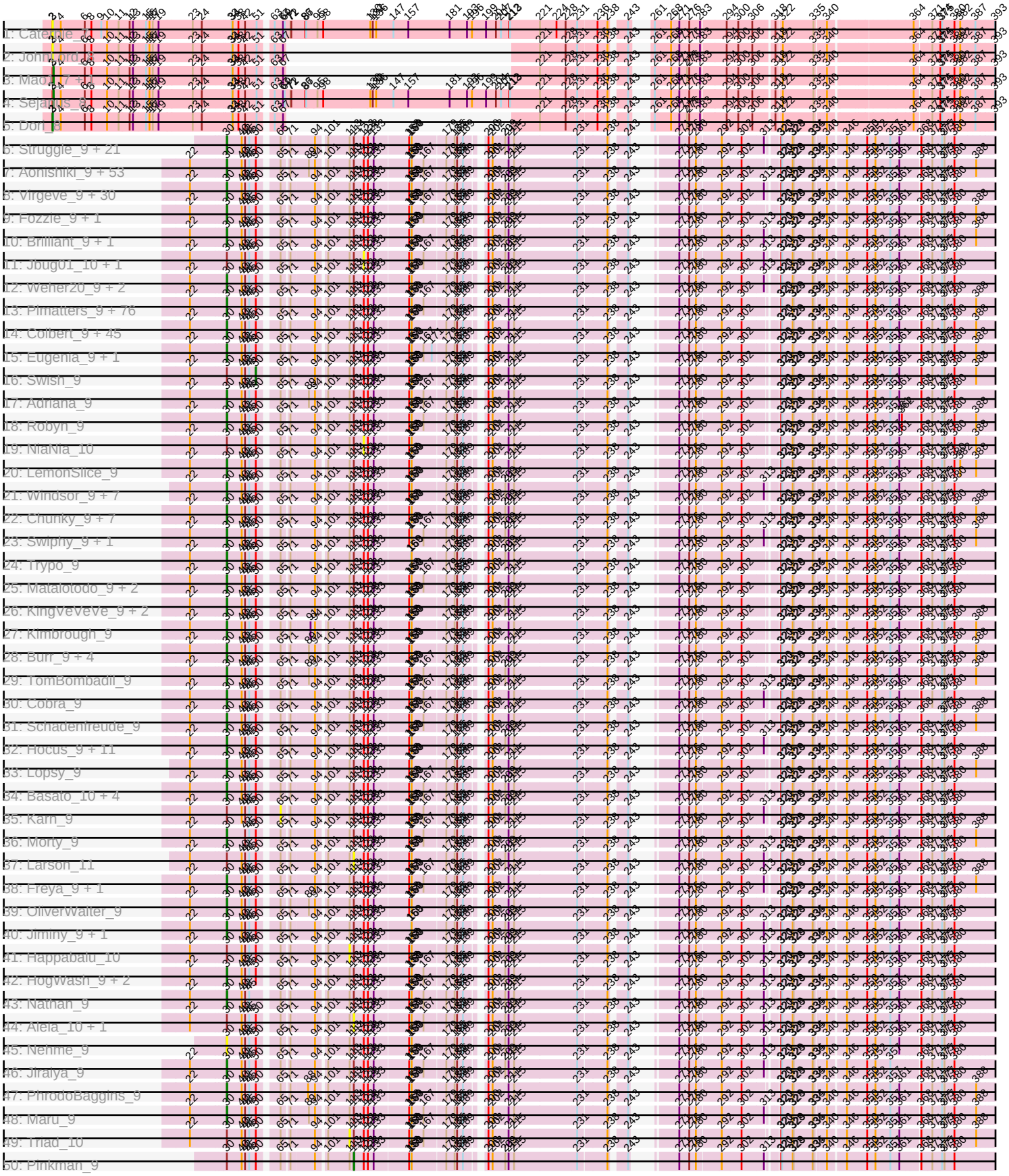
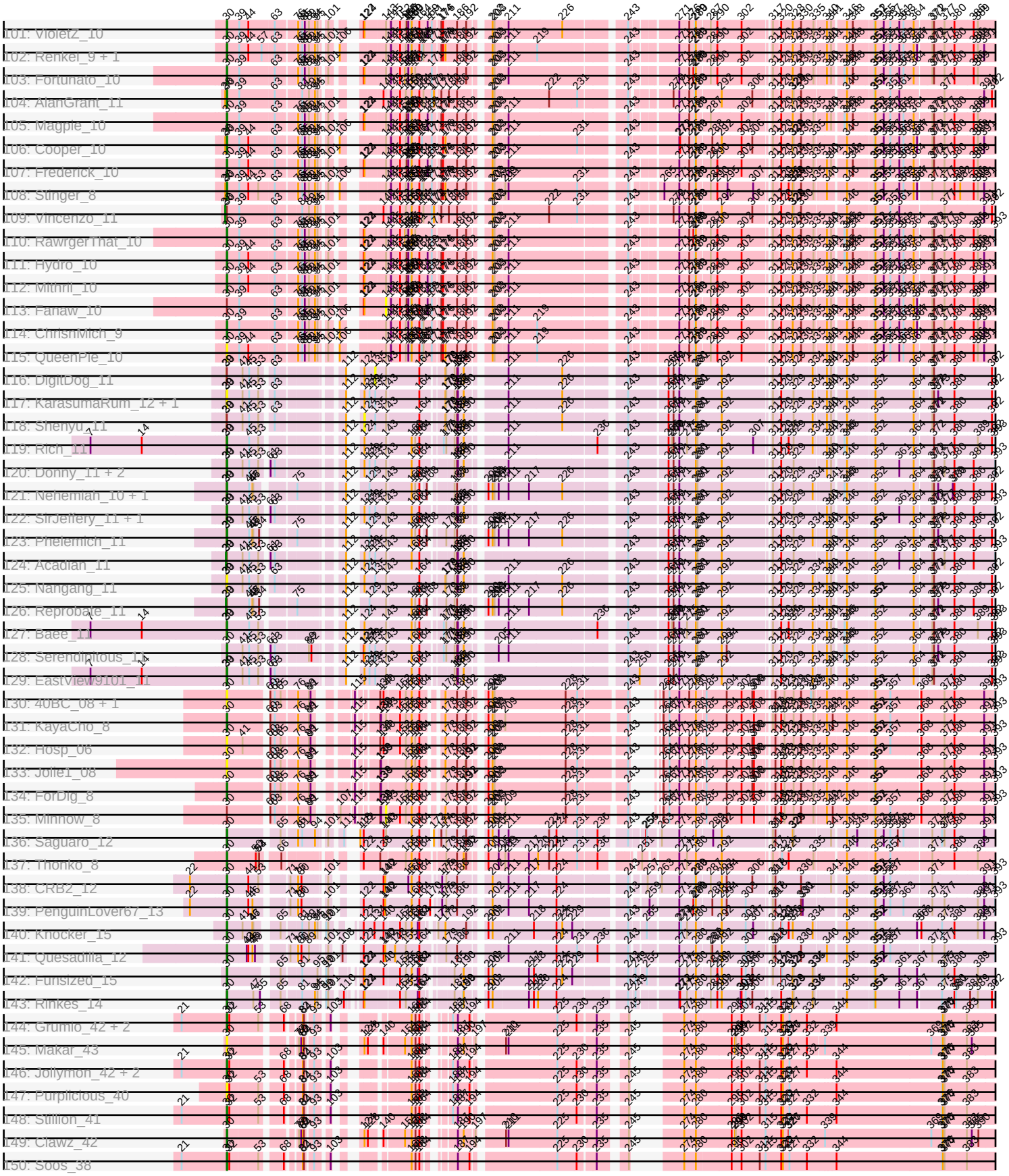
Zoomed Pham 341581



Zoomed Pham 341581



Zoomed Pham 341581



Zoomed Pham 341581



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 341581 Report

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

Pham number 341581 has 548 members, 70 are drafts.

