 76 @45231 has 85 MA's), (Start: 77 @45225 has 2 MA's), (82, 45183), (93, 45111), (99, 45090), (118, 44994), (131, 44943), (139, 44877), (140, 44874), (145, 44823), (157, 44757), (161, 44745), (169, 44709), (183, 44664), (188, 44634), (195, 44595), (199, 44556), (203, 44523), (204, 44520), (208, 44496), (216, 44463), (219, 44442), (225, 44412), (243, 44298), (247, 44256), (248, 44235), (251, 44202), (261, 44130), (263, 44124), (271, 44076), (280, 44031), (285, 44007), (288, 43992), (290, 43968),

Gene: Pops_51 Start: 45258, Stop: 43855, Start Num: 75
Candidate Starts for Pops_51:
(11, 45636), (12, 45591), (19, 45549), (28, 45468), (40, 45423), (Start: 75 @45258 has 243 MA's), (Start: 76 @45255 has 85 MA's), (Start: 77 @45249 has 2 MA's), (82, 45207), (93, 45135), (99, 45114), (118, 45018), (131, 44967), (139, 44901), (140, 44898), (143, 44874), (145, 44847), (157, 44781), (161, 44769), (169, 44733), (183, 44688), (188, 44658), (195, 44619), (199, 44580), (203, 44547), (204, 44544), (208, 44520), (216, 44487), (219, 44466), (225, 44436), (243, 44322), (247, 44280), (248, 44259), (251, 44226), (261, 44154), (263, 44148), (271, 44100), (280, 44055), (285, 44031), (288, 44016), (290, 43992),

Gene: Poster_45 Start: 44678, Stop: 43338, Start Num: 75
Candidate Starts for Poster_45:
(Start: 72 @44681 has 35 MA's), (Start: 75 @44678 has 243 MA's), (Start: 77 @44669 has 2 MA's), (78, 44663), (84, 44612), (115, 44465), (131, 44399), (133, 44375), (157, 44213), (163, 44195), (165, 44180), (166, 44177), (173, 44150), (189, 44087), (191, 44078), (202, 43991), (207, 43967), (216, 43925), (217, 43922), (219, 43904), (225, 43874), (232, 43847), (237, 43814), (241, 43793), (242, 43784), (245, 43739), (246, 43733), (247, 43724), (248, 43703), (251, 43670), (263, 43631), (274, 43565), (275, 43562), (289, 43493), (290, 43475),

Gene: Potter_50 Start: 44970, Stop: 43567, Start Num: 75
Candidate Starts for Potter_50:
(11, 45348), (12, 45303), (19, 45261), (28, 45180), (40, 45135), (Start: 75 @44970 has 243 MA's), (Start: 76 @44967 has 85 MA's), (Start: 77 @44961 has 2 MA's), (82, 44919), (93, 44847), (99, 44826), (118, 44730), (131, 44679), (139, 44613), (140, 44610), (145, 44559), (157, 44493), (161, 44481), (169, 44445), (183, 44400), (188, 44370), (195, 44331), (199, 44292), (203, 44259), (204, 44256), (206, 44250), (208, 44232), (216, 44199), (219, 44178), (225, 44148), (243, 44034), (247, 43992), (248, 43971), (251, 43938), (261, 43866), (263, 43860), (271, 43812), (280, 43767), (285, 43743), (288, 43728), (290, 43704),

Gene: Prickles_51 Start: 45234, Stop: 43831, Start Num: 75
Candidate Starts for Prickles_51:
(11, 45612), (12, 45567), (19, 45525), (28, 45444), (40, 45399), (Start: 75 @45234 has 243 MA's), (Start: 76 @45231 has 85 MA's), (Start: 77 @45225 has 2 MA's), (82, 45183), (93, 45111), (99, 45090), (118, 44994), (131, 44943), (139, 44877), (140, 44874), (145, 44823), (157, 44757), (161, 44745), (169, 44709), (183, 44664), (188, 44634), (195, 44595), (199, 44556), (203, 44523), (204, 44520), (208, 44496), (216, 44463), (219, 44442), (225, 44412), (243, 44298), (247, 44256), (248,

44235), (251, 44202), (261, 44130), (263, 44124), (271, 44076), (280, 44031), (285, 44007), (288, 43992), (290, 43968),

Gene: Prince_46 Start: 45887, Stop: 44547, Start Num: 75
Candidate Starts for Prince_46:
(Start: 72 @45890 has 35 MA's), (Start: 75 @45887 has 243 MA's), (Start: 77 @45878 has 2 MA's), (78, 45872), (84, 45821), (115, 45674), (126, 45629), (131, 45608), (148, 45467), (151, 45443), (157, 45422), (158, 45419), (163, 45404), (165, 45389), (187, 45320), (188, 45305), (191, 45287), (196, 45263), (204, 45191), (208, 45167), (216, 45134), (217, 45131), (219, 45113), (225, 45083), (237, 45023), (240, 45005), (242, 44993), (245, 44948), (246, 44942), (247, 44933), (250, 44903), (251, 44879), (263, 44840), (270, 44795), (274, 44774), (275, 44771), (289, 44702), (290, 44684),

Gene: PrinceCharming_50 Start: 44963, Stop: 43596, Start Num: 76
Candidate Starts for PrinceCharming_50:
(Start: 76 @44963 has 85 MA's), (83, 44900), (85, 44885), (109, 44774), (Start: 117 @44723 has 5 MA's), (130, 44675), (135, 44627), (154, 44486), (157, 44477), (175, 44432), (177, 44426), (178, 44420), (183, 44408), (199, 44303), (203, 44270), (207, 44252), (208, 44243), (216, 44210), (221, 44183), (225, 44159), (229, 44132), (235, 44105), (244, 44030), (248, 43985), (251, 43952), (258, 43931), (260, 43925), (266, 43892), (267, 43883), (269, 43874), (296, 43712), (297, 43694), (302, 43637),

Gene: ProfessorX_51 Start: 45235, Stop: 43832, Start Num: 75
Candidate Starts for ProfessorX_51:
(11, 45613), (12, 45568), (19, 45526), (28, 45445), (40, 45400), (Start: 75 @45235 has 243 MA's), (Start: 76 @45232 has 85 MA's), (Start: 77 @45226 has 2 MA's), (82, 45184), (93, 45112), (99, 45091), (118, 44995), (131, 44944), (139, 44878), (140, 44875), (143, 44851), (145, 44824), (157, 44758), (161, 44746), (169, 44710), (183, 44665), (188, 44635), (195, 44596), (199, 44557), (203, 44524), (204, 44521), (208, 44497), (216, 44464), (219, 44443), (225, 44413), (243, 44299), (247, 44257), (248, 44236), (251, 44203), (261, 44131), (263, 44125), (271, 44077), (280, 44032), (285, 44008), (288, 43993), (290, 43969),

Gene: Puhltonio_51 Start: 45244, Stop: 43841, Start Num: 75
Candidate Starts for Puhltonio_51:
(11, 45622), (12, 45577), (19, 45535), (28, 45454), (40, 45409), (Start: 75 @45244 has 243 MA's), (Start: 76 @45241 has 85 MA's), (Start: 77 @45235 has 2 MA's), (82, 45193), (93, 45121), (99, 45100), (118, 45004), (131, 44953), (139, 44887), (140, 44884), (145, 44833), (157, 44767), (161, 44755), (169, 44719), (183, 44674), (188, 44644), (195, 44605), (199, 44566), (203, 44533), (204, 44530), (208, 44506), (216, 44473), (219, 44452), (225, 44422), (243, 44308), (247, 44266), (248, 44245), (251, 44212), (261, 44140), (263, 44134), (271, 44086), (280, 44041), (285, 44017), (288, 44002), (290, 43978),

Gene: QueenBeane_51 Start: 45234, Stop: 43831, Start Num: 75
Candidate Starts for QueenBeane_51:
(11, 45612), (12, 45567), (19, 45525), (28, 45444), (40, 45399), (Start: 75 @45234 has 243 MA's), (Start: 76 @45231 has 85 MA's), (Start: 77 @45225 has 2 MA's), (82, 45183), (93, 45111), (99, 45090), (118, 44994), (131, 44943), (139, 44877), (140, 44874), (145, 44823), (157, 44757), (161, 44745), (169, 44709), (183, 44664), (188, 44634), (195, 44595), (199, 44556), (203, 44523), (204, 44520), (208, 44496), (216, 44463), (219, 44442), (225, 44412), (243, 44298), (247, 44256), (248, 44235), (251, 44202), (261, 44130), (263, 44124), (271, 44076), (280, 44031), (285, 44007), (288, 43992), (290, 43968),

Gene: QueenPie_45 Start: 45796, Stop: 44456, Start Num: 75
Candidate Starts for QueenPie_45:

(Start: 72 @45799 has 35 MA's), (Start: 75 @45796 has 243 MA's), (Start: 77 @45787 has 2 MA's), (78, 45781), (115, 45583), (131, 45517), (133, 45493), (145, 45397), (157, 45331), (163, 45313), (165, 45298), (166, 45295), (173, 45268), (189, 45205), (191, 45196), (202, 45109), (204, 45100), (207, 45085), (216, 45043), (217, 45040), (219, 45022), (222, 45004), (225, 44992), (232, 44965), (237, 44932), (241, 44911), (242, 44902), (245, 44857), (246, 44851), (247, 44842), (248, 44821), (251, 44788), (263, 44749), (274, 44683), (275, 44680), (289, 44611), (290, 44593),

Gene: Quesadilla_52 Start: 47383, Stop: 46022, Start Num: 68
Candidate Starts for Quesadilla_52:
(50, 47464), (63, 47407), (Start: 68 @47383 has 1 MA's), (Start: 70 @47380 has 3 MA's), (Start: 77 @47362 has 2 MA's), (Start: 79 @47353 has 2 MA's), (118, 47131), (142, 46990), (157, 46894), (165, 46861), (180, 46822), (193, 46759), (196, 46744), (204, 46672), (207, 46657), (214, 46621), (216, 46615), (219, 46594), (220, 46591), (232, 46537), (234, 46516), (240, 46486), (246, 46423), (248, 46393), (260, 46333), (274, 46255), (275, 46252), (285, 46204), (289, 46183), (297, 46102), (302, 46045),

Gene: Quisquiliae_51 Start: 45271, Stop: 43868, Start Num: 75
Candidate Starts for Quisquiliae_51:
(11, 45649), (12, 45604), (19, 45562), (28, 45481), (40, 45436), (Start: 75 @45271 has 243 MA's), (Start: 76 @45268 has 85 MA's), (Start: 77 @45262 has 2 MA's), (82, 45220), (93, 45148), (99, 45127), (118, 45031), (131, 44980), (139, 44914), (140, 44911), (145, 44860), (157, 44794), (161, 44782), (169, 44746), (183, 44701), (188, 44671), (195, 44632), (199, 44593), (203, 44560), (204, 44557), (208, 44533), (216, 44500), (219, 44479), (225, 44449), (243, 44335), (247, 44293), (248, 44272), (251, 44239), (261, 44167), (263, 44161), (271, 44113), (280, 44068), (285, 44044), (288, 44029), (290, 44005),

Gene: Qyrzula_47 Start: 44983, Stop: 43616, Start Num: 76
Candidate Starts for Qyrzula_47:
(Start: 76 @44983 has 85 MA's), (83, 44920), (85, 44905), (109, 44794), (Start: 117 @44743 has 5 MA's), (130, 44695), (135, 44647), (152, 44512), (154, 44506), (157, 44497), (175, 44452), (177, 44446), (178, 44440), (183, 44428), (199, 44323), (203, 44290), (208, 44263), (216, 44230), (221, 44203), (225, 44179), (229, 44152), (235, 44125), (244, 44050), (248, 44005), (251, 43972), (258, 43951), (260, 43945), (266, 43912), (267, 43903), (269, 43894), (289, 43795), (296, 43732), (297, 43714), (302, 43657),

Gene: RagingRooster_49 Start: 44878, Stop: 43265, Start Num: 35
Candidate Starts for RagingRooster_49:
(14, 45004), (15, 44998), (17, 44983), (Start: 33 @44887 has 9 MA's), (Start: 35 @44878 has 43 MA's), (56, 44782), (74, 44704), (91, 44569), (Start: 117 @44410 has 5 MA's), (123, 44395), (125, 44383), (131, 44353), (137, 44311), (145, 44233), (156, 44167), (157, 44164), (174, 44101), (180, 44068), (183, 44059), (198, 43966), (204, 43918), (205, 43915), (207, 43903), (208, 43894), (221, 43834), (225, 43810), (242, 43720), (251, 43609), (261, 43576), (262, 43573), (264, 43558), (268, 43537), (274, 43504),

Gene: RawrgerThat_47 Start: 45738, Stop: 44398, Start Num: 75
Candidate Starts for RawrgerThat_47:
(Start: 72 @45741 has 35 MA's), (Start: 75 @45738 has 243 MA's), (Start: 77 @45729 has 2 MA's), (78, 45723), (84, 45672), (115, 45525), (126, 45480), (131, 45459), (148, 45318), (151, 45294), (157, 45273), (158, 45270), (163, 45255), (165, 45240), (187, 45171), (188, 45156), (196, 45114), (204, 45042), (207, 45027), (208, 45018), (216, 44985), (217, 44982), (219, 44964), (225, 44934), (237, 44874), (240, 44856), (242, 44844), (245, 44799), (246, 44793), (247, 44784), (250, 44754), (251, 44730), (263, 44691), (270, 44646), (274, 44625), (275, 44622), (289, 44553), (290, 44535),

Gene: Reccee_51 Start: 46326, Stop: 44944, Start Num: 73
Candidate Starts for Reccee_51:
(40, 46476), (Start: 73 @46326 has 10 MA's), (Start: 79 @46308 has 2 MA's), (99, 46179), (118, 46092), (126, 46062), (149, 45897), (157, 45855), (164, 45837), (167, 45822), (185, 45771), (193, 45720), (204, 45633), (207, 45618), (208, 45609), (218, 45558), (221, 45549), (225, 45525), (226, 45522), (245, 45390), (248, 45357), (251, 45324), (253, 45306), (261, 45252), (269, 45207), (274, 45180), (289, 45099), (290, 45081), (297, 45018),

Gene: RedMaple_51 Start: 45385, Stop: 43982, Start Num: 75
Candidate Starts for RedMaple_51:
(40, 45550), (Start: 75 @45385 has 243 MA's), (Start: 76 @45382 has 85 MA's), (Start: 77 @45376 has 2 MA's), (82, 45334), (93, 45262), (99, 45241), (118, 45145), (131, 45094), (139, 45028), (140, 45025), (145, 44974), (157, 44908), (161, 44896), (169, 44860), (183, 44815), (188, 44785), (195, 44746), (199, 44707), (203, 44674), (204, 44671), (208, 44647), (216, 44614), (219, 44593), (225, 44563), (243, 44449), (247, 44407), (248, 44386), (251, 44353), (261, 44281), (263, 44275), (271, 44227), (280, 44182), (285, 44158), (288, 44143), (290, 44119),