Phages represented in each track:
• Track 1 : Caterpie_7
• Track 2 : JohnLord_8
• Track 3 : Mao1_7, Mask_8
• Track 4 : Sejanus_8
• Track 5 : Dori_8
• Track 6 : Struggle_9, MelsMeow_9, Mag7_9, Veritas_9, MichaelPhcott_9, PhrankReynolds_9, Wallhey_9, Labeouficaum_9, Phleuron_9, Oline_9, Derpp_9, PhenghisKhan_9, DuchessDung_9, Ashraf_9, BatteryCK_9, ImtiyazSitla_9, CharlieGBrown_9, Maskar_9, TyrionL_9, Kailash_9, Kwksand96_9, Phergie_9
• Track 7 : Aonishiki_9, Selr12_9, Orion_9, HenryJackson_9, Skippy_9, Puhltonio_9, DoesntMatter_9, ThreeOh3D2_9, Serendipity_9, Craff_9, Grand2040_9, Mesmerelda_9, True_9, Haimas_9, Aelin_9, Gophee_9, Usavi_9, Lulwa_9, Xavier_9, FremontTroll_9, Cosmolli16_9, Fang_9, AbsoluteMadLad_9, Samaymay_9, Andre_9, QueenBeane_9, Omniscient_9, Pacifista_9, Piglet_009, Charles1_9, Olak_9, Nyala_9, Dice_9, Haleema_9, PG1_9, ShadowBud_9, Gareth_9, Serpentine_009, CamL_9, Jillium_9, Cannibal_9, Fringe_9, Podrick_9, Ricotta_9, Quisquiliae_9, Cher_9, Kwadwo_9, Anderson_9, Beaglebox_9, Chah_9, Mcshane_9, Numberten_9, Megamind20_10, LuckyMarjie_9
• Track 8 : Virgeve_9, DaddyDaniels_9, PallasAthena_9, JDog_9, Khan1_9, Plata_9, Hekos_9, Pipsqueak_9, Longacauda_9, Vista_9, JakeO_9, MrPhizzler_9, Soile_9, Durga_9, Gwennie1_9, Sophia_9, LeeLot_9, Zelda_9, Nova1_9, DelRivs_9, Doddsville_9, Zonia_9, OSmaximus_9, Duggie_9, PinheadLarry_9, Iridessa_9, Thunderbird_9, Salazzle_9, Schueller_9, Orfeu_9, Rimu_9
• Track 9 : Fozzie_9, Phareon_9
• Track 10 : Brilliant_9, BlacksBerry_9
• Track 11 : Jbug01_10, Taraxa_10
• Track 12 : Weher20_9, Melc17_9, Cornbread_9
• Track 13 : Plmatters_9, Kloppinator_9, BoogieWoogie_9, EmpTee_9, Legolas_9, Buckeye_9, ProfessorX_9, DonSanchon_9, Riggan_9, Azuria_9, PhatCats2014_9, ShiVal_9, Orwigg_9, Slatt_9, Timmi_9, Surely_9, Oosterbaan_9, Spartan300_9, Megatron_9, Lumine_9, Mana_9, Valjean_9, Thora_9, Hetaeria_9, Frankicide_9, Boehler_9, Placalicious_9, KingTut_9, MitKao_9, Badfish_9, Gyarad_009, Iridoclysis_9, Held_9, Simielle_9, Phipps_9, Solosis_9, Potter_9, Sigman_9, Septica_9, Altwerkus_9, Zaider_10, Nicole21_9, ABU_9, MRabcd_9, IsaacEli_9, Carthage_9, Katniss_9, Scoot17C_9, GreenChile_10, KLucky39_9, Virapocalypse_9, JangoPhett_9, Scrick_9, FriarPreacher_9, Kikipoo_9, Lego3393_9, Vortex_9, Giraffe_9, Mulan_9, Olive_9, Mosaic_9, LeiMonet_9, JacAttac_9, Phunky_9,

Hertubise_9, Phamished_9, Nacho_009, Telesworld_9, Harvey_9, Vaticameos_9, UAch1_9, Manad_9, Lasso_9, TallGrassMM_9, Cornobble_9, Vivaldi_9, Tomlarah_9
• Track 14 : Colbert_9, Vaishali24_9, Pops_9, Pherdinand_9, Roscoe_10, Riverton_9, TooFast2Furius_10, SallyH_10, Crownjwl_10, Eremos_9, Hamish_9, Lulumae_9, FluffyNinja_9, Childish_9, Prickles_9, RedMaple_9, Yoshand_9, Roy17_9, Squiggle_9, Chipette_10, BlackStallion_9, Tooj_9, Jesabah_9, Newman_9, HSavage_9, RedRaider89_10, Emiris_9, Suffolk_9, KlimbOn_9, Daffy_9, Dione_9, Toni_9, Apizium_9, Bishoperium_9, Banjo_9, Antonia_9, DolOn_11, Mecca_9, Chorkpop_9, Bluephacebaby_9, CheetO_9, Gwilliam_9, EmGer13_9, Daka_9, Squid_9, Inverness_9
• Track 15 : Eugenia_9, FugateOSU_9
• Track 16 : Swish_9
• Track 17 : Adriana_9
• Track 18 : Robyn_9
• Track 19 : NiaNia_10
• Track 20 : LemonSlice_9
• Track 21 : Windsor_9, Chuni_9, Flake_9, Coletti_9, Keitherie_9, SirBeauregard_9, Chute_9, Chaelin_9
• Track 22 : Chunky_9, DirtJuice_9, Roliet_9, Dingo_9, Waterdiva_9, Mikota_9, Morgushi_9, BlueHusk_9
• Track 23 : Swiphy_9, PhatLouie_9
• Track 24 : Trypo_9
• Track 25 : Matalotodo_9, UncleHowie_9, YouGoGlencoco_9
• Track 26 : KingVeVeVe_9, Soto_9, SDcharge11_9
• Track 27 : Kimbrough_9
• Track 28 : Burr_9, Kahve_9, Mutante_9, SassyCat97_9, HighStump_9
• Track 29 : TomBombadil_9
• Track 30 : Cobra_9
• Track 31 : Schadenfreude_9
• Track 32 : Hocus_9, ElvisPhasley_9, Etaye_9, Kiwot_9, Caspiboi_9, Hartsy_9, FleetyMac_9, Inchworm_9, CampRoach_9, LasagnaCat_9, AngelCake_9, Magic8_9
• Track 33 : Lopsy_9
• Track 34 : Basato_10, AltPhacts_9, Mesh1_9, Sheila_9, Horchata_9
• Track 35 : Karn_9
• Track 36 : Morty_9
• Track 37 : Larson_11
• Track 38 : Freya_9, LostAndPhound_9
• Track 39 : OliverWalter_9
• Track 40 : Jiminy_9, Dati_9
• Track 41 : Happabalu_10
• Track 42 : HogWash_9, GeneCoco_9, Vectra_9
• Track 43 : Nathan_9
• Track 44 : Aleia_10, OneBrain_10
• Track 45 : Nehme_9
• Track 46 : Jiraiya_9
• Track 47 : PhrodoBaggins_9
• Track 48 : Maru_9
• Track 49 : Triad_10
• Track 50 : Pinkman_9
• Track 51 : Murdoc_9
• Track 52 : MiniBoss_9
• Track 53 : Lehmann_10
• Track 54 : SilverBell_10

• Track 55 : Imvubu_6
• Track 56 : Indlovu_10
• Track 57 : LilMcDreamy_11
• Track 58 : Zenteno07_14
• Track 59 : BirdsNest_13
• Track 60 : LittleMinkey_15
• Track 61 : Hashim76_14
• Track 62 : Boyle_13, Eaglehorse_13, ItsyBitsy1_13, Lephleur_13, FrenchFry_13, Calamitous_13, Phantasmagoria_13, Faze9_13, Tinciduntsolum_14, Kaleb_13, Tres_13, Brownie5_13, Rosebush_13, PrinceCharming_13, Glass_13, West99_13, LilSmirk_13, Kolhan_13, Opia_13, Allegro_13, Sabella_13, Rhinoforte_13, MasterPo_13, Bananafish_13, Holeinone_13, Hedgerow_13, Coffee_13
• Track 63 : LizLemon_13
• Track 64 : Arbiter_13, Ares_13, Blocker23_13
• Track 65 : Kheth_13, Qyrzula_13
• Track 66 : TA17A_13, Lars_13
• Track 67 : Laurie_13
• Track 68 : Vic9_00013
• Track 69 : Godines_13
• Track 70 : Yinz_12
• Track 71 : SynergyX_12, RagingRooster_12, Audrey_12, Compostia_12, Corofin_12, Devonte_12, Chalmers_12, Halfpint_11, Daisy_12, Philly_11, Morty007_12, Casbah_11, Kamiyu_12, Marley1013_12, OrangeOswald_12, RomaT_12, Nozo_12, Tydolla_12, Abinghost_12, Gadjet_13, Shenandoah_12
• Track 72 : Jackstina_11
• Track 73 : Olivio_11
• Track 74 : GlenHope_13
• Track 75 : Chentzyk_11, Ben11_11
• Track 76 : Pipefish_12, Obutu_12, Rita1961_12
• Track 77 : Bernardo_12
• Track 78 : HarveySr_12
• Track 79 : Gervas_12, Marlia_12, TinyTerror_12
• Track 80 : Neos5_12
• Track 81 : Mulaychimus_12
• Track 82 : Briakila_12
• Track 83 : Heathcliff_12, Phlyer_12
• Track 84 : Baloo_12, Phayeta_12
• Track 85 : SwainyDoc_12, Kronus_11, Glubnar_12, SlippinJimmy_12
• Track 86 : Athena_13
• Track 87 : ChaChing_12
• Track 88 : Yahalom_12
• Track 89 : Mortcellus_11, MmasiCarm_12, Phaedrus_11
• Track 90 : Akoma_12
• Track 91 : LestyG_12
• Track 92 : Chandler_12
• Track 93 : Deenasa_12
• Track 94 : JAMaL_9
• Track 95 : BobbyK_10, Zemanar_11, JoyceMaria_10, Hangman_10, Waleliano_10
• Track 96 : Apex_9, Heath_10, Mudslide_10, Lolalove_10, Prince_10, BrownCNA_11
• Track 97 : Antihero_9, Lambano_9, Ahwei_9, Epah_9, Poster_9, Hally898_9, GinPorsche_9, Nanao_9
• Track 98 : Austelle_10
• Track 99 : Xincheng_10, JaguarMi_11

- Track 100 : Nigel_8
- Track 101 : VioletZ_10
- Track 102 : Renkei_9, LittleDigger_9
- Track 103 : Fortunato_10
- Track 104 : AlanGrant_11
- Track 105 : Magpie_10
- Track 106 : Cooper_10
- Track 107 : Frederick_10
- Track 108 : Stinger_8
- Track 109 : Vincenzo_11
- Track 110 : RawrgerThat_10
- Track 111 : Hydro_10
- Track 112 : Mithril_10
- Track 113 : Fanaw_10
- Track 114 : ChrisnMich_9
- Track 115 : QueenPie_10
- Track 116 : DigitDog_11
- Track 117 : KarasumaRum_12, StinkyVeggy_12
- Track 118 : Shenyu_11
- Track 119 : Rich_11
- Track 120 : Donny_11, Reccee_11, Rita130_11
- Track 121 : Nehemiah_10, Mysterious_11
- Track 122 : SirJeffery_11, Suigeneris_11
- Track 123 : Phelemich_11
- Track 124 : Acadian_11
- Track 125 : Nangang_11
- Track 126 : Reprobate_11
- Track 127 : Baee_11
- Track 128 : Serendipitous_11
- Track 129 : EastView9101_11
- Track 130 : 40BC_08, 39HC_08
- Track 131 : KayaCho_8
- Track 132 : Hosp_06
- Track 133 : Jolie1_08
- Track 134 : ForDig_8
- Track 135 : Minnow_8
- Track 136 : Saguaro_12
- Track 137 : Thonko_8
- Track 138 : CRB2_12
- Track 139 : PenguinLover67_13
- Track 140 : Knocker_15
- Track 141 : Quesadilla_12
- Track 142 : Funsized_15
- Track 143 : Rinkes_14
- Track 144 : Grumio_42, Sting_41, KingstonB_40
- Track 145 : Makar_43
- Track 146 : Jollymon_42, ColdSoup_43, Amo99_43
- Track 147 : Purplicious_40
- Track 148 : Stillion_41
- Track 149 : Clawz_42
- Track 150 : Soos_38
- Track 151 : DonTron_42
- Track 152 : Evaa_10

• Track 153 : Wooper_11
• Track 154 : JellyBelly_9
• Track 155 : AksarBAT_9
• Track 156 : Shatter_9, Fresco_9, Axumite_9
• Track 157 : TraderJ_11
• Track 158 : CaiB_11
• Track 159 : Ligma_9
• Track 160 : Yago84_8
• Track 161 : Blackpen_11, FelixTres_11
• Track 162 : MakoManhole_11, CloverMinnie_11
• Track 163 : NHagos_9
• Track 164 : Coco2012_9
• Track 165 : Sisko_8, AnClar_8
• Track 166 : Coldpizza_11
• Track 167 : LittleMunchkin_10
• Track 168 : CharlottesWeb_9
• Track 169 : BiggityBass_8
• Track 170 : BobRoss2024_8
• Track 171 : Mariokart_9
• Track 172 : Yeshua_11
• Track 173 : Sour_12
• Track 174 : MossRose_11
• Track 175 : AnarQue_11
• Track 176 : Tonitrus_27
• Track 177 : Pine5_12
• Track 178 : TPA2_18