Gene: RedRaider89_52 Start: 45468, Stop: 44065, Start Num: 75
Candidate Starts for RedRaider89_52:
(40, 45633), (Start: 75 @45468 has 243 MA's), (Start: 76 @45465 has 85 MA's), (Start: 77 @45459 has 2 MA's), (82, 45417), (93, 45345), (99, 45324), (118, 45228), (131, 45177), (139, 45111), (140, 45108), (145, 45057), (157, 44991), (161, 44979), (169, 44943), (183, 44898), (188, 44868), (195, 44829), (199, 44790), (203, 44757), (204, 44754), (208, 44730), (216, 44697), (219, 44676), (225, 44646), (243, 44532), (247, 44490), (248, 44469), (251, 44436), (261, 44364), (263, 44358), (271, 44310), (280, 44265), (285, 44241), (288, 44226), (290, 44202),

Gene: Renkei_45 Start: 44700, Stop: 43360, Start Num: 75
Candidate Starts for Renkei_45:
(Start: 72 @44703 has 35 MA's), (Start: 75 @44700 has 243 MA's), (Start: 77 @44691 has 2 MA's), (78, 44685), (84, 44634), (115, 44487), (131, 44421), (133, 44397), (157, 44235), (163, 44217), (165, 44202), (166, 44199), (173, 44172), (189, 44109), (191, 44100), (202, 44013), (204, 44004), (207, 43989), (216, 43947), (217, 43944), (219, 43926), (222, 43908), (225, 43896), (232, 43869), (237, 43836), (241, 43815), (242, 43806), (245, 43761), (246, 43755), (247, 43746), (248, 43725), (251, 43692), (263, 43653), (274, 43587), (275, 43584), (289, 43515), (290, 43497),

Gene: Reprobate_50 Start: 46277, Stop: 44892, Start Num: 73
Candidate Starts for Reprobate_50:
(40, 46430), (Start: 73 @46277 has 10 MA's), (Start: 79 @46259 has 2 MA's), (81, 46229), (118, 46040), (125, 46013), (126, 46010), (157, 45803), (164, 45785), (193, 45668), (200, 45605), (204, 45581), (207, 45566), (221, 45497), (225, 45473), (226, 45470), (245, 45338), (247, 45326), (248, 45305), (251, 45272), (253, 45254), (261, 45200), (269, 45155), (274, 45128), (289, 45047), (293, 45008), (294, 45002), (297, 44966),

Gene: Rhinoforte_50 Start: 44985, Stop: 43618, Start Num: 76
Candidate Starts for Rhinoforte_50:
(Start: 76 @44985 has 85 MA's), (83, 44922), (85, 44907), (109, 44796), (Start: 117 @44745 has 5 MA's), (130, 44697), (135, 44649), (154, 44508), (157, 44499), (175, 44454), (177, 44448), (178, 44442), (183, 44430), (199, 44325), (203, 44292), (208, 44265), (216, 44232), (221, 44205), (225, 44181), (229, 44154), (235, 44127), (244, 44052), (248, 44007), (251, 43974), (258, 43953), (260, 43947), (266, 43914), (269, 43896), (296, 43734), (297, 43716), (302, 43659),

Gene: Rich_49 Start: 46053, Stop: 44674, Start Num: 73
Candidate Starts for Rich_49:

(29, 46257), (32, 46248), (53, 46143), (Start: 73 @46053 has 10 MA's), (Start: 79 @46035 has 2 MA's), (118, 45822), (126, 45792), (149, 45627), (157, 45585), (164, 45567), (167, 45552), (168, 45549), (185, 45501), (193, 45450), (204, 45363), (207, 45348), (208, 45339), (218, 45288), (221, 45279), (225, 45255), (226, 45252), (241, 45174), (242, 45165), (245, 45120), (251, 45054), (253, 45036), (261, 44982), (269, 44937), (274, 44910), (289, 44829), (297, 44748),

Gene: Ricotta_50 Start: 44954, Stop: 43554, Start Num: 76
Candidate Starts for Ricotta_50:
(11, 45335), (12, 45290), (19, 45248), (28, 45167), (40, 45122), (Start: 75 @44957 has 243 MA's), (Start: 76 @44954 has 85 MA's), (Start: 77 @44948 has 2 MA's), (82, 44906), (93, 44834), (99, 44813), (118, 44717), (131, 44666), (139, 44600), (140, 44597), (145, 44546), (157, 44480), (161, 44468), (169, 44432), (183, 44387), (188, 44357), (195, 44318), (199, 44279), (203, 44246), (204, 44243), (208, 44219), (216, 44186), (219, 44165), (225, 44135), (243, 44021), (247, 43979), (248, 43958), (251, 43925), (261, 43853), (263, 43847), (271, 43799), (280, 43754), (285, 43730), (288, 43715), (290, 43691),

Gene: Riggan_51 Start: 45230, Stop: 43827, Start Num: 75
Candidate Starts for Riggan_51:
(11, 45608), (12, 45563), (19, 45521), (28, 45440), (40, 45395), (Start: 75 @45230 has 243 MA's), (Start: 76 @45227 has 85 MA's), (Start: 77 @45221 has 2 MA's), (82, 45179), (93, 45107), (99, 45086), (118, 44990), (131, 44939), (139, 44873), (140, 44870), (145, 44819), (157, 44753), (161, 44741), (169, 44705), (183, 44660), (188, 44630), (195, 44591), (199, 44552), (203, 44519), (204, 44516), (208, 44492), (216, 44459), (219, 44438), (225, 44408), (243, 44294), (247, 44252), (248, 44231), (251, 44198), (261, 44126), (263, 44120), (271, 44072), (280, 44027), (285, 44003), (288, 43988), (290, 43964),

Gene: Rimu_51 Start: 44967, Stop: 43567, Start Num: 76
Candidate Starts for Rimu_51:
(11, 45348), (12, 45303), (19, 45261), (28, 45180), (40, 45135), (Start: 75 @44970 has 243 MA's), (Start: 76 @44967 has 85 MA's), (Start: 77 @44961 has 2 MA's), (82, 44919), (93, 44847), (99, 44826), (118, 44730), (131, 44679), (139, 44613), (140, 44610), (145, 44559), (157, 44493), (161, 44481), (169, 44445), (183, 44400), (188, 44370), (195, 44331), (199, 44292), (203, 44259), (204, 44256), (208, 44232), (216, 44199), (219, 44178), (225, 44148), (243, 44034), (247, 43992), (248, 43971), (251, 43938), (261, 43866), (263, 43860), (271, 43812), (280, 43767), (285, 43743), (288, 43728), (290, 43704),

Gene: Rinkes_51 Start: 46908, Stop: 45520, Start Num: 69
Candidate Starts for Rinkes_51:
(62, 46938), (Start: 69 @46908 has 2 MA's), (Start: 77 @46890 has 2 MA's), (78, 46884), (107, 46719), (108, 46713), (118, 46638), (137, 46545), (155, 46407), (180, 46329), (191, 46278), (193, 46269), (195, 46257), (196, 46254), (202, 46191), (204, 46182), (207, 46167), (216, 46125), (217, 46122), (219, 46104), (221, 46098), (222, 46086), (225, 46074), (232, 46035), (234, 46014), (242, 45972), (245, 45927), (248, 45891), (251, 45858), (261, 45825), (263, 45819), (273, 45756), (274, 45753), (275, 45750), (289, 45681), (294, 45636), (299, 45579), (302, 45543),

Gene: Rita130_50 Start: 46128, Stop: 44764, Start Num: 79
Candidate Starts for Rita130_50:
(40, 46296), (Start: 73 @46146 has 10 MA's), (Start: 79 @46128 has 2 MA's), (99, 45999), (118, 45912), (126, 45882), (149, 45717), (157, 45675), (164, 45657), (167, 45642), (185, 45591), (193, 45540), (204, 45453), (207, 45438), (208, 45429), (218, 45378), (221, 45369), (225, 45345), (226, 45342), (245, 45210), (248, 45177), (251, 45144), (253, 45126), (261, 45072), (269, 45027), (274, 45000), (289, 44919), (290, 44901), (297, 44838),

Gene: Rita1961_49 Start: 44862, Stop: 43249, Start Num: 35
Candidate Starts for Rita1961_49:
(14, 44988), (15, 44982), (17, 44967), (Start: 33 @44871 has 9 MA's), (Start: 35 @44862 has 43 MA's), (56, 44766), (74, 44688), (91, 44553), (Start: 117 @44394 has 5 MA's), (123, 44379), (125, 44367), (131, 44337), (137, 44295), (145, 44217), (174, 44085), (180, 44052), (183, 44043), (198, 43950), (204, 43902), (207, 43887), (208, 43878), (216, 43845), (221, 43818), (225, 43794), (242, 43704), (251, 43593), (261, 43560), (264, 43542), (268, 43521), (274, 43488),

Gene: Riverton_51 Start: 45253, Stop: 43859, Start Num: 77
Candidate Starts for Riverton_51:
(40, 45427), (Start: 75 @45262 has 243 MA's), (Start: 76 @45259 has 85 MA's), (Start: 77 @45253 has 2 MA's), (82, 45211), (93, 45139), (99, 45118), (118, 45022), (131, 44971), (139, 44905), (140, 44902), (145, 44851), (157, 44785), (161, 44773), (169, 44737), (183, 44692), (188, 44662), (195, 44623), (199, 44584), (203, 44551), (204, 44548), (208, 44524), (216, 44491), (219, 44470), (225, 44440), (243, 44326), (247, 44284), (248, 44263), (251, 44230), (261, 44158), (263, 44152), (271, 44104), (280, 44059), (285, 44035), (288, 44020), (290, 43996),

Gene: Robyn_50 Start: 44826, Stop: 43423, Start Num: 75
Candidate Starts for Robyn_50:
(11, 45204), (12, 45159), (19, 45117), (28, 45036), (40, 44991), (Start: 75 @44826 has 243 MA's), (Start: 76 @44823 has 85 MA's), (Start: 77 @44817 has 2 MA's), (82, 44775), (93, 44703), (99, 44682), (118, 44586), (131, 44535), (139, 44469), (140, 44466), (145, 44415), (157, 44349), (161, 44337), (169, 44301), (183, 44256), (188, 44226), (195, 44187), (199, 44148), (203, 44115), (204, 44112), (208, 44088), (216, 44055), (219, 44034), (225, 44004), (243, 43890), (247, 43848), (248, 43827), (251, 43794), (261, 43722), (263, 43716), (271, 43668), (280, 43623), (285, 43599), (288, 43584), (290, 43560),

Gene: Roliet_51 Start: 45243, Stop: 43840, Start Num: 75
Candidate Starts for Roliet_51:
(11, 45621), (12, 45576), (19, 45534), (28, 45453), (40, 45408), (Start: 75 @45243 has 243 MA's), (Start: 76 @45240 has 85 MA's), (Start: 77 @45234 has 2 MA's), (82, 45192), (93, 45120), (99, 45099), (118, 45003), (131, 44952), (139, 44886), (140, 44883), (145, 44832), (157, 44766), (161, 44754), (169, 44718), (183, 44673), (188, 44643), (195, 44604), (199, 44565), (203, 44532), (204, 44529), (208, 44505), (216, 44472), (219, 44451), (225, 44421), (243, 44307), (247, 44265), (248, 44244), (251, 44211), (261, 44139), (263, 44133), (271, 44085), (280, 44040), (285, 44016), (288, 44001), (290, 43977),

Gene: RomaT_49 Start: 45660, Stop: 44038, Start Num: 33
Candidate Starts for RomaT_49:
(14, 45777), (15, 45771), (17, 45756), (Start: 33 @45660 has 9 MA's), (Start: 35 @45651 has 43 MA's), (56, 45555), (74, 45477), (91, 45342), (Start: 117 @45183 has 5 MA's), (123, 45168), (125, 45156), (131, 45126), (137, 45084), (145, 45006), (174, 44874), (180, 44841), (183, 44832), (198, 44739), (204, 44691), (207, 44676), (208, 44667), (221, 44607), (225, 44583), (242, 44493), (251, 44382), (261, 44349), (262, 44346), (264, 44331), (268, 44310), (274, 44277),

Gene: Roscoe_52 Start: 45480, Stop: 44077, Start Num: 75
Candidate Starts for Roscoe_52:
(11, 45858), (12, 45813), (19, 45771), (28, 45690), (40, 45645), (Start: 75 @45480 has 243 MA's), (Start: 76 @45477 has 85 MA's), (Start: 77 @45471 has 2 MA's), (82, 45429), (93, 45357), (99, 45336), (118, 45240), (131, 45189), (139, 45123), (140, 45120), (145, 45069), (157, 45003), (161, 44991), (169, 44955), (183, 44910), (188, 44880), (195, 44841), (199, 44802), (203, 44769), (204, 44766), (208, 44742), (216, 44709), (219, 44688), (225, 44658), (243, 44544), (247, 44502), (248, 44481), (251, 44448), (261, 44376), (263, 44370), (271, 44322), (280, 44277), (285, 44253), (288,

44238), (290, 44214),

Gene: Rosebush_49 Start: 44997, Stop: 43630, Start Num: 76
Candidate Starts for Rosebush_49:
(Start: 76 @44997 has 85 MA's), (83, 44934), (85, 44919), (109, 44808), (Start: 117 @44757 has 5 MA's), (130, 44709), (135, 44661), (154, 44520), (157, 44511), (175, 44466), (177, 44460), (178, 44454), (183, 44442), (199, 44337), (203, 44304), (207, 44286), (208, 44277), (216, 44244), (221, 44217), (225, 44193), (229, 44166), (235, 44139), (244, 44064), (248, 44019), (251, 43986), (258, 43965), (260, 43959), (266, 43926), (267, 43917), (269, 43908), (296, 43746), (297, 43728), (302, 43671),

Gene: Roy17_51 Start: 44934, Stop: 43531, Start Num: 75
Candidate Starts for Roy17_51:
(40, 45099), (Start: 75 @44934 has 243 MA's), (Start: 76 @44931 has 85 MA's), (Start: 77 @44925 has 2 MA's), (82, 44883), (93, 44811), (99, 44790), (118, 44694), (131, 44643), (139, 44577), (140, 44574), (145, 44523), (157, 44457), (161, 44445), (169, 44409), (183, 44364), (188, 44334), (195, 44295), (199, 44256), (203, 44223), (204, 44220), (208, 44196), (216, 44163), (219, 44142), (225, 44112), (243, 43998), (247, 43956), (248, 43935), (251, 43902), (261, 43830), (263, 43824), (271, 43776), (280, 43731), (285, 43707), (288, 43692), (290, 43668),

Gene: SDcharge11_51 Start: 45053, Stop: 43818, Start Num: 103
Candidate Starts for SDcharge11_51:
(Start: 103 @45053 has 1 MA's), (118, 44981), (131, 44930), (139, 44864), (140, 44861), (145, 44810), (157, 44744), (161, 44732), (169, 44696), (183, 44651), (188, 44621), (195, 44582), (199, 44543), (203, 44510), (204, 44507), (208, 44483), (216, 44450), (219, 44429), (225, 44399), (243, 44285), (247, 44243), (248, 44222), (251, 44189), (261, 44117), (263, 44111), (271, 44063), (280, 44018), (285, 43994), (288, 43979), (290, 43955),

Gene: Sabella_49 Start: 44851, Stop: 43490, Start Num: 76
Candidate Starts for Sabella_49:
(Start: 76 @44851 has 85 MA's), (83, 44788), (85, 44773), (109, 44662), (Start: 117 @44617 has 5 MA's), (130, 44569), (135, 44521), (154, 44380), (157, 44371), (175, 44326), (177, 44320), (178, 44314), (183, 44302), (199, 44197), (203, 44164), (207, 44146), (208, 44137), (216, 44104), (221, 44077), (225, 44053), (235, 43999), (244, 43924), (248, 43879), (251, 43846), (258, 43825), (260, 43819), (266, 43786), (267, 43777), (269, 43768), (296, 43606), (297, 43588), (302, 43531),

Gene: Saguaro_53 Start: 47395, Stop: 46115, Start Num: 86
Candidate Starts for Saguaro_53:
(55, 47587), (Start: 86 @47395 has 1 MA's), (98, 47344), (120, 47212), (122, 47206), (131, 47164), (136, 47125), (140, 47095), (147, 47032), (157, 46978), (165, 46945), (191, 46858), (196, 46834), (202, 46771), (204, 46762), (207, 46747), (209, 46735), (219, 46684), (223, 46657), (225, 46654), (232, 46627), (237, 46594), (240, 46576), (242, 46564), (248, 46483), (251, 46450), (274, 46345), (275, 46342), (283, 46300),

Gene: Salazzle_51 Start: 44828, Stop: 43425, Start Num: 72
Candidate Starts for Salazzle_51:
(40, 44990), (Start: 72 @44828 has 35 MA's), (Start: 76 @44825 has 85 MA's), (82, 44777), (93, 44705), (99, 44684), (118, 44588), (131, 44537), (139, 44471), (140, 44468), (143, 44444), (145, 44417), (157, 44351), (161, 44339), (169, 44303), (183, 44258), (188, 44228), (195, 44189), (199, 44150), (203, 44117), (204, 44114), (208, 44090), (216, 44057), (219, 44036), (225, 44006), (243, 43892), (247, 43850), (248, 43829), (251, 43796), (261, 43724), (263, 43718), (271, 43670), (280, 43625), (285, 43601), (288, 43586), (290, 43562),

Gene: SallyH_52 Start: 45379, Stop: 43985, Start Num: 77
Candidate Starts for SallyH_52:
(11, 45766), (12, 45721), (19, 45679), (28, 45598), (40, 45553), (Start: 75 @45388 has 243 MA's), (Start: 76 @45385 has 85 MA's), (Start: 77 @45379 has 2 MA's), (82, 45337), (93, 45265), (99, 45244), (118, 45148), (131, 45097), (139, 45031), (140, 45028), (145, 44977), (157, 44911), (161, 44899), (169, 44863), (183, 44818), (188, 44788), (195, 44749), (199, 44710), (203, 44677), (204, 44674), (208, 44650), (216, 44617), (219, 44596), (225, 44566), (243, 44452), (247, 44410), (248, 44389), (251, 44356), (261, 44284), (263, 44278), (271, 44230), (280, 44185), (285, 44161), (288, 44146), (290, 44122),

Gene: Samaymay_51 Start: 45234, Stop: 43831, Start Num: 75
Candidate Starts for Samaymay_51:
(11, 45612), (12, 45567), (19, 45525), (28, 45444), (40, 45399), (Start: 75 @45234 has 243 MA's), (Start: 76 @45231 has 85 MA's), (Start: 77 @45225 has 2 MA's), (82, 45183), (93, 45111), (99, 45090), (118, 44994), (131, 44943), (139, 44877), (140, 44874), (145, 44823), (157, 44757), (161, 44745), (169, 44709), (183, 44664), (188, 44634), (195, 44595), (199, 44556), (203, 44523), (204, 44520), (208, 44496), (216, 44463), (219, 44442), (225, 44412), (243, 44298), (247, 44256), (248, 44235), (251, 44202), (261, 44130), (263, 44124), (271, 44076), (280, 44031), (285, 44007), (288, 43992), (290, 43968),

Gene: SassyCat97_50 Start: 44961, Stop: 43558, Start Num: 75
Candidate Starts for SassyCat97_50:
(11, 45339), (12, 45294), (19, 45252), (28, 45171), (40, 45126), (Start: 75 @44961 has 243 MA's), (Start: 76 @44958 has 85 MA's), (Start: 77 @44952 has 2 MA's), (82, 44910), (93, 44838), (99, 44817), (118, 44721), (131, 44670), (139, 44604), (140, 44601), (145, 44550), (157, 44484), (161, 44472), (169, 44436), (183, 44391), (188, 44361), (195, 44322), (199, 44283), (203, 44250), (204, 44247), (206, 44241), (208, 44223), (216, 44190), (219, 44169), (225, 44139), (243, 44025), (247, 43983), (248, 43962), (251, 43929), (261, 43857), (263, 43851), (271, 43803), (280, 43758), (285, 43734), (288, 43719), (290, 43695),

Gene: Schadenfreude_50 Start: 44797, Stop: 43397, Start Num: 76
Candidate Starts for Schadenfreude_50:
(Start: 72 @44800 has 35 MA's), (Start: 76 @44797 has 85 MA's), (Start: 77 @44791 has 2 MA's), (82, 44749), (93, 44677), (99, 44656), (118, 44560), (131, 44509), (139, 44443), (140, 44440), (145, 44389), (157, 44323), (161, 44311), (169, 44275), (183, 44230), (188, 44200), (195, 44161), (199, 44122), (203, 44089), (204, 44086), (206, 44080), (208, 44062), (216, 44029), (219, 44008), (225, 43978), (247, 43822), (248, 43801), (251, 43768), (261, 43696), (263, 43690), (271, 43642), (280, 43597), (285, 43573), (288, 43558), (290, 43534),

Gene: Schueller_50 Start: 44959, Stop: 43556, Start Num: 72
Candidate Starts for Schueller_50:
(40, 45121), (Start: 72 @44959 has 35 MA's), (Start: 76 @44956 has 85 MA's), (82, 44908), (93, 44836), (99, 44815), (118, 44719), (131, 44668), (139, 44602), (140, 44599), (145, 44548), (157, 44482), (161, 44470), (169, 44434), (183, 44389), (188, 44359), (195, 44320), (199, 44281), (203, 44248), (204, 44245), (206, 44239), (208, 44221), (216, 44188), (219, 44167), (225, 44137), (243, 44023), (247, 43981), (248, 43960), (251, 43927), (261, 43855), (263, 43849), (271, 43801), (280, 43756), (285, 43732), (288, 43717), (290, 43693),

Gene: Scoot17C_52 Start: 45377, Stop: 43974, Start Num: 75
Candidate Starts for Scoot17C_52:
(11, 45755), (12, 45710), (19, 45668), (28, 45587), (40, 45542), (Start: 75 @45377 has 243 MA's), (Start: 76 @45374 has 85 MA's), (Start: 77 @45368 has 2 MA's), (82, 45326), (93, 45254), (99, 45233), (118, 45137), (131, 45086), (139, 45020), (140, 45017), (145, 44966), (157, 44900), (161,

44888), (169, 44852), (183, 44807), (188, 44777), (195, 44738), (199, 44699), (203, 44666), (204, 44663), (208, 44639), (216, 44606), (219, 44585), (225, 44555), (243, 44441), (247, 44399), (248, 44378), (251, 44345), (261, 44273), (263, 44267), (271, 44219), (280, 44174), (285, 44150), (288, 44135), (290, 44111),

Gene: Scrick_51 Start: 44970, Stop: 43567, Start Num: 75
Candidate Starts for Scrick_51:
(11, 45348), (12, 45303), (19, 45261), (28, 45180), (40, 45135), (Start: 75 @44970 has 243 MA's), (Start: 76 @44967 has 85 MA's), (Start: 77 @44961 has 2 MA's), (82, 44919), (93, 44847), (99, 44826), (118, 44730), (131, 44679), (139, 44613), (140, 44610), (145, 44559), (157, 44493), (161, 44481), (169, 44445), (183, 44400), (188, 44370), (195, 44331), (199, 44292), (203, 44259), (204, 44256), (208, 44232), (216, 44199), (219, 44178), (225, 44148), (243, 44034), (247, 43992), (248, 43971), (251, 43938), (261, 43866), (263, 43860), (271, 43812), (280, 43767), (285, 43743), (288, 43728), (290, 43704),

Gene: Selr12_51 Start: 44970, Stop: 43570, Start Num: 76
Candidate Starts for Selr12_51:
(11, 45351), (12, 45306), (19, 45264), (28, 45183), (40, 45138), (Start: 75 @44973 has 243 MA's), (Start: 76 @44970 has 85 MA's), (Start: 77 @44964 has 2 MA's), (82, 44922), (93, 44850), (99, 44829), (118, 44733), (131, 44682), (139, 44616), (140, 44613), (145, 44562), (157, 44496), (161, 44484), (169, 44448), (183, 44403), (188, 44373), (195, 44334), (199, 44295), (203, 44262), (204, 44259), (208, 44235), (216, 44202), (219, 44181), (225, 44151), (243, 44037), (247, 43995), (248, 43974), (251, 43941), (261, 43869), (263, 43863), (271, 43815), (280, 43770), (285, 43746), (288, 43731), (290, 43707),

Gene: Septica_50 Start: 45265, Stop: 43862, Start Num: 75
Candidate Starts for Septica_50:
(11, 45643), (12, 45598), (19, 45556), (28, 45475), (40, 45430), (Start: 75 @45265 has 243 MA's), (Start: 76 @45262 has 85 MA's), (Start: 77 @45256 has 2 MA's), (82, 45214), (93, 45142), (99, 45121), (118, 45025), (131, 44974), (139, 44908), (140, 44905), (145, 44854), (157, 44788), (161, 44776), (169, 44740), (183, 44695), (188, 44665), (195, 44626), (199, 44587), (203, 44554), (204, 44551), (208, 44527), (216, 44494), (219, 44473), (225, 44443), (243, 44329), (247, 44287), (248, 44266), (251, 44233), (261, 44161), (263, 44155), (271, 44107), (280, 44062), (285, 44038), (288, 44023), (290, 43999),

Gene: Serendipitous_50 Start: 45974, Stop: 44589, Start Num: 73
Candidate Starts for Serendipitous_50:
(Start: 73 @45974 has 10 MA's), (Start: 79 @45956 has 2 MA's), (118, 45737), (126, 45707), (149, 45542), (157, 45500), (164, 45482), (167, 45467), (185, 45416), (193, 45365), (204, 45278), (207, 45263), (208, 45254), (221, 45194), (225, 45170), (226, 45167), (245, 45035), (248, 45002), (251, 44969), (253, 44951), (261, 44897), (269, 44852), (274, 44825), (289, 44744), (297, 44663),

Gene: Serendipity_51 Start: 45258, Stop: 43855, Start Num: 75
Candidate Starts for Serendipity_51:
(11, 45636), (12, 45591), (19, 45549), (28, 45468), (40, 45423), (Start: 75 @45258 has 243 MA's), (Start: 76 @45255 has 85 MA's), (Start: 77 @45249 has 2 MA's), (82, 45207), (93, 45135), (99, 45114), (118, 45018), (131, 44967), (139, 44901), (140, 44898), (145, 44847), (157, 44781), (161, 44769), (169, 44733), (183, 44688), (188, 44658), (195, 44619), (199, 44580), (203, 44547), (204, 44544), (208, 44520), (216, 44487), (219, 44466), (225, 44436), (243, 44322), (247, 44280), (248, 44259), (251, 44226), (261, 44154), (263, 44148), (271, 44100), (280, 44055), (285, 44031), (288, 44016), (290, 43992),

Gene: Serpentine_0051 Start: 45257, Stop: 43854, Start Num: 75

Candidate Starts for Serpentine_0051:
(40, 45422), (Start: 75 @45257 has 243 MA's), (Start: 76 @45254 has 85 MA's), (Start: 77 @45248 has 2 MA's), (82, 45206), (93, 45134), (99, 45113), (118, 45017), (131, 44966), (139, 44900), (140, 44897), (143, 44873), (145, 44846), (157, 44780), (161, 44768), (169, 44732), (183, 44687), (188, 44657), (195, 44618), (199, 44579), (203, 44546), (204, 44543), (208, 44519), (216, 44486), (219, 44465), (225, 44435), (243, 44321), (247, 44279), (248, 44258), (251, 44225), (261, 44153), (263, 44147), (271, 44099), (280, 44054), (285, 44030), (288, 44015), (290, 43991),

Gene: ShadowBud_51 Start: 45268, Stop: 43865, Start Num: 75
Candidate Starts for ShadowBud_51:
(11, 45646), (12, 45601), (19, 45559), (28, 45478), (40, 45433), (Start: 75 @45268 has 243 MA's), (Start: 76 @45265 has 85 MA's), (Start: 77 @45259 has 2 MA's), (82, 45217), (93, 45145), (99, 45124), (118, 45028), (131, 44977), (139, 44911), (140, 44908), (145, 44857), (157, 44791), (161, 44779), (169, 44743), (183, 44698), (188, 44668), (195, 44629), (199, 44590), (203, 44557), (204, 44554), (208, 44530), (216, 44497), (219, 44476), (225, 44446), (243, 44332), (247, 44290), (248, 44269), (251, 44236), (261, 44164), (263, 44158), (271, 44110), (280, 44065), (285, 44041), (288, 44026), (290, 44002),

Gene: Shatter_44 Start: 37982, Stop: 36669, Start Num: 38
Candidate Starts for Shatter_44:
(Start: 37 @37985 has 1 MA's), (Start: 38 @37982 has 3 MA's), (Start: 117 @37823 has 5 MA's), (121, 37817), (131, 37766), (180, 37511), (186, 37490), (194, 37445), (196, 37433), (216, 37304), (221, 37277), (225, 37253), (233, 37223), (234, 37205), (237, 37193), (242, 37163), (244, 37130), (248, 37085), (251, 37052), (258, 37019), (260, 36992), (268, 36947), (269, 36941), (274, 36914), (275, 36911), (285, 36863), (302, 36701),

Gene: Sheila_51 Start: 45283, Stop: 43880, Start Num: 75
Candidate Starts for Sheila_51:
(11, 45661), (12, 45616), (19, 45574), (28, 45493), (40, 45448), (Start: 75 @45283 has 243 MA's), (Start: 76 @45280 has 85 MA's), (Start: 77 @45274 has 2 MA's), (82, 45232), (93, 45160), (99, 45139), (118, 45043), (131, 44992), (139, 44926), (140, 44923), (145, 44872), (157, 44806), (161, 44794), (169, 44758), (183, 44713), (188, 44683), (195, 44644), (199, 44605), (203, 44572), (204, 44569), (208, 44545), (216, 44512), (219, 44491), (225, 44461), (243, 44347), (247, 44305), (248, 44284), (251, 44251), (261, 44179), (263, 44173), (271, 44125), (280, 44080), (285, 44056), (288, 44041), (290, 44017),