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

The start number called the most often in the published annotations is 30, it was called in 464 of the 478 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 39HC_08, 40BC_08, ABU_9, Abinghost_12, AbsoluteMadLad_9, Adriana_9, Aelin_9, Ahwei_9, Akoma_12, AksarBAT_9, AlanGrant_11, Allegro_13, AltPhacts_9, Altwerkus_9, Amo99_43, AnClar_8, AnarQue_11, Anderson_9, Andre_9, AngelCake_9, Antihero_9, Antonia_9, Aonishiki_9, Apex_9, Apizium_9, Arbiter_13, Ares_13, Ashraf_9, Athena_13, Audrey_12, Austelle_10, Axumite_9, Azuria_9, Badfish_9, Baee_11, Baloo_12, Bananafish_13, Banjo_9, Basato_10, BatteryCK_9, Beaglebox_9, Ben11_11, Bernardo_12, BiggityBass_8, BirdsNest_13, Bishoperium_9, BlackStallion_9, Blackpen_11, BlacksBerry_9, Blocker23_13, BlueHusk_9, Bluephacebaby_9, BobRoss2024_8, BobbyK_10, Boehler_9, BoogieWoogie_9, Boyle_13, Briakila_12, Brilliant_9, BrownCNA_11, Brownie5_13, Buckeye_9, Burr_9, CRB2_12, CaiB_11, Calamitous_13, CamL_9, CampRoach_9, Cannibal_9, Carthage_9, Casbah_11, Caspiboi_9, ChaChing_12, Chaelin_9, Chah_9, Chalmers_12, Chandler_12, Charles1_9, CharlieGBrown_9, CheetO_9, Chentzyk_11, Cher_9, Childish_9, Chipette_10, Chorkpop_9, ChrisnMich_9, Chuni_9, Chunky_9, Chute_9, Clawz_42, CloverMinnie_11, Cobra_9, Coco2012_9, Coffee_13, Colbert_9, ColdSoup_43, Coldpizza_11, Coletti_9, Compostia_12, Cooper_10, Cornbread_9, Cornobble_9, Corofin_12, Cosmolli16_9, Craff_9,

Crownjwl_10, DaddyDaniels_9, Daffy_9, Daisy_12, Daka_9, Dati_9, Deenasa_12, DelRivs_9, Derpp_9, Devonte_12, Dice_9, Dingo_9, Dione_9, DirtJuice_9, Doddsville_9, DoesntMatter_9, DolOn_11, DonSanchon_9, DonTron_42, Donny_11, DuchessDung_9, Duggie_9, Durga_9, Eaglehorse_13, EastView9101_11, ElvisPhasley_9, EmGer13_9, Emiris_9, EmpTee_9, Epah_9, Eremos_9, Etaye_9, Eugenia_9, Evaa_10, Fang_9, Faze9_13, FelixTres_11, Flake_9, FleetyMac_9, FluffyNinja_9, ForDig_8, Fortunato_10, Fozzie_9, Frankicide_9, Frederick_10, FremontTroll_9, FrenchFry_13, Fresco_9, Freya_9, FriarPreacher_9, Fringe_9, FugateOSU_9, Funsized_15, Gadjet_13, Gareth_9, GeneCoco_9, Gervas_12, GinPorsche_9, Giraffe_9, Glass_13, GlenHope_13, Glubnar_12, Godines_13, Gophee_9, Grand2040_9, GreenChile_10, Grumio_42, Gwennie1_9, Gwilliam_9, Gyarad_009, HSavage_9, Haimas_9, Haleema_9, Halfpint_11, Hally898_9, Hamish_9, Hangman_10, Hartsy_9, HarveySr_12, Harvey_9, Hashim76_14, Heath_10, Heathcliff_12, Hedgerow_13, Hekos_9, Held_9, HenryJackson_9, Hertubise_9, Hetaeria_9, HighStump_9, Hocus_9, HogWash_9, Holeinone_13, Horchata_9, Hosp_06, Hydro_10, ImtiyazSitla_9, Imvubu_6, Inchworm_9, Indlovu_10, Inverness_9, Iridessa_9, Iridoclysis_9, IsaacEli_9, ItsyBitsy1_13, JAMaL_9, JDog_9, JacAttac_9, JaguarMi_11, JakeO_9, JangoPhett_9, JellyBelly_9, Jesabah_9, Jillium_9, Jiminy_9, Jiraiya_9, Jolie1_08, Jollymon_42, JoyceMaria_10, KLucky39_9, Kahve_9, Kailash_9, Kaleb_13, Kamiyu_12, KarasumaRum_12, Katniss_9, KayaCho_8, Keitherie_9, Khan1_9, Kheth_13, Kikipoo_9, Kimbrough_9, KingTut_9, KingVeVeVe_9, KingstonB_40, Kiwot_9, KlimbOn_9, Kloppinator_9, Knocker_15, Kolhan_13, Kronus_11, Kwadwo_9, Kwksand96_9, Labeouficaum_9, Lambano_9, Lars_13, LasagnaCat_9, Lasso_9, Laurie_13, LeeLot_9, Lego3393_9, Legolas_9, Lehmann_10, LeiMonet_9, LemonSlice_9, Lephleur_13, LestyG_12, LilMcDreamy_11, LilSmirk_13, LittleDigger_9, LittleMinkey_15, LittleMunchkin_10, LizLemon_13, Lolalove_10, Longacauda_9, Lopsy_9, LostAndPhound_9, LuckyMarjie_9, Lulumae_9, Lulwa_9, Lumine_9, MRabcd_9, Mag7_9, Magic8_9, Magpie_10, Makar_43, MakoManhole_11, Mana_9, Manad_9, Mariokart_9, Marley1013_12, Marlia_12, Maru_9, Maskar_9, MasterPo_13, Matalotodo_9, Mcshane_9, Mecca_9, Megamind20_10, Megatron_9, Melc17_9, MelsMeow_9, Mesh1_9, Mesmerelda_9, MichaelPhcott_9, Mikota_9, MiniBoss_9, MitKao_9, Mithril_10, MmasiCarm_12, Morgushi_9, Mortcellus_11, Morty007_12, Morty_9, Mosaic_9, MossRose_11, MrPhizzler_9, Mudslide_10, Mulan_9, Mulaychimus_12, Murdoc_9, Mutante_9, Mysterious_11, NHagos_9, Nacho_009, Nanao_9, Nangang_11, Nathan_9, Nehemiah_10, Nehme_9, Neos5_12, Newman_9, Nicole21_9, Nigel_8, Nova1_9, Nozo_12, Numberten_9, Nyala_9, OSmaximus_9, Obutu_12, Olak_9, Oline_9, Olive_9, OliverWalter_9, Olivio_11, Omniscient_9, Oosterbaan_9, Opia_13, OrangeOswald_12, Orfeu_9, Orion_9, Orwigg_9, PG1_9, Pacifista_9, PallasAthena_9, PenguinLover67_13, Phaedrus_11, Phamished_9, Phantasmagoria_13, Phareon_9, PhatCats2014_9, PhatLouie_9, Phayeta_12, Phelemich_11, PhenghisKhan_9, Pherdinand_9, Phergie_9, Philly_11, Phipps_9, Phleuron_9, Phlyer_12, PhrankReynolds_9, PhrodoBaggins_9, Phunky_9, Piglet_009, PinheadLarry_9, Pipefish_12, Pipsqueak_9, Placalicious_9, Plata_9, Plmatters_9, Podrick_9, Pops_9, Poster_9, Potter_9, Prickles_9, PrinceCharming_13, Prince_10, ProfessorX_9, Puhltonio_9, Purplicious_40, QueenBeane_9, QueenPie_10, Quesadilla_12, Quisquiliae_9, Qyrzula_13, RagingRooster_12, RawrgerThat_10, Reccee_11, RedMaple_9, RedRaider89_10, Renkei_9, Rhinoforte_13, Rich_11, Ricotta_9, Riggan_9, Rimu_9, Rinkes_14, Rita130_11, Rita1961_12, Riverton_9, Robyn_9, Roliet_9, RomaT_12, Roscoe_10, Rosebush_13, Roy17_9, SDcharge11_9, Sabella_13, Saguaro_12, Salazzle_9, SallyH_10, Samaymay_9, SassyCat97_9, Schadenfreude_9, Schueller_9, Scoot17C_9, Scrick_9, Selr12_9, Septica_9, Serendipitous_11, Serendipity_9, Serpentine_009,