Gene: Shenandoah_49 Start: 44850, Stop: 43237, Start Num: 35
Candidate Starts for Shenandoah_49:
(14, 44979), (15, 44973), (17, 44958), (Start: 33 @44859 has 9 MA's), (Start: 35 @44850 has 43 MA's), (56, 44754), (74, 44676), (91, 44541), (Start: 117 @44382 has 5 MA's), (123, 44367), (125, 44355), (131, 44325), (137, 44283), (145, 44205), (174, 44073), (180, 44040), (183, 44031), (198, 43938), (204, 43890), (207, 43875), (208, 43866), (221, 43806), (225, 43782), (242, 43692), (251, 43581), (261, 43548), (262, 43545), (264, 43530), (268, 43509), (274, 43476),

Gene: Shenyu_50 Start: 46226, Stop: 44841, Start Num: 73
Candidate Starts for Shenyu_50:
(Start: 73 @46226 has 10 MA's), (Start: 79 @46208 has 2 MA's), (118, 45989), (126, 45959), (149, 45794), (157, 45752), (164, 45734), (167, 45719), (185, 45668), (193, 45617), (204, 45530), (207, 45515), (208, 45506), (221, 45446), (225, 45422), (226, 45419), (241, 45341), (245, 45287), (248, 45254), (251, 45221), (253, 45203), (261, 45149), (268, 45110), (269, 45104), (274, 45077), (289, 44996), (293, 44957), (297, 44915),

Gene: ShiVal_51 Start: 45241, Stop: 43838, Start Num: 75

Candidate Starts for ShiVal_51:
(11, 45619), (12, 45574), (19, 45532), (28, 45451), (40, 45406), (Start: 75 @45241 has 243 MA's), (Start: 76 @45238 has 85 MA's), (Start: 77 @45232 has 2 MA's), (82, 45190), (93, 45118), (99, 45097), (118, 45001), (131, 44950), (139, 44884), (140, 44881), (145, 44830), (157, 44764), (161, 44752), (169, 44716), (183, 44671), (188, 44641), (195, 44602), (199, 44563), (203, 44530), (204, 44527), (208, 44503), (216, 44470), (219, 44449), (225, 44419), (243, 44305), (247, 44263), (248, 44242), (251, 44209), (261, 44137), (263, 44131), (271, 44083), (280, 44038), (285, 44014), (288, 43999), (290, 43975),

Gene: Sigman_52 Start: 45368, Stop: 43965, Start Num: 75
Candidate Starts for Sigman_52:
(11, 45746), (12, 45701), (19, 45659), (28, 45578), (40, 45533), (Start: 75 @45368 has 243 MA's), (Start: 76 @45365 has 85 MA's), (Start: 77 @45359 has 2 MA's), (82, 45317), (93, 45245), (99, 45224), (118, 45128), (131, 45077), (139, 45011), (140, 45008), (145, 44957), (157, 44891), (161, 44879), (169, 44843), (183, 44798), (188, 44768), (195, 44729), (199, 44690), (203, 44657), (204, 44654), (208, 44630), (216, 44597), (219, 44576), (225, 44546), (243, 44432), (247, 44390), (248, 44369), (251, 44336), (261, 44264), (263, 44258), (271, 44210), (280, 44165), (285, 44141), (288, 44126), (290, 44102),

Gene: SilverBell_51 Start: 45261, Stop: 43861, Start Num: 76
Candidate Starts for SilverBell_51:
(11, 45642), (12, 45597), (19, 45555), (28, 45474), (40, 45429), (Start: 75 @45264 has 243 MA's), (Start: 76 @45261 has 85 MA's), (Start: 77 @45255 has 2 MA's), (82, 45213), (93, 45141), (99, 45120), (118, 45024), (131, 44973), (139, 44907), (140, 44904), (145, 44853), (157, 44787), (161, 44775), (169, 44739), (183, 44694), (188, 44664), (195, 44625), (199, 44586), (203, 44553), (204, 44550), (208, 44526), (216, 44493), (219, 44472), (225, 44442), (243, 44328), (247, 44286), (248, 44265), (251, 44232), (261, 44160), (263, 44154), (271, 44106), (280, 44061), (285, 44037), (288, 44022), (290, 43998),

Gene: Simielle_50 Start: 44927, Stop: 43524, Start Num: 75
Candidate Starts for Simielle_50:
(11, 45305), (12, 45260), (19, 45218), (28, 45137), (40, 45092), (Start: 75 @44927 has 243 MA's), (Start: 76 @44924 has 85 MA's), (Start: 77 @44918 has 2 MA's), (82, 44876), (93, 44804), (99, 44783), (118, 44687), (131, 44636), (139, 44570), (140, 44567), (145, 44516), (157, 44450), (161, 44438), (169, 44402), (183, 44357), (188, 44327), (195, 44288), (199, 44249), (203, 44216), (204, 44213), (208, 44189), (216, 44156), (219, 44135), (225, 44105), (243, 43991), (247, 43949), (248, 43928), (251, 43895), (261, 43823), (263, 43817), (271, 43769), (280, 43724), (285, 43700), (288, 43685), (290, 43661),

Gene: SirBeauregard_51 Start: 44937, Stop: 43537, Start Num: 76
Candidate Starts for SirBeauregard_51:
(11, 45318), (12, 45273), (19, 45231), (28, 45150), (40, 45105), (Start: 75 @44940 has 243 MA's), (Start: 76 @44937 has 85 MA's), (Start: 77 @44931 has 2 MA's), (82, 44889), (93, 44817), (99, 44796), (118, 44700), (131, 44649), (139, 44583), (140, 44580), (145, 44529), (157, 44463), (161, 44451), (169, 44415), (183, 44370), (188, 44340), (195, 44301), (199, 44262), (203, 44229), (204, 44226), (208, 44202), (216, 44169), (219, 44148), (225, 44118), (243, 44004), (247, 43962), (248, 43941), (251, 43908), (261, 43836), (263, 43830), (271, 43782), (280, 43737), (285, 43713), (288, 43698), (290, 43674),

Gene: SirJeffery_50 Start: 46127, Stop: 44763, Start Num: 79
Candidate Starts for SirJeffery_50:
(40, 46295), (Start: 73 @46145 has 10 MA's), (Start: 79 @46127 has 2 MA's), (99, 45998), (118, 45911), (126, 45881), (149, 45716), (157, 45674), (164, 45656), (167, 45641), (185, 45590), (193,

45539), (204, 45452), (207, 45437), (208, 45428), (218, 45377), (221, 45368), (225, 45344), (226, 45341), (245, 45209), (248, 45176), (251, 45143), (253, 45125), (261, 45071), (269, 45026), (274, 44999), (289, 44918), (290, 44900), (297, 44837),

Gene: Sisko_44 Start: 38755, Stop: 37490, Start Num: 41
Candidate Starts for Sisko_44:
(Start: 41 @38755 has 6 MA's), (49, 38737), (54, 38716), (Start: 117 @38629 has 5 MA's), (121, 38623), (125, 38602), (131, 38572), (181, 38314), (186, 38296), (196, 38239), (204, 38167), (207, 38152), (208, 38143), (212, 38125), (216, 38110), (221, 38083), (225, 38059), (237, 37999), (245, 37924), (248, 37891), (251, 37858), (254, 37849), (258, 37825), (259, 37813), (269, 37747), (274, 37720), (277, 37708), (294, 37600), (295, 37597), (297, 37564),

Gene: Skippy_51 Start: 45228, Stop: 43825, Start Num: 75
Candidate Starts for Skippy_51:
(40, 45393), (Start: 75 @45228 has 243 MA's), (Start: 76 @45225 has 85 MA's), (Start: 77 @45219 has 2 MA's), (82, 45177), (93, 45105), (99, 45084), (118, 44988), (131, 44937), (139, 44871), (140, 44868), (145, 44817), (157, 44751), (161, 44739), (169, 44703), (183, 44658), (188, 44628), (195, 44589), (199, 44550), (203, 44517), (204, 44514), (208, 44490), (216, 44457), (219, 44436), (225, 44406), (243, 44292), (247, 44250), (248, 44229), (251, 44196), (261, 44124), (263, 44118), (271, 44070), (280, 44025), (285, 44001), (288, 43986), (290, 43962),

Gene: Slatt_51 Start: 45254, Stop: 43851, Start Num: 75
Candidate Starts for Slatt_51:
(11, 45632), (12, 45587), (19, 45545), (28, 45464), (40, 45419), (Start: 75 @45254 has 243 MA's), (Start: 76 @45251 has 85 MA's), (Start: 77 @45245 has 2 MA's), (82, 45203), (93, 45131), (99, 45110), (118, 45014), (131, 44963), (139, 44897), (140, 44894), (145, 44843), (157, 44777), (161, 44765), (169, 44729), (183, 44684), (188, 44654), (195, 44615), (199, 44576), (203, 44543), (204, 44540), (208, 44516), (216, 44483), (219, 44462), (225, 44432), (243, 44318), (247, 44276), (248, 44255), (251, 44222), (261, 44150), (263, 44144), (271, 44096), (280, 44051), (285, 44027), (288, 44012), (290, 43988),

Gene: SlippinJimmy_49 Start: 45653, Stop: 44031, Start Num: 33
Candidate Starts for SlippinJimmy_49:
(14, 45770), (15, 45764), (17, 45749), (Start: 33 @45653 has 9 MA's), (Start: 35 @45644 has 43 MA's), (56, 45548), (74, 45470), (91, 45335), (Start: 117 @45176 has 5 MA's), (123, 45161), (125, 45149), (131, 45119), (137, 45077), (145, 44999), (174, 44867), (180, 44834), (183, 44825), (198, 44732), (204, 44684), (207, 44669), (208, 44660), (216, 44627), (221, 44600), (225, 44576), (242, 44486), (251, 44375), (261, 44342), (264, 44324), (268, 44303), (274, 44270),

Gene: Soile_51 Start: 44957, Stop: 43554, Start Num: 75
Candidate Starts for Soile_51:
(40, 45122), (Start: 75 @44957 has 243 MA's), (Start: 76 @44954 has 85 MA's), (Start: 77 @44948 has 2 MA's), (82, 44906), (93, 44834), (99, 44813), (118, 44717), (131, 44666), (139, 44600), (140, 44597), (143, 44573), (145, 44546), (157, 44480), (161, 44468), (169, 44432), (183, 44387), (188, 44357), (195, 44318), (199, 44279), (203, 44246), (204, 44243), (208, 44219), (216, 44186), (219, 44165), (225, 44135), (243, 44021), (247, 43979), (248, 43958), (251, 43925), (261, 43853), (263, 43847), (271, 43799), (280, 43754), (285, 43730), (288, 43715), (290, 43691),

Gene: Solosis_50 Start: 44955, Stop: 43552, Start Num: 75
Candidate Starts for Solosis_50:
(11, 45333), (12, 45288), (19, 45246), (28, 45165), (40, 45120), (Start: 75 @44955 has 243 MA's), (Start: 76 @44952 has 85 MA's), (Start: 77 @44946 has 2 MA's), (82, 44904), (93, 44832), (99, 44811), (118, 44715), (131, 44664), (139, 44598), (140, 44595), (145, 44544), (157, 44478), (161,

44466), (169, 44430), (183, 44385), (188, 44355), (195, 44316), (199, 44277), (203, 44244), (204, 44241), (208, 44217), (216, 44184), (219, 44163), (225, 44133), (243, 44019), (247, 43977), (248, 43956), (251, 43923), (261, 43851), (263, 43845), (271, 43797), (280, 43752), (285, 43728), (288, 43713), (290, 43689),

Gene: Sophia_50 Start: 44949, Stop: 43546, Start Num: 75
Candidate Starts for Sophia_50:
(11, 45327), (12, 45282), (19, 45240), (28, 45159), (40, 45114), (Start: 75 @44949 has 243 MA's), (Start: 76 @44946 has 85 MA's), (Start: 77 @44940 has 2 MA's), (82, 44898), (93, 44826), (99, 44805), (118, 44709), (131, 44658), (139, 44592), (140, 44589), (143, 44565), (145, 44538), (157, 44472), (161, 44460), (169, 44424), (183, 44379), (188, 44349), (195, 44310), (199, 44271), (203, 44238), (204, 44235), (208, 44211), (216, 44178), (219, 44157), (225, 44127), (243, 44013), (247, 43971), (248, 43950), (251, 43917), (261, 43845), (263, 43839), (271, 43791), (280, 43746), (285, 43722), (288, 43707), (290, 43683),

Gene: Soto_51 Start: 45255, Stop: 43852, Start Num: 75
Candidate Starts for Soto_51:
(12, 45588), (19, 45546), (28, 45465), (40, 45420), (Start: 75 @45255 has 243 MA's), (Start: 76 @45252 has 85 MA's), (Start: 77 @45246 has 2 MA's), (82, 45204), (93, 45132), (99, 45111), (118, 45015), (131, 44964), (139, 44898), (140, 44895), (145, 44844), (157, 44778), (161, 44766), (169, 44730), (183, 44685), (188, 44655), (195, 44616), (199, 44577), (203, 44544), (204, 44541), (208, 44517), (216, 44484), (219, 44463), (225, 44433), (243, 44319), (247, 44277), (248, 44256), (251, 44223), (261, 44151), (263, 44145), (271, 44097), (280, 44052), (285, 44028), (288, 44013), (290, 43989),

Gene: Sour_49 Start: 42596, Stop: 41325, Start Num: 41
Candidate Starts for Sour_49:
(Start: 41 @42596 has 6 MA's), (54, 42554), (Start: 117 @42464 has 5 MA's), (121, 42458), (125, 42437), (128, 42428), (131, 42407), (163, 42209), (166, 42194), (180, 42152), (181, 42149), (186, 42131), (196, 42074), (207, 41987), (210, 41972), (211, 41963), (216, 41945), (221, 41918), (225, 41894), (233, 41864), (242, 41804), (244, 41771), (248, 41726), (251, 41693), (254, 41684), (258, 41660), (260, 41633), (268, 41588), (269, 41582), (274, 41555), (275, 41552), (285, 41504), (301, 41354),

Gene: Spartan300_51 Start: 45240, Stop: 43837, Start Num: 75
Candidate Starts for Spartan300_51:
(11, 45618), (12, 45573), (19, 45531), (28, 45450), (40, 45405), (Start: 75 @45240 has 243 MA's), (Start: 76 @45237 has 85 MA's), (Start: 77 @45231 has 2 MA's), (82, 45189), (93, 45117), (99, 45096), (118, 45000), (131, 44949), (139, 44883), (140, 44880), (145, 44829), (157, 44763), (161, 44751), (169, 44715), (183, 44670), (188, 44640), (195, 44601), (199, 44562), (203, 44529), (204, 44526), (208, 44502), (216, 44469), (219, 44448), (225, 44418), (243, 44304), (247, 44262), (248, 44241), (251, 44208), (261, 44136), (263, 44130), (271, 44082), (280, 44037), (285, 44013), (288, 43998), (290, 43974),