ShadowBud_9, Shatter_9, Sheila_9, Shenandoah_12, ShiVal_9, Sigman_9, Simielle_9, SirBeauregard_9, SirJeffery_11, Sisko_8, Skippy_9, Slatt_9, SlippinJimmy_12, Soile_9, Solosis_9, Soos_38, Sophia_9, Soto_9, Sour_12, Spartan300_9, Squid_9, Squiggle_9, Stillion_41, Sting_41, Stinger_8, StinkyVeggy_12, Struggle_9, Suffolk_9, Suigeneris_11, Surely_9, SwainyDoc_12, Swiphy_9, SynergyX_12, TA17A_13, TallGrassMM_9, Telesworld_9, Thonko_8, Thora_9, ThreeOh3D2_9, Thunderbird_9, Timmi_9, Tinciduntsolum_14, TinyTerror_12, TomBombadil_9, Tomlarah_9, Toni_9, TooFast2Furius_10, Tooj_9, TraderJ_11, Tres_13, True_9, Trypo_9, Tydolla_12, TyrionL_9, UAch1_9, UncleHowie_9, Usavi_9, Vaishali24_9, Valjean_9, Vaticameos_9, Vectra_9, Veritas_9, Vic9_00013, VioletZ_10, Virapocalypse_9, Virgeve_9, Vista_9, Vivaldi_9, Vortex_9, Waleliano_10, Wallhey_9, Waterdiva_9, Weher20_9, West99_13, Windsor_9, Wooper_11, Xavier_9, Xincheng_10, Yahalom_12, Yeshua_11, Yinz_12, Yoshand_9, YouGoGlencoco_9, Zaider_10, Zelda_9, Zemanar_11, Zenteno07_14, Zonia_9,

Genes that have the "Most Annotated" start but do not call it:
• Acadian_11, Aleia_10, CharlottesWeb_9, DigitDog_11, Fanaw_10, Happabalu_10, Jackstina_11, Jbug01_10, Karn_9, Larson_11, Ligma_9, Minnow_8, NiaNia_10, OneBrain_10, Pinkman_9, Reprobate_11, Shenyu_11, SilverBell_10, Swish_9, TPA2_18, Taraxa_10, Triad_10, Vincenzo_11, Yago84_8,

Genes that do not have the "Most Annotated" start:
• Caterpie_7, Dori_8, JohnLord_8, Mao1_7, Mask_8, Pine5_12, Sejanus_8, Tonitrus_27,

Summary by start number:

Start 2:
• Found in 6 of 548 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 478
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Caterpie_7 (AD), Dori_8 (AD), JohnLord_8 (AD),

Start 3:
• Found in 6 of 548 (1.1%) of genes in pham
• Manual Annotations of this start: 3 of 478
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Mao1_7 (AD), Mask_8 (AD), Sejanus_8 (AD),

Start 26:
• Found in 1 of 548 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 478
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tonitrus_27 (singleton),

Start 27:
• Found in 1 of 548 (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_18 (singleton),

Start 28:
• Found in 6 of 548 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 478
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Vincenzo_11 (B4),

Start 29:
• Found in 19 of 548 (3.5%) of genes in pham
• Manual Annotations of this start: 2 of 478
• Called 15.8% of time when present
• Phage (with cluster) where this start called: Acadian_11 (B5), Pine5_12 (singleton), Reprobate_11 (B5),

Start 30:
• Found in 540 of 548 (98.5%) of genes in pham
• Manual Annotations of this start: 464 of 478
• Called 95.6% of time when present
• Phage (with cluster) where this start called: 39HC_08 (B6), 40BC_08 (B6), ABU_9 (B1), Abinghost_12 (B3), AbsoluteMadLad_9 (B1), Adriana_9 (B1), Aelin_9 (B1), Ahwei_9 (B4), Akoma_12 (B3), AksarBAT_9 (DR), AlanGrant_11 (B4), Allegro_13 (B2), AltPhacts_9 (B1), Altwerkus_9 (B1), Amo99_43 (CP), AnClar_8 (DR), AnarQue_11 (DR), Anderson_9 (B1), Andre_9 (B1), AngelCake_9 (B1), Antihero_9 (B4), Antonia_9 (B1), Aonishiki_9 (B1), Apex_9 (B4), Apizium_9 (B1), Arbiter_13 (B2), Ares_13 (B2), Ashraf_9 (B1), Athena_13 (B3), Audrey_12 (B3), Austelle_10 (B4), Axumite_9 (DR), Azuria_9 (B1), Badfish_9 (B1), Baee_11 (B5), Baloo_12 (B3), Bananafish_13 (B2), Banjo_9 (B1), Basato_10 (B1), BatteryCK_9 (B1), Beaglebox_9 (B1), Ben11_11 (B3), Bernardo_12 (B3), BiggityBass_8 (DR), BirdsNest_13 (B13), Bishoperium_9 (B1), BlackStallion_9 (B1), Blackpen_11 (DR), BlacksBerry_9 (B1), Blocker23_13 (B2), BlueHusk_9 (B1), Bluephacebaby_9 (B1), BobRoss2024_8 (DR), BobbyK_10 (B4), Boehler_9 (B1), BoogieWoogie_9 (B1), Boyle_13 (B2), Briakila_12 (B3), Brilliant_9 (B1), BrownCNA_11 (B4), Brownie5_13 (B2), Buckeye_9 (B1), Burr_9 (B1), CRB2_12 (B9), CaiB_11 (DR), Calamitous_13 (B2), CamL_9 (B1), CampRoach_9 (B1), Cannibal_9 (B1), Carthage_9 (B1), Casbah_11 (B3), Caspiboi_9 (B1), ChaChing_12 (B3), Chaelin_9 (B1), Chah_9 (B1), Chalmers_12 (B3), Chandler_12 (B3), Charles1_9 (B1), CharlieGBrown_9 (B1), CheetO_9 (B1), Chentzyk_11 (B3), Cher_9 (B1), Childish_9 (B1), Chipette_10 (B1), Chorkpop_9 (B1), ChrisnMich_9 (B4), Chuni_9 (B1), Chunky_9 (B1), Chute_9 (B1), Clawz_42 (CP), CloverMinnie_11 (DR), Cobra_9 (B1), Coco2012_9 (DR), Coffee_13 (B2), Colbert_9 (B1), ColdSoup_43 (CP), Coldpizza_11 (DR), Coletti_9 (B1), Compostia_12 (B3), Cooper_10 (B4), Cornbread_9 (B1), Cornobble_9 (B1), Corofin_12 (B3), Cosmolli16_9 (B1), Craff_9 (B1), Crownjwl_10 (B1), DaddyDaniels_9 (B1), Daffy_9 (B1), Daisy_12 (B3), Daka_9 (B1), Dati_9 (B1), Deenasa_12 (B3), DelRivs_9 (B1), Derpp_9 (B1), Devonte_12 (B3), Dice_9 (B1), Dingo_9 (B1), Dione_9 (B1), DirtJuice_9 (B1), Doddsville_9 (B1), DoesntMatter_9 (B1), DolOn_11 (B1), DonSanchon_9 (B1), DonTron_42 (CP), Donny_11 (B5), DuchessDung_9 (B1), Duggie_9 (B1), Durga_9 (B1), Eaglehorse_13 (B2), EastView9101_11 (B5), ElvisPhasley_9 (B1), EmGer13_9 (B1), Emiris_9 (B1), EmpTee_9 (B1), Epah_9 (B4), Eremos_9 (B1), Etaye_9 (B1), Eugenia_9 (B1), Evaa_10 (DR), Fang_9 (B1), Faze9_13 (B2), FelixTres_11 (DR), Flake_9 (B1), FleetyMac_9 (B1), FluffyNinja_9 (B1), ForDig_8 (B6), Fortunato_10 (B4), Fozzie_9 (B1), Frankicide_9 (B1), Frederick_10 (B4), FremontTroll_9 (B1), FrenchFry_13 (B2), Fresco_9 (DR), Freya_9 (B1), FriarPreacher_9 (B1), Fringe_9 (B1), FugateOSU_9 (B1), Funsized_15 (B9),