Gene: Squid_51 Start: 44961, Stop: 43558, Start Num: 75
Candidate Starts for Squid_51:
(11, 45339), (12, 45294), (19, 45252), (28, 45171), (40, 45126), (Start: 75 @44961 has 243 MA's), (Start: 76 @44958 has 85 MA's), (Start: 77 @44952 has 2 MA's), (82, 44910), (93, 44838), (99, 44817), (118, 44721), (131, 44670), (139, 44604), (140, 44601), (145, 44550), (157, 44484), (161, 44472), (169, 44436), (183, 44391), (188, 44361), (195, 44322), (199, 44283), (203, 44250), (204, 44247), (206, 44241), (208, 44223), (216, 44190), (219, 44169), (225, 44139), (243, 44025), (247, 43983), (248, 43962), (251, 43929), (261, 43857), (263, 43851), (271, 43803), (280, 43758), (285, 43734), (288, 43719), (290, 43695),

Gene: Squiggle_51 Start: 44964, Stop: 43561, Start Num: 75
Candidate Starts for Squiggle_51:
(40, 45129), (Start: 75 @44964 has 243 MA's), (Start: 76 @44961 has 85 MA's), (Start: 77 @44955 has 2 MA's), (82, 44913), (93, 44841), (99, 44820), (118, 44724), (131, 44673), (139, 44607), (140, 44604), (143, 44580), (145, 44553), (157, 44487), (161, 44475), (169, 44439), (183, 44394), (188, 44364), (195, 44325), (199, 44286), (203, 44253), (204, 44250), (208, 44226), (216, 44193), (219, 44172), (225, 44142), (243, 44028), (247, 43986), (248, 43965), (251, 43932), (261, 43860), (263, 43854), (271, 43806), (280, 43761), (285, 43737), (288, 43722), (290, 43698),

Gene: StAugustine_65 Start: 53628, Stop: 52423, Start Num: 117
Candidate Starts for StAugustine_65:
(Start: 117 @53628 has 5 MA's), (122, 53619), (150, 53418), (154, 53397), (167, 53364), (182, 53307), (193, 53250), (194, 53247), (204, 53163), (213, 53118), (221, 53079), (240, 52905), (242, 52893), (248, 52809), (251, 52776), (261, 52743), (276, 52665), (277, 52659), (289, 52599), (291, 52578),

Gene: Stinger_45 Start: 44262, Stop: 42913, Start Num: 72
Candidate Starts for Stinger_45:
(Start: 72 @44262 has 35 MA's), (Start: 75 @44259 has 243 MA's), (Start: 77 @44250 has 2 MA's), (78, 44244), (115, 44046), (125, 44004), (127, 43998), (130, 43986), (131, 43974), (158, 43785), (163, 43770), (165, 43755), (166, 43752), (187, 43686), (189, 43662), (191, 43653), (196, 43629), (204, 43557), (207, 43542), (208, 43533), (211, 43518), (216, 43500), (217, 43497), (219, 43479), (225, 43449), (232, 43422), (240, 43371), (242, 43359), (245, 43314), (246, 43308), (247, 43299), (251, 43245), (263, 43206), (274, 43140), (275, 43137), (289, 43068), (290, 43050),

Gene: StinkyVeggy_51 Start: 46290, Stop: 44905, Start Num: 73
Candidate Starts for StinkyVeggy_51:
(40, 46440), (Start: 73 @46290 has 10 MA's), (Start: 79 @46272 has 2 MA's), (105, 46116), (118, 46053), (126, 46023), (149, 45858), (157, 45816), (164, 45798), (167, 45783), (185, 45732), (193, 45681), (204, 45594), (207, 45579), (208, 45570), (221, 45510), (225, 45486), (226, 45483), (245, 45351), (248, 45318), (251, 45285), (253, 45267), (261, 45213), (269, 45168), (274, 45141), (289, 45060), (293, 45021), (297, 44979),

Gene: Struggle_50 Start: 44796, Stop: 43393, Start Num: 72
Candidate Starts for Struggle_50:
(40, 44958), (Start: 72 @44796 has 35 MA's), (Start: 76 @44793 has 85 MA's), (82, 44745), (93, 44673), (99, 44652), (118, 44556), (131, 44505), (139, 44439), (140, 44436), (143, 44412), (145, 44385), (157, 44319), (161, 44307), (169, 44271), (183, 44226), (188, 44196), (195, 44157), (199, 44118), (203, 44085), (204, 44082), (206, 44076), (208, 44058), (216, 44025), (219, 44004), (225, 43974), (243, 43860), (247, 43818), (248, 43797), (251, 43764), (261, 43692), (263, 43686), (271, 43638), (280, 43593), (285, 43569), (288, 43554), (290, 43530),

Gene: Suffolk_51 Start: 45242, Stop: 43842, Start Num: 76
Candidate Starts for Suffolk_51:
(40, 45410), (Start: 75 @45245 has 243 MA's), (Start: 76 @45242 has 85 MA's), (Start: 77 @45236 has 2 MA's), (82, 45194), (93, 45122), (99, 45101), (118, 45005), (131, 44954), (139, 44888), (140, 44885), (145, 44834), (157, 44768), (161, 44756), (169, 44720), (183, 44675), (188, 44645), (195, 44606), (199, 44567), (203, 44534), (204, 44531), (208, 44507), (216, 44474), (219, 44453), (225, 44423), (243, 44309), (247, 44267), (248, 44246), (251, 44213), (261, 44141), (263, 44135), (271, 44087), (280, 44042), (285, 44018), (288, 44003), (290, 43979),

Gene: Suigeneris_51 Start: 46147, Stop: 44765, Start Num: 73
Candidate Starts for Suigeneris_51:

(23, 46372), (Start: 73 @46147 has 10 MA's), (Start: 79 @46129 has 2 MA's), (118, 45913), (126, 45883), (149, 45718), (157, 45676), (164, 45658), (167, 45643), (185, 45592), (204, 45454), (207, 45439), (208, 45430), (218, 45379), (221, 45370), (225, 45346), (226, 45343), (245, 45211), (248, 45178), (251, 45145), (253, 45127), (261, 45073), (269, 45028), (274, 45001), (289, 44920), (290, 44902), (297, 44839),

Gene: Surely_51 Start: 45251, Stop: 43848, Start Num: 75
Candidate Starts for Surely_51:
(40, 45416), (Start: 75 @45251 has 243 MA's), (Start: 76 @45248 has 85 MA's), (Start: 77 @45242 has 2 MA's), (82, 45200), (93, 45128), (99, 45107), (118, 45011), (131, 44960), (139, 44894), (140, 44891), (143, 44867), (145, 44840), (157, 44774), (161, 44762), (169, 44726), (183, 44681), (188, 44651), (195, 44612), (199, 44573), (203, 44540), (204, 44537), (208, 44513), (216, 44480), (219, 44459), (225, 44429), (243, 44315), (247, 44273), (248, 44252), (251, 44219), (261, 44147), (263, 44141), (271, 44093), (280, 44048), (285, 44024), (288, 44009), (290, 43985),

Gene: SwainyDoc_49 Start: 44874, Stop: 43261, Start Num: 35
Candidate Starts for SwainyDoc_49:
(14, 45000), (15, 44994), (17, 44979), (Start: 33 @44883 has 9 MA's), (Start: 35 @44874 has 43 MA's), (56, 44778), (74, 44700), (91, 44565), (Start: 117 @44406 has 5 MA's), (123, 44391), (125, 44379), (131, 44349), (137, 44307), (145, 44229), (174, 44097), (180, 44064), (183, 44055), (198, 43962), (204, 43914), (207, 43899), (208, 43890), (216, 43857), (221, 43830), (225, 43806), (242, 43716), (251, 43605), (261, 43572), (264, 43554), (268, 43533), (274, 43500),

Gene: Swiphy_51 Start: 45243, Stop: 43843, Start Num: 76
Candidate Starts for Swiphy_51:
(40, 45411), (Start: 75 @45246 has 243 MA's), (Start: 76 @45243 has 85 MA's), (Start: 77 @45237 has 2 MA's), (82, 45195), (93, 45123), (99, 45102), (118, 45006), (131, 44955), (139, 44889), (140, 44886), (143, 44862), (145, 44835), (157, 44769), (161, 44757), (169, 44721), (183, 44676), (188, 44646), (195, 44607), (199, 44568), (203, 44535), (204, 44532), (208, 44508), (216, 44475), (219, 44454), (225, 44424), (243, 44310), (247, 44268), (248, 44247), (251, 44214), (261, 44142), (263, 44136), (271, 44088), (280, 44043), (285, 44019), (288, 44004), (290, 43980),

Gene: Swish_52 Start: 45390, Stop: 43987, Start Num: 75
Candidate Starts for Swish_52:
(11, 45768), (12, 45723), (19, 45681), (28, 45600), (40, 45555), (Start: 75 @45390 has 243 MA's), (Start: 76 @45387 has 85 MA's), (Start: 77 @45381 has 2 MA's), (82, 45339), (93, 45267), (99, 45246), (118, 45150), (131, 45099), (139, 45033), (140, 45030), (145, 44979), (157, 44913), (161, 44901), (169, 44865), (183, 44820), (188, 44790), (195, 44751), (199, 44712), (203, 44679), (204, 44676), (208, 44652), (216, 44619), (219, 44598), (225, 44568), (243, 44454), (247, 44412), (248, 44391), (251, 44358), (261, 44286), (263, 44280), (271, 44232), (280, 44187), (285, 44163), (288, 44148), (290, 44124),

Gene: SynergyX_49 Start: 44878, Stop: 43265, Start Num: 35
Candidate Starts for SynergyX_49:
(14, 45004), (15, 44998), (17, 44983), (Start: 33 @44887 has 9 MA's), (Start: 35 @44878 has 43 MA's), (56, 44782), (74, 44704), (91, 44569), (Start: 117 @44410 has 5 MA's), (123, 44395), (125, 44383), (131, 44353), (137, 44311), (145, 44233), (174, 44101), (180, 44068), (183, 44059), (198, 43966), (204, 43918), (207, 43903), (208, 43894), (216, 43861), (221, 43834), (225, 43810), (242, 43720), (251, 43609), (261, 43576), (262, 43573), (264, 43558), (268, 43537), (274, 43504),

Gene: TA17A_51 Start: 44847, Stop: 43480, Start Num: 76
Candidate Starts for TA17A_51:

(Start: 76 @44847 has 85 MA's), (83, 44784), (85, 44769), (109, 44658), (Start: 117 @44607 has 5 MA's), (130, 44559), (135, 44511), (154, 44370), (157, 44361), (175, 44316), (177, 44310), (178, 44304), (183, 44292), (199, 44187), (203, 44154), (207, 44136), (208, 44127), (216, 44094), (221, 44067), (225, 44043), (235, 43989), (244, 43914), (248, 43869), (251, 43836), (258, 43815), (260, 43809), (266, 43776), (267, 43767), (269, 43758), (296, 43596), (297, 43578), (302, 43521),

Gene: TPA2_57 Start: 44817, Stop: 43513, Start Num: 94
Candidate Starts for TPA2_57:
(1, 46389), (2, 45999), (5, 45516), (94, 44817), (100, 44790), (111, 44730), (122, 44652), (136, 44565), (138, 44556), (144, 44496), (146, 44478), (159, 44421), (163, 44409), (173, 44367), (176, 44355), (182, 44337), (203, 44199), (207, 44181), (211, 44157), (225, 44088), (230, 44034), (234, 44010), (241, 43977), (245, 43917), (246, 43911), (251, 43851), (255, 43839), (265, 43797), (270, 43767), (276, 43740), (287, 43686), (299, 43569), (303, 43533), (305, 43521),

Gene: TallGrassMM_51 Start: 44861, Stop: 43461, Start Num: 76
Candidate Starts for TallGrassMM_51:
(11, 45242), (12, 45197), (19, 45155), (28, 45074), (40, 45029), (Start: 75 @44864 has 243 MA's), (Start: 76 @44861 has 85 MA's), (Start: 77 @44855 has 2 MA's), (82, 44813), (93, 44741), (99, 44720), (118, 44624), (131, 44573), (139, 44507), (140, 44504), (145, 44453), (157, 44387), (161, 44375), (169, 44339), (183, 44294), (188, 44264), (195, 44225), (199, 44186), (203, 44153), (204, 44150), (208, 44126), (216, 44093), (219, 44072), (225, 44042), (243, 43928), (247, 43886), (248, 43865), (251, 43832), (261, 43760), (263, 43754), (271, 43706), (280, 43661), (285, 43637), (288, 43622), (290, 43598),

Gene: Taraxa_51 Start: 44449, Stop: 43046, Start Num: 72
Candidate Starts for Taraxa_51:
(40, 44611), (Start: 72 @44449 has 35 MA's), (Start: 76 @44446 has 85 MA's), (82, 44398), (93, 44326), (99, 44305), (118, 44209), (131, 44158), (139, 44092), (140, 44089), (143, 44065), (145, 44038), (157, 43972), (161, 43960), (169, 43924), (183, 43879), (188, 43849), (195, 43810), (199, 43771), (203, 43738), (204, 43735), (208, 43711), (216, 43678), (219, 43657), (225, 43627), (243, 43513), (247, 43471), (248, 43450), (251, 43417), (261, 43345), (263, 43339), (271, 43291), (280, 43246), (285, 43222), (288, 43207), (290, 43183),

Gene: Telesworld_50 Start: 44943, Stop: 43540, Start Num: 75
Candidate Starts for Telesworld_50:
(40, 45108), (Start: 75 @44943 has 243 MA's), (Start: 76 @44940 has 85 MA's), (Start: 77 @44934 has 2 MA's), (82, 44892), (93, 44820), (99, 44799), (118, 44703), (131, 44652), (139, 44586), (140, 44583), (145, 44532), (157, 44466), (161, 44454), (169, 44418), (183, 44373), (188, 44343), (195, 44304), (199, 44265), (203, 44232), (204, 44229), (208, 44205), (216, 44172), (219, 44151), (225, 44121), (243, 44007), (247, 43965), (248, 43944), (251, 43911), (261, 43839), (263, 43833), (271, 43785), (280, 43740), (285, 43716), (288, 43701), (290, 43677),

Gene: Thonko_49 Start: 43281, Stop: 41938, Start Num: 75
Candidate Starts for Thonko_49:
(22, 43518), (Start: 75 @43281 has 243 MA's), (101, 43110), (102, 43104), (118, 43020), (152, 42804), (157, 42789), (188, 42696), (196, 42654), (205, 42579), (207, 42567), (209, 42555), (217, 42522), (221, 42498), (225, 42474), (237, 42414), (240, 42396), (242, 42384), (245, 42339), (248, 42303), (251, 42270), (261, 42237), (273, 42168),

Gene: Thora_51 Start: 45250, Stop: 43847, Start Num: 75
Candidate Starts for Thora_51:
(40, 45415), (Start: 75 @45250 has 243 MA's), (Start: 76 @45247 has 85 MA's), (Start: 77 @45241 has 2 MA's), (82, 45199), (93, 45127), (99, 45106), (118, 45010), (131, 44959), (139, 44893), (140,

44890), (145, 44839), (157, 44773), (161, 44761), (169, 44725), (183, 44680), (188, 44650), (195, 44611), (199, 44572), (203, 44539), (204, 44536), (208, 44512), (216, 44479), (219, 44458), (225, 44428), (243, 44314), (247, 44272), (248, 44251), (251, 44218), (261, 44146), (263, 44140), (271, 44092), (280, 44047), (285, 44023), (288, 44008), (290, 43984),

Gene: ThreeOh3D2_52 Start: 45383, Stop: 43980, Start Num: 75
Candidate Starts for ThreeOh3D2_52:
(11, 45761), (12, 45716), (19, 45674), (28, 45593), (40, 45548), (Start: 75 @45383 has 243 MA's), (Start: 76 @45380 has 85 MA's), (Start: 77 @45374 has 2 MA's), (82, 45332), (93, 45260), (99, 45239), (118, 45143), (131, 45092), (139, 45026), (140, 45023), (145, 44972), (157, 44906), (161, 44894), (169, 44858), (183, 44813), (188, 44783), (195, 44744), (199, 44705), (203, 44672), (204, 44669), (208, 44645), (216, 44612), (219, 44591), (225, 44561), (243, 44447), (247, 44405), (248, 44384), (251, 44351), (261, 44279), (263, 44273), (271, 44225), (280, 44180), (285, 44156), (288, 44141), (290, 44117),

Gene: Thunderbird_50 Start: 44951, Stop: 43548, Start Num: 72
Candidate Starts for Thunderbird_50:
(40, 45113), (Start: 72 @44951 has 35 MA's), (Start: 76 @44948 has 85 MA's), (82, 44900), (93, 44828), (99, 44807), (118, 44711), (131, 44660), (139, 44594), (140, 44591), (143, 44567), (145, 44540), (157, 44474), (161, 44462), (169, 44426), (183, 44381), (188, 44351), (195, 44312), (199, 44273), (203, 44240), (204, 44237), (208, 44213), (216, 44180), (219, 44159), (225, 44129), (243, 44015), (247, 43973), (248, 43952), (251, 43919), (261, 43847), (263, 43841), (271, 43793), (280, 43748), (285, 43724), (288, 43709), (290, 43685),

Gene: Timmi_50 Start: 44950, Stop: 43547, Start Num: 75
Candidate Starts for Timmi_50:
(11, 45328), (12, 45283), (19, 45241), (28, 45160), (40, 45115), (Start: 75 @44950 has 243 MA's), (Start: 76 @44947 has 85 MA's), (Start: 77 @44941 has 2 MA's), (82, 44899), (93, 44827), (99, 44806), (118, 44710), (131, 44659), (139, 44593), (140, 44590), (145, 44539), (157, 44473), (161, 44461), (169, 44425), (183, 44380), (188, 44350), (195, 44311), (199, 44272), (203, 44239), (204, 44236), (208, 44212), (216, 44179), (219, 44158), (225, 44128), (243, 44014), (247, 43972), (248, 43951), (251, 43918), (261, 43846), (263, 43840), (271, 43792), (280, 43747), (285, 43723), (288, 43708), (290, 43684),

Gene: Tinciduntsolum_51 Start: 45009, Stop: 43642, Start Num: 76
Candidate Starts for Tinciduntsolum_51:
(Start: 76 @45009 has 85 MA's), (83, 44946), (85, 44931), (109, 44820), (Start: 117 @44769 has 5 MA's), (130, 44721), (135, 44673), (154, 44532), (157, 44523), (175, 44478), (177, 44472), (178, 44466), (183, 44454), (199, 44349), (203, 44316), (207, 44298), (208, 44289), (216, 44256), (221, 44229), (225, 44205), (229, 44178), (235, 44151), (244, 44076), (248, 44031), (251, 43998), (258, 43977), (260, 43971), (266, 43938), (267, 43929), (269, 43920), (296, 43758), (297, 43740), (302, 43683),

Gene: TinyTerror_49 Start: 44864, Stop: 43251, Start Num: 35
Candidate Starts for TinyTerror_49:
(14, 44990), (15, 44984), (17, 44969), (Start: 33 @44873 has 9 MA's), (Start: 35 @44864 has 43 MA's), (56, 44768), (74, 44690), (91, 44555), (Start: 117 @44396 has 5 MA's), (123, 44381), (125, 44369), (131, 44339), (137, 44297), (145, 44219), (174, 44087), (180, 44054), (183, 44045), (198, 43952), (204, 43904), (207, 43889), (208, 43880), (221, 43820), (225, 43796), (242, 43706), (251, 43595), (261, 43562), (264, 43544), (268, 43523), (274, 43490),

Gene: TomBombadil_51 Start: 45235, Stop: 43832, Start Num: 75
Candidate Starts for TomBombadil_51:

(11, 45613), (12, 45568), (19, 45526), (28, 45445), (40, 45400), (Start: 75 @45235 has 243 MA's), (Start: 76 @45232 has 85 MA's), (Start: 77 @45226 has 2 MA's), (82, 45184), (93, 45112), (99, 45091), (118, 44995), (131, 44944), (139, 44878), (140, 44875), (145, 44824), (157, 44758), (161, 44746), (169, 44710), (183, 44665), (188, 44635), (195, 44596), (199, 44557), (203, 44524), (204, 44521), (206, 44515), (208, 44497), (216, 44464), (219, 44443), (225, 44413), (243, 44299), (247, 44257), (248, 44236), (251, 44203), (261, 44131), (263, 44125), (271, 44077), (280, 44032), (285, 44008), (288, 43993), (290, 43969),

Gene: Tomlarah_51 Start: 45238, Stop: 43835, Start Num: 75
Candidate Starts for Tomlarah_51:
(11, 45616), (12, 45571), (19, 45529), (28, 45448), (40, 45403), (Start: 75 @45238 has 243 MA's), (Start: 76 @45235 has 85 MA's), (Start: 77 @45229 has 2 MA's), (82, 45187), (93, 45115), (99, 45094), (118, 44998), (131, 44947), (139, 44881), (140, 44878), (145, 44827), (157, 44761), (161, 44749), (169, 44713), (183, 44668), (188, 44638), (195, 44599), (199, 44560), (203, 44527), (204, 44524), (208, 44500), (216, 44467), (219, 44446), (225, 44416), (243, 44302), (247, 44260), (248, 44239), (251, 44206), (261, 44134), (263, 44128), (271, 44080), (280, 44035), (285, 44011), (288, 43996), (290, 43972),

Gene: Toni_50 Start: 44942, Stop: 43539, Start Num: 75
Candidate Starts for Toni_50:
(11, 45320), (12, 45275), (19, 45233), (28, 45152), (40, 45107), (Start: 75 @44942 has 243 MA's), (Start: 76 @44939 has 85 MA's), (Start: 77 @44933 has 2 MA's), (82, 44891), (93, 44819), (99, 44798), (118, 44702), (131, 44651), (139, 44585), (140, 44582), (145, 44531), (157, 44465), (161, 44453), (169, 44417), (183, 44372), (188, 44342), (195, 44303), (199, 44264), (203, 44231), (204, 44228), (208, 44204), (216, 44171), (219, 44150), (225, 44120), (243, 44006), (247, 43964), (248, 43943), (251, 43910), (261, 43838), (263, 43832), (271, 43784), (280, 43739), (285, 43715), (288, 43700), (290, 43676),

Gene: TooFast2Furius_52 Start: 45480, Stop: 44077, Start Num: 75
Candidate Starts for TooFast2Furius_52:
(40, 45645), (Start: 75 @45480 has 243 MA's), (Start: 76 @45477 has 85 MA's), (Start: 77 @45471 has 2 MA's), (82, 45429), (93, 45357), (99, 45336), (118, 45240), (131, 45189), (139, 45123), (140, 45120), (143, 45096), (145, 45069), (157, 45003), (161, 44991), (169, 44955), (183, 44910), (188, 44880), (195, 44841), (199, 44802), (203, 44769), (204, 44766), (208, 44742), (216, 44709), (219, 44688), (225, 44658), (243, 44544), (247, 44502), (248, 44481), (251, 44448), (261, 44376), (263, 44370), (271, 44322), (280, 44277), (285, 44253), (288, 44238), (290, 44214),

Gene: Tooj_51 Start: 45317, Stop: 43914, Start Num: 75
Candidate Starts for Tooj_51:
(11, 45695), (12, 45650), (19, 45608), (28, 45527), (40, 45482), (Start: 75 @45317 has 243 MA's), (Start: 76 @45314 has 85 MA's), (Start: 77 @45308 has 2 MA's), (82, 45266), (93, 45194), (99, 45173), (118, 45077), (131, 45026), (139, 44960), (140, 44957), (145, 44906), (157, 44840), (161, 44828), (169, 44792), (183, 44747), (188, 44717), (195, 44678), (199, 44639), (203, 44606), (204, 44603), (208, 44579), (216, 44546), (219, 44525), (225, 44495), (243, 44381), (247, 44339), (248, 44318), (251, 44285), (261, 44213), (263, 44207), (271, 44159), (280, 44114), (285, 44090), (288, 44075), (290, 44051),

Gene: TraderJ_47 Start: 40118, Stop: 38949, Start Num: 117
Candidate Starts for TraderJ_47:
(3, 40970), (4, 40946), (7, 40835), (9, 40790), (Start: 21 @40631 has 7 MA's), (Start: 41 @40553 has 6 MA's), (90, 40298), (95, 40271), (Start: 117 @40118 has 5 MA's), (121, 40112), (126, 40088), (129, 40079), (131, 40061), (134, 40028), (136, 40022), (146, 39932), (160, 39872), (179, 39803), (193, 39740), (201, 39668), (203, 39656), (207, 39638), (208, 39629), (216, 39596), (225, 39545), (233,

39515), (236, 39488), (237, 39485), (248, 39377), (252, 39335), (256, 39302), (260, 39257), (263, 39245), (268, 39212), (269, 39206), (274, 39179),

Gene: Tres_50 Start: 44860, Stop: 43493, Start Num: 76
Candidate Starts for Tres_50:
(Start: 76 @44860 has 85 MA's), (83, 44797), (85, 44782), (109, 44671), (Start: 117 @44620 has 5 MA's), (130, 44572), (135, 44524), (154, 44383), (157, 44374), (175, 44329), (177, 44323), (178, 44317), (183, 44305), (199, 44200), (203, 44167), (207, 44149), (208, 44140), (216, 44107), (221, 44080), (225, 44056), (229, 44029), (235, 44002), (244, 43927), (248, 43882), (251, 43849), (258, 43828), (260, 43822), (266, 43789), (267, 43780), (269, 43771), (296, 43609), (297, 43591), (302, 43534),

Gene: Triad_51 Start: 44121, Stop: 42718, Start Num: 75
Candidate Starts for Triad_51:
(11, 44499), (12, 44454), (19, 44412), (28, 44331), (40, 44286), (Start: 75 @44121 has 243 MA's), (Start: 76 @44118 has 85 MA's), (Start: 77 @44112 has 2 MA's), (82, 44070), (93, 43998), (99, 43977), (118, 43881), (131, 43830), (139, 43764), (140, 43761), (145, 43710), (157, 43644), (161, 43632), (169, 43596), (183, 43551), (188, 43521), (195, 43482), (199, 43443), (203, 43410), (204, 43407), (208, 43383), (216, 43350), (219, 43329), (225, 43299), (243, 43185), (247, 43143), (248, 43122), (251, 43089), (261, 43017), (263, 43011), (271, 42963), (280, 42918), (285, 42894), (288, 42879), (290, 42855),

Gene: True_50 Start: 44948, Stop: 43545, Start Num: 75
Candidate Starts for True_50:
(11, 45326), (12, 45281), (19, 45239), (28, 45158), (40, 45113), (Start: 75 @44948 has 243 MA's), (Start: 76 @44945 has 85 MA's), (Start: 77 @44939 has 2 MA's), (82, 44897), (93, 44825), (99, 44804), (118, 44708), (131, 44657), (139, 44591), (140, 44588), (145, 44537), (157, 44471), (161, 44459), (169, 44423), (183, 44378), (188, 44348), (195, 44309), (199, 44270), (203, 44237), (204, 44234), (208, 44210), (216, 44177), (219, 44156), (225, 44126), (243, 44012), (247, 43970), (248, 43949), (251, 43916), (261, 43844), (263, 43838), (271, 43790), (280, 43745), (285, 43721), (288, 43706), (290, 43682),

Gene: Trypo_52 Start: 45379, Stop: 43976, Start Num: 75
Candidate Starts for Trypo_52:
(40, 45544), (Start: 75 @45379 has 243 MA's), (Start: 76 @45376 has 85 MA's), (Start: 77 @45370 has 2 MA's), (82, 45328), (93, 45256), (99, 45235), (118, 45139), (131, 45088), (139, 45022), (140, 45019), (145, 44968), (157, 44902), (161, 44890), (169, 44854), (183, 44809), (188, 44779), (195, 44740), (199, 44701), (203, 44668), (204, 44665), (206, 44659), (208, 44641), (216, 44608), (219, 44587), (225, 44557), (243, 44443), (247, 44401), (248, 44380), (251, 44347), (261, 44275), (263, 44269), (271, 44221), (280, 44176), (285, 44152), (288, 44137), (290, 44113),

Gene: Tydolla_49 Start: 45612, Stop: 43999, Start Num: 35
Candidate Starts for Tydolla_49:
(14, 45738), (15, 45732), (17, 45717), (Start: 33 @45621 has 9 MA's), (Start: 35 @45612 has 43 MA's), (56, 45516), (74, 45438), (91, 45303), (Start: 117 @45144 has 5 MA's), (123, 45129), (125, 45117), (131, 45087), (137, 45045), (145, 44967), (174, 44835), (180, 44802), (183, 44793), (198, 44700), (204, 44652), (207, 44637), (208, 44628), (216, 44595), (221, 44568), (225, 44544), (242, 44454), (251, 44343), (261, 44310), (262, 44307), (264, 44292), (268, 44271), (274, 44238),

Gene: TyrionL_50 Start: 44804, Stop: 43401, Start Num: 75
Candidate Starts for TyrionL_50:
(11, 45182), (12, 45137), (19, 45095), (28, 45014), (40, 44969), (Start: 75 @44804 has 243 MA's), (Start: 76 @44801 has 85 MA's), (Start: 77 @44795 has 2 MA's), (82, 44753), (93, 44681), (99,

44660), (118, 44564), (131, 44513), (139, 44447), (140, 44444), (145, 44393), (157, 44327), (161, 44315), (169, 44279), (183, 44234), (188, 44204), (195, 44165), (199, 44126), (203, 44093), (204, 44090), (206, 44084), (208, 44066), (216, 44033), (219, 44012), (225, 43982), (243, 43868), (247, 43826), (248, 43805), (251, 43772), (261, 43700), (263, 43694), (271, 43646), (280, 43601), (285, 43577), (288, 43562), (290, 43538),