Gadjet_13 (B3), Gareth_9 (B1), GeneCoco_9 (B1), Gervas_12 (B3), GinPorsche_9 (B4), Giraffe_9 (B1), Glass_13 (B2), GlenHope_13 (B3), Glubnar_12 (B3), Godines_13 (B2), Gophee_9 (B1), Grand2040_9 (B1), GreenChile_10 (B1), Grumio_42 (CP), Gwennie1_9 (B1), Gwilliam_9 (B1), Gyarad_009 (B1), HSavage_9 (B1), Haimas_9 (B1), Haleema_9 (B1), Halfpint_11 (B3), Hally898_9 (B4), Hamish_9 (B1), Hangman_10 (B4), Hartsy_9 (B1), HarveySr_12 (B3), Harvey_9 (B1), Hashim76_14 (B13), Heath_10 (B4), Heathcliff_12 (B3), Hedgerow_13 (B2), Hekos_9 (B1), Held_9 (B1), HenryJackson_9 (B1), Hertubise_9 (B1), Hetaeria_9 (B1), HighStump_9 (B1), Hocus_9 (B1), HogWash_9 (B1), Holeinone_13 (B2), Horchata_9 (B1), Hosp_06 (B6), Hydro_10 (B4), ImtiyazSitla_9 (B1), Imvubu_6 (B10), Inchworm_9 (B1), Indlovu_10 (B11), Inverness_9 (B1), Iridessa_9 (B1), Iridoclysis_9 (B1), IsaacEli_9 (B1), ItsyBitsy1_13 (B2), JAMaL_9 (B4), JDog_9 (B1), JacAttac_9 (B1), JaguarMi_11 (B4), JakeO_9 (B1), JangoPhett_9 (B1), JellyBelly_9 (DR), Jesabah_9 (B1), Jillium_9 (B1), Jiminy_9 (B1), Jiraiya_9 (B1), Jolie1_08 (B6), Jollymon_42 (CP), JoyceMaria_10 (B4), KLucky39_9 (B1), Kahve_9 (B1), Kailash_9 (B1), Kaleb_13 (B2), Kamiyu_12 (B3), KarasumaRum_12 (B5), Katniss_9 (B1), KayaCho_8 (B6), Keitherie_9 (B1), Khan1_9 (B1), Kheth_13 (B2), Kikipoo_9 (B1), Kimbrough_9 (B1), KingTut_9 (B1), KingVeVeVe_9 (B1), KingstonB_40 (CP), Kiwot_9 (B1), KlimbOn_9 (B1), Kloppinator_9 (B1), Knocker_15 (B9), Kolhan_13 (B2), Kronus_11 (B3), Kwadwo_9 (B1), Kwksand96_9 (B1), Labeouficaum_9 (B1), Lambano_9 (B4), Lars_13 (B2), LasagnaCat_9 (B1), Lasso_9 (B1), Laurie_13 (B2), LeeLot_9 (B1), Lego3393_9 (B1), Legolas_9 (B1), Lehmann_10 (B1), LeiMonet_9 (B1), LemonSlice_9 (B1), Lephleur_13 (B2), LestyG_12 (B3), LilMcDreamy_11 (B12), LilSmirk_13 (B2), LittleDigger_9 (B4), LittleMinkey_15 (B13), LittleMunchkin_10 (DR), LizLemon_13 (B2), Lolalove_10 (B4), Longacauda_9 (B1), Lopsy_9 (B1), LostAndPhound_9 (B1), LuckyMarjie_9 (B1), Lulumae_9 (B1), Lulwa_9 (B1), Lumine_9 (B1), MRabcd_9 (B1), Mag7_9 (B1), Magic8_9 (B1), Magpie_10 (B4), Makar_43 (CP), MakoManhole_11 (DR), Mana_9 (B1), Manad_9 (B1), Mariokart_9 (DR), Marley1013_12 (B3), Marlia_12 (B3), Maru_9 (B1), Maskar_9 (B1), MasterPo_13 (B2), Matalotodo_9 (B1), Mcshane_9 (B1), Mecca_9 (B1), Megamind20_10 (B1), Megatron_9 (B1), Melc17_9 (B1), MelsMeow_9 (B1), Mesh1_9 (B1), Mesmerelda_9 (B1), MichaelPhcott_9 (B1), Mikota_9 (B1), MiniBoss_9 (B1), MitKao_9 (B1), Mithril_10 (B4), MmasiCarm_12 (B3), Morgushi_9 (B1), Mortcellus_11 (B3), Morty007_12 (B3), Morty_9 (B1), Mosaic_9 (B1), MossRose_11 (DR), MrPhizzler_9 (B1), Mudslide_10 (B4), Mulan_9 (B1), Mulaychimus_12 (B3), Murdoc_9 (B1), Mutante_9 (B1), Mysterious_11 (B5), NHagos_9 (DR), Nacho_009 (B1), Nanao_9 (B4), Nangang_11 (B5), Nathan_9 (B1), Nehemiah_10 (B5), Nehme_9 (B1), Neos5_12 (B3), Newman_9 (B1), Nicole21_9 (B1), Nigel_8 (B4), Nova1_9 (B1), Nozo_12 (B3), Numberten_9 (B1), Nyala_9 (B1), OSmaximus_9 (B1), Obutu_12 (B3), Olak_9 (B1), Oline_9 (B1), Olive_9 (B1), OliverWalter_9 (B1), Olivio_11 (B3), Omniscient_9 (B1), Oosterbaan_9 (B1), Opia_13 (B2), OrangeOswald_12 (B3), Orfeu_9 (B1), Orion_9 (B1), Orwigg_9 (B1), PG1_9 (B1), Pacifista_9 (B1), PallasAthena_9 (B1), PenguinLover67_13 (B9), Phaedrus_11 (B3), Phamished_9 (B1), Phantasmagoria_13 (B2), Phareon_9 (B1), PhatCats2014_9 (B1), PhatLouie_9 (B1), Phayeta_12 (B3), Phelemich_11 (B5), PhenghisKhan_9 (B1), Pherdinand_9 (B1), Phergie_9 (B1), Philly_11 (B3), Phipps_9 (B1), Phleuron_9 (B1), Phlyer_12 (B3), PhrankReynolds_9 (B1), PhrodoBaggins_9 (B1), Phunky_9 (B1), Piglet_009 (B1), PinheadLarry_9 (B1), Pipefish_12 (B3), Pipsqueak_9 (B1), Placalicious_9 (B1), Plata_9 (B1), Plmatters_9 (B1), Podrick_9 (B1), Pops_9 (B1), Poster_9 (B4), Potter_9 (B1), Prickles_9 (B1), PrinceCharming_13 (B2), Prince_10 (B4), ProfessorX_9 (B1), Puhltonio_9 (B1), Purplicious_40 (CP), QueenBeane_9 (B1), QueenPie_10 (B4), Quesadilla_12 (B9), Quisquiliae_9 (B1), Qyrzula_13 (B2), RagingRooster_12 (B3), RawrgerThat_10 (B4), Reccee_11 (B5), RedMaple_9 (B1), RedRaider89_10 (B1),