Gene: UAch1_51 Start: 45272, Stop: 43869, Start Num: 75
Candidate Starts for UAch1_51:
(11, 45650), (12, 45605), (19, 45563), (28, 45482), (40, 45437), (Start: 75 @45272 has 243 MA's), (Start: 76 @45269 has 85 MA's), (Start: 77 @45263 has 2 MA's), (82, 45221), (93, 45149), (99, 45128), (118, 45032), (131, 44981), (139, 44915), (140, 44912), (143, 44888), (145, 44861), (157, 44795), (161, 44783), (169, 44747), (183, 44702), (188, 44672), (195, 44633), (199, 44594), (203, 44561), (204, 44558), (208, 44534), (216, 44501), (219, 44480), (225, 44450), (243, 44336), (247, 44294), (248, 44273), (251, 44240), (261, 44168), (263, 44162), (271, 44114), (280, 44069), (285, 44045), (288, 44030), (290, 44006),

Gene: UncleHowie_51 Start: 44947, Stop: 43544, Start Num: 75
Candidate Starts for UncleHowie_51:
(40, 45112), (Start: 75 @44947 has 243 MA's), (Start: 76 @44944 has 85 MA's), (Start: 77 @44938 has 2 MA's), (82, 44896), (93, 44824), (99, 44803), (118, 44707), (131, 44656), (139, 44590), (140, 44587), (143, 44563), (145, 44536), (157, 44470), (161, 44458), (169, 44422), (183, 44377), (188, 44347), (195, 44308), (199, 44269), (203, 44236), (204, 44233), (208, 44209), (216, 44176), (219, 44155), (225, 44125), (243, 44011), (247, 43969), (248, 43948), (251, 43915), (261, 43843), (263, 43837), (271, 43789), (280, 43744), (285, 43720), (288, 43705), (290, 43681),

Gene: Usavi_51 Start: 45246, Stop: 43843, Start Num: 75
Candidate Starts for Usavi_51:
(40, 45411), (Start: 75 @45246 has 243 MA's), (Start: 76 @45243 has 85 MA's), (Start: 77 @45237 has 2 MA's), (82, 45195), (93, 45123), (99, 45102), (118, 45006), (131, 44955), (139, 44889), (140, 44886), (143, 44862), (145, 44835), (157, 44769), (161, 44757), (169, 44721), (183, 44676), (188, 44646), (195, 44607), (199, 44568), (203, 44535), (204, 44532), (208, 44508), (216, 44475), (219, 44454), (225, 44424), (243, 44310), (247, 44268), (248, 44247), (251, 44214), (261, 44142), (263, 44136), (271, 44088), (280, 44043), (285, 44019), (288, 44004), (290, 43980),

Gene: Vaishali24_50 Start: 44918, Stop: 43515, Start Num: 75
Candidate Starts for Vaishali24_50:
(11, 45296), (12, 45251), (19, 45209), (28, 45128), (40, 45083), (Start: 75 @44918 has 243 MA's), (Start: 76 @44915 has 85 MA's), (Start: 77 @44909 has 2 MA's), (82, 44867), (93, 44795), (99, 44774), (118, 44678), (131, 44627), (139, 44561), (140, 44558), (145, 44507), (157, 44441), (161, 44429), (169, 44393), (183, 44348), (188, 44318), (195, 44279), (199, 44240), (203, 44207), (204, 44204), (208, 44180), (216, 44147), (219, 44126), (225, 44096), (243, 43982), (247, 43940), (248, 43919), (251, 43886), (261, 43814), (263, 43808), (271, 43760), (280, 43715), (285, 43691), (288, 43676), (290, 43652),

Gene: Valjean_51 Start: 45240, Stop: 43840, Start Num: 76
Candidate Starts for Valjean_51:
(40, 45408), (Start: 75 @45243 has 243 MA's), (Start: 76 @45240 has 85 MA's), (Start: 77 @45234 has 2 MA's), (82, 45192), (93, 45120), (99, 45099), (118, 45003), (131, 44952), (139, 44886), (140, 44883), (143, 44859), (145, 44832), (157, 44766), (161, 44754), (169, 44718), (183, 44673), (188, 44643), (195, 44604), (199, 44565), (203, 44532), (204, 44529), (208, 44505), (216, 44472), (219, 44451), (225, 44421), (243, 44307), (247, 44265), (248, 44244), (251, 44211), (261, 44139), (263, 44133), (271, 44085), (280, 44040), (285, 44016), (288, 44001), (290, 43977),

Gene: Vaticameos_47 Start: 42929, Stop: 41526, Start Num: 75
Candidate Starts for Vaticameos_47:
(11, 43307), (12, 43262), (19, 43220), (28, 43139), (40, 43094), (Start: 75 @42929 has 243 MA's), (Start: 76 @42926 has 85 MA's), (Start: 77 @42920 has 2 MA's), (82, 42878), (93, 42806), (99, 42785), (118, 42689), (131, 42638), (139, 42572), (140, 42569), (145, 42518), (157, 42452), (161, 42440), (169, 42404), (183, 42359), (188, 42329), (195, 42290), (199, 42251), (203, 42218), (204, 42215), (208, 42191), (216, 42158), (219, 42137), (225, 42107), (243, 41993), (247, 41951), (248, 41930), (251, 41897), (261, 41825), (263, 41819), (271, 41771), (280, 41726), (285, 41702), (288, 41687), (290, 41663),

Gene: Vectra_50 Start: 44813, Stop: 43410, Start Num: 72
Candidate Starts for Vectra_50:
(40, 44975), (Start: 72 @44813 has 35 MA's), (Start: 76 @44810 has 85 MA's), (82, 44762), (93, 44690), (99, 44669), (118, 44573), (131, 44522), (139, 44456), (140, 44453), (143, 44429), (145, 44402), (157, 44336), (161, 44324), (169, 44288), (183, 44243), (188, 44213), (195, 44174), (199, 44135), (203, 44102), (204, 44099), (208, 44075), (216, 44042), (219, 44021), (225, 43991), (243, 43877), (247, 43835), (248, 43814), (251, 43781), (261, 43709), (263, 43703), (271, 43655), (280, 43610), (285, 43586), (288, 43571), (290, 43547),

Gene: Veritas_50 Start: 44825, Stop: 43422, Start Num: 72
Candidate Starts for Veritas_50:
(40, 44987), (Start: 72 @44825 has 35 MA's), (Start: 76 @44822 has 85 MA's), (82, 44774), (93, 44702), (99, 44681), (118, 44585), (131, 44534), (139, 44468), (140, 44465), (145, 44414), (157, 44348), (161, 44336), (169, 44300), (183, 44255), (188, 44225), (195, 44186), (199, 44147), (203, 44114), (204, 44111), (206, 44105), (208, 44087), (216, 44054), (219, 44033), (225, 44003), (243, 43889), (247, 43847), (248, 43826), (251, 43793), (261, 43721), (263, 43715), (271, 43667), (280, 43622), (285, 43598), (288, 43583), (290, 43559),

Gene: Vic9_00049 Start: 45381, Stop: 44014, Start Num: 76
Candidate Starts for Vic9_00049:
(Start: 76 @45381 has 85 MA's), (83, 45318), (85, 45303), (109, 45192), (Start: 117 @45141 has 5 MA's), (130, 45093), (135, 45045), (154, 44904), (157, 44895), (175, 44850), (177, 44844), (178, 44838), (183, 44826), (199, 44721), (203, 44688), (205, 44682), (207, 44670), (208, 44661), (216, 44628), (221, 44601), (225, 44577), (229, 44550), (235, 44523), (244, 44448), (248, 44403), (251, 44370), (258, 44349), (260, 44343), (266, 44310), (269, 44292), (296, 44130), (297, 44112), (302, 44055),

Gene: Vincenzo_47 Start: 46277, Stop: 44940, Start Num: 75
Candidate Starts for Vincenzo_47:
(Start: 75 @46277 has 243 MA's), (Start: 79 @46262 has 2 MA's), (115, 46067), (126, 46022), (131, 46001), (151, 45836), (157, 45815), (158, 45812), (163, 45797), (188, 45698), (191, 45680), (196, 45656), (204, 45584), (207, 45569), (211, 45545), (217, 45524), (219, 45506), (225, 45476), (232, 45449), (237, 45416), (240, 45398), (245, 45341), (248, 45305), (251, 45272), (263, 45233), (274, 45167), (275, 45164), (288, 45101), (289, 45095), (290, 45077),

Gene: VioletZ_48 Start: 45803, Stop: 44463, Start Num: 75
Candidate Starts for VioletZ_48:
(Start: 72 @45806 has 35 MA's), (Start: 75 @45803 has 243 MA's), (Start: 77 @45794 has 2 MA's), (78, 45788), (84, 45737), (115, 45590), (126, 45545), (131, 45524), (148, 45383), (151, 45359), (157, 45338), (158, 45335), (163, 45320), (165, 45305), (187, 45236), (188, 45221), (191, 45203), (196, 45179), (204, 45107), (208, 45083), (216, 45050), (217, 45047), (219, 45029), (225, 44999), (237, 44939), (240, 44921), (242, 44909), (245, 44864), (246, 44858), (247, 44849), (250, 44819), (251, 44795), (263, 44756), (270, 44711), (274, 44690), (275, 44687), (289, 44618), (290, 44600),

Gene: Virapocalypse_51 Start: 45238, Stop: 43835, Start Num: 75
Candidate Starts for Virapocalypse_51:
(11, 45616), (12, 45571), (19, 45529), (28, 45448), (40, 45403), (Start: 75 @45238 has 243 MA's), (Start: 76 @45235 has 85 MA's), (Start: 77 @45229 has 2 MA's), (82, 45187), (93, 45115), (99, 45094), (118, 44998), (131, 44947), (139, 44881), (140, 44878), (145, 44827), (157, 44761), (161, 44749), (169, 44713), (183, 44668), (188, 44638), (195, 44599), (199, 44560), (203, 44527), (204, 44524), (208, 44500), (216, 44467), (219, 44446), (225, 44416), (243, 44302), (247, 44260), (248, 44239), (251, 44206), (261, 44134), (263, 44128), (271, 44080), (280, 44035), (285, 44011), (288, 43996), (290, 43972),

Gene: Virgeve_50 Start: 45015, Stop: 43612, Start Num: 72
Candidate Starts for Virgeve_50:
(40, 45177), (Start: 72 @45015 has 35 MA's), (Start: 76 @45012 has 85 MA's), (82, 44964), (93, 44892), (99, 44871), (118, 44775), (131, 44724), (139, 44658), (140, 44655), (145, 44604), (157, 44538), (161, 44526), (169, 44490), (183, 44445), (188, 44415), (195, 44376), (199, 44337), (203, 44304), (204, 44301), (206, 44295), (208, 44277), (216, 44244), (219, 44223), (225, 44193), (243, 44079), (247, 44037), (248, 44016), (251, 43983), (261, 43911), (263, 43905), (271, 43857), (280, 43812), (285, 43788), (288, 43773), (290, 43749),

Gene: Vista_51 Start: 45248, Stop: 43845, Start Num: 75
Candidate Starts for Vista_51:
(40, 45413), (Start: 75 @45248 has 243 MA's), (Start: 76 @45245 has 85 MA's), (Start: 77 @45239 has 2 MA's), (82, 45197), (93, 45125), (99, 45104), (118, 45008), (131, 44957), (139, 44891), (140, 44888), (143, 44864), (145, 44837), (157, 44771), (161, 44759), (169, 44723), (183, 44678), (188, 44648), (195, 44609), (199, 44570), (203, 44537), (204, 44534), (208, 44510), (216, 44477), (219, 44456), (225, 44426), (243, 44312), (247, 44270), (248, 44249), (251, 44216), (261, 44144), (263, 44138), (271, 44090), (280, 44045), (285, 44021), (288, 44006), (290, 43982),

Gene: Vivaldi_52 Start: 45680, Stop: 44280, Start Num: 76
Candidate Starts for Vivaldi_52:
(Start: 72 @45683 has 35 MA's), (Start: 76 @45680 has 85 MA's), (Start: 77 @45674 has 2 MA's), (82, 45632), (93, 45560), (99, 45539), (118, 45443), (131, 45392), (139, 45326), (140, 45323), (145, 45272), (157, 45206), (161, 45194), (169, 45158), (183, 45113), (188, 45083), (195, 45044), (199, 45005), (203, 44972), (204, 44969), (208, 44945), (216, 44912), (219, 44891), (225, 44861), (243, 44747), (247, 44705), (248, 44684), (251, 44651), (261, 44579), (263, 44573), (280, 44480), (285, 44456), (288, 44441), (290, 44417),

Gene: Vortex_51 Start: 44945, Stop: 43542, Start Num: 75
Candidate Starts for Vortex_51:
(11, 45323), (12, 45278), (19, 45236), (28, 45155), (40, 45110), (Start: 75 @44945 has 243 MA's), (Start: 76 @44942 has 85 MA's), (Start: 77 @44936 has 2 MA's), (82, 44894), (93, 44822), (99, 44801), (118, 44705), (131, 44654), (139, 44588), (140, 44585), (145, 44534), (157, 44468), (161, 44456), (169, 44420), (183, 44375), (188, 44345), (195, 44306), (199, 44267), (203, 44234), (204, 44231), (208, 44207), (216, 44174), (219, 44153), (225, 44123), (243, 44009), (247, 43967), (248, 43946), (251, 43913), (261, 43841), (263, 43835), (271, 43787), (280, 43742), (285, 43718), (288, 43703), (290, 43679),

Gene: Waleliano_46 Start: 45719, Stop: 44379, Start Num: 75
Candidate Starts for Waleliano_46:
(Start: 72 @45722 has 35 MA's), (Start: 75 @45719 has 243 MA's), (Start: 77 @45710 has 2 MA's), (78, 45704), (84, 45653), (115, 45506), (131, 45440), (148, 45299), (151, 45275), (157, 45254), (158, 45251), (163, 45236), (165, 45221), (187, 45152), (191, 45119), (196, 45095), (204, 45023), (207,

45008), (208, 44999), (216, 44966), (217, 44963), (219, 44945), (225, 44915), (237, 44855), (240, 44837), (242, 44825), (244, 44792), (245, 44780), (246, 44774), (247, 44765), (248, 44744), (250, 44735), (251, 44711), (263, 44672), (274, 44606), (275, 44603), (288, 44540), (289, 44534), (290, 44516),

Gene: Wallhey_50 Start: 44808, Stop: 43405, Start Num: 75
Candidate Starts for Wallhey_50:
(11, 45186), (12, 45141), (19, 45099), (28, 45018), (40, 44973), (Start: 75 @44808 has 243 MA's), (Start: 76 @44805 has 85 MA's), (Start: 77 @44799 has 2 MA's), (82, 44757), (93, 44685), (99, 44664), (118, 44568), (131, 44517), (139, 44451), (140, 44448), (145, 44397), (157, 44331), (161, 44319), (169, 44283), (183, 44238), (188, 44208), (195, 44169), (199, 44130), (203, 44097), (204, 44094), (206, 44088), (208, 44070), (216, 44037), (219, 44016), (225, 43986), (243, 43872), (247, 43830), (248, 43809), (251, 43776), (261, 43704), (263, 43698), (271, 43650), (280, 43605), (285, 43581), (288, 43566), (290, 43542),