Renkei_9 (B4), Rhinoforte_13 (B2), Rich_11 (B5), Ricotta_9 (B1), Riggan_9 (B1), Rimu_9 (B1), Rinkes_14 (B9), Rita130_11 (B5), Rita1961_12 (B3), Riverton_9 (B1), Robyn_9 (B1), Roliet_9 (B1), RomaT_12 (B3), Roscoe_10 (B1), Rosebush_13 (B2), Roy17_9 (B1), SDcharge11_9 (B1), Sabella_13 (B2), Saguaro_12 (B7), Salazzle_9 (B1), SallyH_10 (B1), Samaymay_9 (B1), SassyCat97_9 (B1), Schadenfreude_9 (B1), Schueller_9 (B1), Scoot17C_9 (B1), Scrick_9 (B1), Selr12_9 (B1), Septica_9 (B1), Serendipitous_11 (B5), Serendipity_9 (B1), Serpentine_009 (B1), ShadowBud_9 (B1), Shatter_9 (DR), Sheila_9 (B1), Shenandoah_12 (B3), ShiVal_9 (B1), Sigman_9 (B1), Simielle_9 (B1), SirBeauregard_9 (B1), SirJeffery_11 (B5), Sisko_8 (DR), Skippy_9 (B1), Slatt_9 (B1), SlippinJimmy_12 (B3), Soile_9 (B1), Solosis_9 (B1), Soos_38 (CP), Sophia_9 (B1), Soto_9 (B1), Sour_12 (DR), Spartan300_9 (B1), Squid_9 (B1), Squiggle_9 (B1), Stillion_41 (CP), Sting_41 (CP), Stinger_8 (B4), StinkyVeggy_12 (B5), Struggle_9 (B1), Suffolk_9 (B1), Suigeneris_11 (B5), Surely_9 (B1), SwainyDoc_12 (B3), Swiphy_9 (B1), SynergyX_12 (B3), TA17A_13 (B2), TallGrassMM_9 (B1), Telesworld_9 (B1), Thonko_8 (B8), Thora_9 (B1), ThreeOh3D2_9 (B1), Thunderbird_9 (B1), Timmi_9 (B1), Tinciduntsolum_14 (B2), TinyTerror_12 (B3), TomBombadil_9 (B1), Tomlarah_9 (B1), Toni_9 (B1), TooFast2Furius_10 (B1), Tooj_9 (B1), TraderJ_11 (DR), Tres_13 (B2), True_9 (B1), Trypo_9 (B1), Tydolla_12 (B3), TyrionL_9 (B1), UAch1_9 (B1), UncleHowie_9 (B1), Usavi_9 (B1), Vaishali24_9 (B1), Valjean_9 (B1), Vaticameos_9 (B1), Vectra_9 (B1), Veritas_9 (B1), Vic9_00013 (B2), VioletZ_10 (B4), Virapocalypse_9 (B1), Virgeve_9 (B1), Vista_9 (B1), Vivaldi_9 (B1), Vortex_9 (B1), Waleliano_10 (B4), Wallhey_9 (B1), Waterdiva_9 (B1), Weher20_9 (B1), West99_13 (B2), Windsor_9 (B1), Wooper_11 (DR), Xavier_9 (B1), Xincheng_10 (B4), Yahalom_12 (B3), Yeshua_11 (DR), Yinz_12 (B3), Yoshand_9 (B1), YouGoGlencoco_9 (B1), Zaider_10 (B1), Zelda_9 (B1), Zemanar_11 (B4), Zenteno07_14 (B13), Zonia_9 (B1),

Start 31:
• Found in 9 of 548 (1.6%) of genes in pham
• Manual Annotations of this start: 1 of 478
• Called 11.1% of time when present
• Phage (with cluster) where this start called: CharlottesWeb_9 (DR),

Start 35:
• Found in 14 of 548 (2.6%) of genes in pham
• Manual Annotations of this start: 1 of 478
• Called 7.1% of time when present
• Phage (with cluster) where this start called: Ligma_9 (DR),

Start 49:
• Found in 65 of 548 (11.9%) of genes in pham
• Manual Annotations of this start: 2 of 478
• Called 3.1% of time when present
• Phage (with cluster) where this start called: Jackstina_11 (B3), Yago84_8 (DR),

Start 50:
• Found in 379 of 548 (69.2%) of genes in pham
• Manual Annotations of this start: 1 of 478
• Called 0.3% of time when present
• Phage (with cluster) where this start called: Swish_9 (B1),

Start 65:
• Found in 391 of 548 (71.4%) of genes in pham

• No Manual Annotations of this start.
• Called 0.3% of time when present
• Phage (with cluster) where this start called: Karn_9 (B1),

Start 113:
• Found in 322 of 548 (58.8%) of genes in pham
• No Manual Annotations of this start.
• Called 0.6% of time when present
• Phage (with cluster) where this start called: Happabalu_10 (B1), Triad_10 (B1),

Start 114:
• Found in 323 of 548 (58.9%) of genes in pham
• Manual Annotations of this start: 1 of 478
• Called 1.5% of time when present
• Phage (with cluster) where this start called: Aleia_10 (B1), Larson_11 (B1), OneBrain_10 (B1), Pinkman_9 (B1), SilverBell_10 (B1),

Start 122:
• Found in 357 of 548 (65.1%) of genes in pham
• No Manual Annotations of this start.
• Called 0.8% of time when present
• Phage (with cluster) where this start called: Jbug01_10 (B1), NiaNia_10 (B1), Taraxa_10 (B1),

Start 124:
• Found in 41 of 548 (7.5%) of genes in pham
• No Manual Annotations of this start.
• Called 2.4% of time when present
• Phage (with cluster) where this start called: Shenyu_11 (B5),

Start 135:
• Found in 17 of 548 (3.1%) of genes in pham
• No Manual Annotations of this start.
• Called 5.9% of time when present
• Phage (with cluster) where this start called: DigitDog_11 (B5),

Start 143:
• Found in 94 of 548 (17.2%) of genes in pham
• No Manual Annotations of this start.
• Called 2.1% of time when present
• Phage (with cluster) where this start called: Fanaw_10 (B4), Minnow_8 (B6),

Summary by clusters:

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

Info for manual annotations of cluster AD:
•Start number 2 was manually annotated 1 time for cluster AD.
•Start number 3 was manually annotated 3 times for cluster AD.

Info for manual annotations of cluster B1:
•Start number 30 was manually annotated 295 times for cluster B1.

•Start number 50 was manually annotated 1 time for cluster B1.
•Start number 114 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B10:
•Start number 30 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:
•Start number 30 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 30 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 30 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B2:
•Start number 30 was manually annotated 37 times for cluster B2.

Info for manual annotations of cluster B3:
•Start number 30 was manually annotated 52 times for cluster B3.
•Start number 49 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster B4:
•Start number 28 was manually annotated 1 time for cluster B4.
•Start number 30 was manually annotated 28 times for cluster B4.

Info for manual annotations of cluster B5:
•Start number 29 was manually annotated 2 times for cluster B5.
•Start number 30 was manually annotated 9 times for cluster B5.