Gene: Waterdiva_51 Start: 45240, Stop: 43837, Start Num: 75
Candidate Starts for Waterdiva_51:
(40, 45405), (Start: 75 @45240 has 243 MA's), (Start: 76 @45237 has 85 MA's), (Start: 77 @45231 has 2 MA's), (82, 45189), (93, 45117), (99, 45096), (118, 45000), (131, 44949), (139, 44883), (140, 44880), (143, 44856), (145, 44829), (157, 44763), (161, 44751), (169, 44715), (183, 44670), (188, 44640), (195, 44601), (199, 44562), (203, 44529), (204, 44526), (208, 44502), (216, 44469), (219, 44448), (225, 44418), (243, 44304), (247, 44262), (248, 44241), (251, 44208), (261, 44136), (263, 44130), (271, 44082), (280, 44037), (285, 44013), (288, 43998), (290, 43974),

Gene: Weher20_51 Start: 45239, Stop: 43836, Start Num: 75
Candidate Starts for Weher20_51:
(40, 45404), (Start: 75 @45239 has 243 MA's), (Start: 76 @45236 has 85 MA's), (Start: 77 @45230 has 2 MA's), (82, 45188), (93, 45116), (99, 45095), (118, 44999), (131, 44948), (139, 44882), (140, 44879), (145, 44828), (157, 44762), (161, 44750), (169, 44714), (183, 44669), (188, 44639), (195, 44600), (199, 44561), (203, 44528), (204, 44525), (206, 44519), (208, 44501), (216, 44468), (219, 44447), (225, 44417), (243, 44303), (247, 44261), (248, 44240), (251, 44207), (261, 44135), (263, 44129), (271, 44081), (280, 44036), (285, 44012), (288, 43997), (290, 43973),

Gene: West99_50 Start: 44995, Stop: 43628, Start Num: 76
Candidate Starts for West99_50:
(Start: 76 @44995 has 85 MA's), (83, 44932), (85, 44917), (109, 44806), (Start: 117 @44755 has 5 MA's), (130, 44707), (135, 44659), (154, 44518), (157, 44509), (175, 44464), (177, 44458), (178, 44452), (183, 44440), (199, 44335), (203, 44302), (207, 44284), (208, 44275), (216, 44242), (221, 44215), (225, 44191), (229, 44164), (235, 44137), (244, 44062), (248, 44017), (251, 43984), (258, 43963), (260, 43957), (266, 43924), (267, 43915), (269, 43906), (296, 43744), (297, 43726), (302, 43669),

Gene: Windsor_50 Start: 44944, Stop: 43541, Start Num: 75
Candidate Starts for Windsor_50:
(11, 45322), (12, 45277), (19, 45235), (28, 45154), (40, 45109), (Start: 75 @44944 has 243 MA's), (Start: 76 @44941 has 85 MA's), (Start: 77 @44935 has 2 MA's), (82, 44893), (93, 44821), (99, 44800), (118, 44704), (131, 44653), (139, 44587), (140, 44584), (145, 44533), (157, 44467), (161, 44455), (169, 44419), (183, 44374), (188, 44344), (195, 44305), (199, 44266), (203, 44233), (204, 44230), (208, 44206), (216, 44173), (219, 44152), (225, 44122), (243, 44008), (247, 43966), (248, 43945), (251, 43912), (261, 43840), (263, 43834), (271, 43786), (280, 43741), (285, 43717), (288, 43702), (290, 43678),

Gene: Wooper_47 Start: 40124, Stop: 38955, Start Num: 117

Candidate Starts for Wooper_47:
(4, 40952), (7, 40841), (9, 40796), (Start: 21 @40637 has 7 MA's), (Start: 41 @40559 has 6 MA's), (90, 40304), (95, 40277), (Start: 117 @40124 has 5 MA's), (121, 40118), (126, 40094), (129, 40085), (131, 40067), (134, 40034), (136, 40028), (146, 39938), (160, 39878), (179, 39809), (193, 39746), (201, 39674), (203, 39662), (207, 39644), (208, 39635), (216, 39602), (225, 39551), (233, 39521), (236, 39494), (237, 39491), (248, 39383), (252, 39341), (256, 39308), (260, 39263), (263, 39251), (268, 39218), (269, 39212), (274, 39185),

Gene: Xavier_50 Start: 44952, Stop: 43549, Start Num: 75
Candidate Starts for Xavier_50:
(11, 45330), (12, 45285), (19, 45243), (28, 45162), (40, 45117), (Start: 75 @44952 has 243 MA's), (Start: 76 @44949 has 85 MA's), (Start: 77 @44943 has 2 MA's), (82, 44901), (93, 44829), (99, 44808), (118, 44712), (131, 44661), (139, 44595), (140, 44592), (145, 44541), (157, 44475), (161, 44463), (169, 44427), (183, 44382), (188, 44352), (195, 44313), (199, 44274), (203, 44241), (204, 44238), (206, 44232), (208, 44214), (216, 44181), (219, 44160), (225, 44130), (243, 44016), (247, 43974), (248, 43953), (251, 43920), (261, 43848), (263, 43842), (271, 43794), (280, 43749), (285, 43725), (288, 43710), (290, 43686),

Gene: Xincheng_45 Start: 45163, Stop: 43823, Start Num: 75
Candidate Starts for Xincheng_45:
(Start: 75 @45163 has 243 MA's), (Start: 77 @45154 has 2 MA's), (78, 45148), (115, 44950), (126, 44905), (131, 44884), (148, 44743), (151, 44719), (157, 44698), (158, 44695), (163, 44680), (165, 44665), (187, 44596), (191, 44563), (196, 44539), (204, 44467), (207, 44452), (208, 44443), (211, 44428), (216, 44410), (217, 44407), (219, 44389), (225, 44359), (237, 44299), (240, 44281), (242, 44269), (245, 44224), (246, 44218), (247, 44209), (248, 44188), (250, 44179), (251, 44155), (263, 44116), (274, 44050), (275, 44047), (289, 43978), (290, 43960),

Gene: Yago84_44 Start: 38830, Stop: 37565, Start Num: 41
Candidate Starts for Yago84_44:
(Start: 41 @38830 has 6 MA's), (49, 38812), (54, 38791), (Start: 117 @38704 has 5 MA's), (121, 38698), (125, 38677), (131, 38647), (181, 38389), (186, 38371), (196, 38314), (204, 38242), (207, 38227), (208, 38218), (212, 38200), (216, 38185), (221, 38158), (225, 38134), (237, 38074), (245, 37999), (248, 37966), (251, 37933), (254, 37924), (258, 37900), (259, 37888), (269, 37822), (274, 37795), (277, 37783), (294, 37675), (295, 37672), (297, 37639),

Gene: Yahalom_49 Start: 44898, Stop: 43276, Start Num: 33
Candidate Starts for Yahalom_49:
(14, 45015), (15, 45009), (17, 44994), (Start: 33 @44898 has 9 MA's), (Start: 35 @44889 has 43 MA's), (56, 44793), (74, 44715), (91, 44580), (Start: 117 @44421 has 5 MA's), (123, 44406), (125, 44394), (131, 44364), (137, 44322), (145, 44244), (174, 44112), (180, 44079), (183, 44070), (198, 43977), (204, 43929), (207, 43914), (208, 43905), (221, 43845), (225, 43821), (242, 43731), (251, 43620), (261, 43587), (262, 43584), (264, 43569), (268, 43548), (274, 43515),

Gene: Yeshua_47 Start: 40101, Stop: 38932, Start Num: 117
Candidate Starts for Yeshua_47:
(4, 40929), (7, 40818), (9, 40773), (Start: 21 @40614 has 7 MA's), (Start: 41 @40536 has 6 MA's), (90, 40281), (95, 40254), (Start: 117 @40101 has 5 MA's), (121, 40095), (126, 40071), (129, 40062), (131, 40044), (134, 40011), (136, 40005), (146, 39915), (160, 39855), (179, 39786), (193, 39723), (201, 39651), (203, 39639), (207, 39621), (208, 39612), (216, 39579), (225, 39528), (233, 39498), (236, 39471), (237, 39468), (248, 39360), (252, 39318), (256, 39285), (260, 39240), (263, 39228), (268, 39195), (269, 39189), (274, 39162),

Gene: Yinz_49 Start: 44914, Stop: 43301, Start Num: 35

Candidate Starts for Yinz_49:
(14, 45040), (15, 45034), (17, 45019), (Start: 33 @44923 has 9 MA's), (Start: 35 @44914 has 43 MA's), (56, 44818), (74, 44740), (91, 44605), (Start: 117 @44446 has 5 MA's), (123, 44431), (125, 44419), (131, 44389), (137, 44347), (145, 44269), (156, 44203), (157, 44200), (174, 44137), (180, 44104), (183, 44095), (198, 44002), (204, 43954), (207, 43939), (208, 43930), (221, 43870), (225, 43846), (242, 43756), (251, 43645), (261, 43612), (262, 43609), (264, 43594), (268, 43573), (274, 43540),

Gene: Yoshand_52 Start: 45400, Stop: 44000, Start Num: 76
Candidate Starts for Yoshand_52:
(11, 45781), (12, 45736), (19, 45694), (28, 45613), (40, 45568), (Start: 75 @45403 has 243 MA's), (Start: 76 @45400 has 85 MA's), (Start: 77 @45394 has 2 MA's), (82, 45352), (93, 45280), (99, 45259), (118, 45163), (131, 45112), (139, 45046), (140, 45043), (145, 44992), (157, 44926), (161, 44914), (169, 44878), (183, 44833), (188, 44803), (195, 44764), (199, 44725), (203, 44692), (204, 44689), (208, 44665), (216, 44632), (219, 44611), (225, 44581), (243, 44467), (247, 44425), (248, 44404), (251, 44371), (261, 44299), (263, 44293), (271, 44245), (280, 44200), (285, 44176), (288, 44161), (290, 44137),

Gene: YouGoGlencoco_51 Start: 45242, Stop: 43839, Start Num: 75
Candidate Starts for YouGoGlencoco_51:
(11, 45620), (12, 45575), (19, 45533), (28, 45452), (40, 45407), (Start: 75 @45242 has 243 MA's), (Start: 76 @45239 has 85 MA's), (Start: 77 @45233 has 2 MA's), (82, 45191), (93, 45119), (99, 45098), (118, 45002), (131, 44951), (139, 44885), (140, 44882), (145, 44831), (157, 44765), (161, 44753), (169, 44717), (183, 44672), (188, 44642), (195, 44603), (199, 44564), (203, 44531), (204, 44528), (208, 44504), (216, 44471), (219, 44450), (225, 44420), (243, 44306), (247, 44264), (248, 44243), (251, 44210), (261, 44138), (263, 44132), (271, 44084), (280, 44039), (285, 44015), (288, 44000), (290, 43976),

Gene: Zaider_52 Start: 45472, Stop: 44069, Start Num: 75
Candidate Starts for Zaider_52:
(40, 45637), (Start: 75 @45472 has 243 MA's), (Start: 76 @45469 has 85 MA's), (Start: 77 @45463 has 2 MA's), (82, 45421), (93, 45349), (99, 45328), (118, 45232), (131, 45181), (139, 45115), (140, 45112), (143, 45088), (145, 45061), (157, 44995), (161, 44983), (169, 44947), (183, 44902), (188, 44872), (195, 44833), (199, 44794), (203, 44761), (204, 44758), (208, 44734), (216, 44701), (219, 44680), (225, 44650), (243, 44536), (247, 44494), (248, 44473), (251, 44440), (261, 44368), (263, 44362), (271, 44314), (280, 44269), (285, 44245), (288, 44230), (290, 44206),

Gene: Zelda_51 Start: 45289, Stop: 43886, Start Num: 75
Candidate Starts for Zelda_51:
(40, 45454), (Start: 75 @45289 has 243 MA's), (Start: 76 @45286 has 85 MA's), (Start: 77 @45280 has 2 MA's), (82, 45238), (93, 45166), (99, 45145), (118, 45049), (131, 44998), (139, 44932), (140, 44929), (143, 44905), (145, 44878), (157, 44812), (161, 44800), (169, 44764), (183, 44719), (188, 44689), (195, 44650), (199, 44611), (203, 44578), (204, 44575), (208, 44551), (216, 44518), (219, 44497), (225, 44467), (243, 44353), (247, 44311), (248, 44290), (251, 44257), (261, 44185), (263, 44179), (271, 44131), (280, 44086), (285, 44062), (288, 44047), (290, 44023),

Gene: Zemanar_47 Start: 45703, Stop: 44360, Start Num: 72
Candidate Starts for Zemanar_47:
(Start: 72 @45703 has 35 MA's), (Start: 75 @45700 has 243 MA's), (Start: 77 @45691 has 2 MA's), (78, 45685), (84, 45634), (115, 45487), (126, 45442), (131, 45421), (148, 45280), (151, 45256), (157, 45235), (158, 45232), (163, 45217), (165, 45202), (187, 45133), (191, 45100), (196, 45076), (207, 44989), (208, 44980), (216, 44947), (217, 44944), (219, 44926), (225, 44896), (237, 44836), (240, 44818), (242, 44806), (245, 44761), (246, 44755), (247, 44746), (248, 44725), (250, 44716), (251, 44692), (263, 44653), (274, 44587), (275, 44584), (289, 44515), (290, 44497),

Gene: Zenteno07_55 Start: 45181, Stop: 43661, Start Num: 45
Candidate Starts for Zenteno07_55:
(Start: 45 @45181 has 1 MA's), (58, 45130), (71, 45052), (87, 44950), (119, 44788), (131, 44740), (145, 44620), (146, 44611), (157, 44554), (170, 44500), (171, 44497), (195, 44392), (196, 44389), (204, 44317), (208, 44293), (220, 44236), (237, 44143), (248, 44026), (251, 43993), (252, 43984), (260, 43966), (263, 43954), (277, 43876), (285, 43837), (304, 43669),

Gene: Zonia_51 Start: 45259, Stop: 43856, Start Num: 75
Candidate Starts for Zonia_51:
(11, 45637), (12, 45592), (19, 45550), (28, 45469), (40, 45424), (Start: 75 @45259 has 243 MA's), (Start: 76 @45256 has 85 MA's), (Start: 77 @45250 has 2 MA's), (82, 45208), (93, 45136), (99, 45115), (118, 45019), (131, 44968), (139, 44902), (140, 44899), (145, 44848), (157, 44782), (161, 44770), (169, 44734), (183, 44689), (188, 44659), (195, 44620), (199, 44581), (203, 44548), (204, 44545), (206, 44539), (208, 44521), (216, 44488), (219, 44467), (225, 44437), (243, 44323), (247, 44281), (248, 44260), (251, 44227), (261, 44155), (263, 44149), (271, 44101), (280, 44056), (285, 44032), (288, 44017), (290, 43993),