Info for manual annotations of cluster B6:
•Start number 30 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B7:
•Start number 30 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 30 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 30 was manually annotated 6 times for cluster B9.

Info for manual annotations of cluster CP:
•Start number 30 was manually annotated 7 times for cluster CP.

Info for manual annotations of cluster DR:
•Start number 30 was manually annotated 20 times for cluster DR.
•Start number 31 was manually annotated 1 time for cluster DR.
•Start number 35 was manually annotated 1 time for cluster DR.
•Start number 49 was manually annotated 1 time for cluster DR.

Gene Information:

Gene: 39HC_08 Start: 7124, Stop: 9544, Start Num: 30
Candidate Starts for 39HC_08:
(Start: 30 @7124 has 464 MA's), (60, 7247), (63, 7262), (65, 7283), (76, 7325), (89, 7358), (91, 7364), (115, 7439), (138, 7490), (140, 7502), (152, 7553), (155, 7574), (160, 7595), (164, 7619), (178, 7667), (186, 7703), (192, 7736), (200, 7769), (202, 7784), (203, 7787), (228, 8033), (231, 8072), (243, 8225), (264, 8237), (267, 8258), (271, 8294), (276, 8321), (280, 8345), (285, 8375), (294, 8447), (302, 8498), (306, 8537), (308, 8543), (318, 8594), (323, 8618), (329, 8651), (330, 8678), (333, 8714), (335, 8723), (340, 8756), (346, 8822), (351, 8900), (352, 8903), (357, 8954), (368, 9044), (377, 9125), (380, 9161), (391, 9257), (393, 9290), (395, 9299), (408, 9380), (412, 9392), (439, 9512),

Gene: 40BC_08 Start: 7124, Stop: 9544, Start Num: 30
Candidate Starts for 40BC_08:
(Start: 30 @7124 has 464 MA's), (60, 7247), (63, 7262), (65, 7283), (76, 7325), (89, 7358), (91, 7364), (115, 7439), (138, 7490), (140, 7502), (152, 7553), (155, 7574), (160, 7595), (164, 7619), (178, 7667), (186, 7703), (192, 7736), (200, 7769), (202, 7784), (203, 7787), (228, 8033), (231, 8072), (243, 8225), (264, 8237), (267, 8258), (271, 8294), (276, 8321), (280, 8345), (285, 8375), (294, 8447), (302, 8498), (306, 8537), (308, 8543), (318, 8594), (323, 8618), (329, 8651), (330, 8678), (333, 8714), (335, 8723), (340, 8756), (346, 8822), (351, 8900), (352, 8903), (357, 8954), (368, 9044), (377, 9125), (380, 9161), (391, 9257), (393, 9290), (395, 9299), (408, 9380), (412, 9392), (439, 9512),

Gene: ABU_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for ABU_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Abinghost_12 Start: 8208, Stop: 10640, Start Num: 30
Candidate Starts for Abinghost_12:
(Start: 30 @8208 has 464 MA's), (Start: 49 @8307 has 2 MA's), (Start: 50 @8310 has 1 MA's), (62, 8355), (65, 8379), (66, 8382), (77, 8427), (92, 8466), (105, 8517), (118, 8547), (132, 8577), (140, 8604), (142, 8610), (155, 8676), (183, 8760), (185, 8766), (186, 8775), (187, 8778), (190, 8799), (202, 8856), (220, 9012), (223, 9072), (243, 9294), (271, 9390), (280, 9441), (288, 9492), (310, 9654), (320, 9711), (321, 9714), (323, 9723), (334, 9825), (346, 9918), (352, 9999), (380, 10257), (386, 10317), (389, 10332), (393, 10386), (405, 10470), (407, 10482), (425, 10551),

Gene: AbsoluteMadLad_9 Start: 6356, Stop: 8929, Start Num: 30
Candidate Starts for AbsoluteMadLad_9:
(22, 6227), (Start: 30 @6356 has 464 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (89, 6593), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (167, 6974), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (388, 8594), (395, 8663), (402, 8729),

Gene: Acadian_11 Start: 8555, Stop: 11068, Start Num: 29
Candidate Starts for Acadian_11:
(Start: 29 @8555 has 2 MA's), (Start: 30 @8558 has 464 MA's), (41, 8612), (45, 8636), (53, 8669), (61, 8690), (63, 8705), (112, 8879), (124, 8894), (129, 8906), (135, 8927), (143, 8957), (160, 9041), (164, 9065), (185, 9155), (186, 9164), (187, 9167), (190, 9188), (243, 9665), (266, 9794), (270, 9812), (271, 9833), (280, 9884), (281, 9890), (292, 9977), (317, 10136), (320, 10154), (329, 10199), (340, 10304), (341, 10319), (346, 10361), (352, 10442), (361, 10523), (364, 10565), (371, 10622), (372, 10628), (377, 10664), (380, 10700), (386, 10760), (393, 10829), (410, 10916),

Gene: Adriana_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Adriana_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Aelin_9 Start: 6360, Stop: 8930, Start Num: 30
Candidate Starts for Aelin_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Ahwei_9 Start: 7532, Stop: 10039, Start Num: 30
Candidate Starts for Ahwei_9:
(Start: 30 @7532 has 464 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Akoma_12 Start: 8208, Stop: 10640, Start Num: 30
Candidate Starts for Akoma_12:
(Start: 30 @8208 has 464 MA's), (Start: 49 @8307 has 2 MA's), (Start: 50 @8310 has 1 MA's), (62, 8355), (65, 8379), (66, 8382), (73, 8412), (77, 8427), (92, 8466), (105, 8517), (118, 8547), (132, 8577), (140, 8604), (142, 8610), (155, 8676), (185, 8766), (186, 8775), (187, 8778), (190, 8799), (202, 8856), (211, 8910), (220, 9012), (223, 9072), (226, 9099), (243, 9294), (271, 9390), (280, 9441), (288, 9492), (310, 9654), (321, 9714), (323, 9723), (334, 9825), (346, 9918), (352, 9999), (380, 10257), (386, 10317), (389, 10332), (393, 10386), (405, 10470), (407, 10482), (425, 10551),

Gene: AksarBAT_9 Start: 7095, Stop: 9509, Start Num: 30

Candidate Starts for AksarBAT_9:
(Start: 30 @7095 has 464 MA's), (36, 7125), (53, 7200), (77, 7302), (78, 7305), (84, 7320), (85, 7323), (90, 7341), (119, 7419), (149, 7527), (157, 7569), (166, 7614), (181, 7626), (182, 7632), (183, 7638), (187, 7656), (188, 7659), (195, 7695), (202, 7734), (216, 7842), (242, 8154), (263, 8229), (266, 8253), (267, 8256), (268, 8262), (271, 8292), (277, 8328), (280, 8343), (281, 8349), (284, 8364), (288, 8394), (292, 8427), (295, 8448), (306, 8535), (318, 8592), (320, 8604), (350, 8874), (351, 8889), (357, 8943), (368, 9033), (377, 9114), (381, 9156), (410, 9360), (423, 9414), (425, 9420),

Gene: AlanGrant_11 Start: 9357, Stop: 11855, Start Num: 30
Candidate Starts for AlanGrant_11:
(Start: 28 @9351 has 1 MA's), (Start: 30 @9357 has 464 MA's), (39, 9399), (63, 9522), (81, 9600), (89, 9618), (94, 9636), (95, 9645), (140, 9765), (145, 9783), (152, 9816), (155, 9837), (159, 9855), (160, 9858), (164, 9882), (167, 9897), (171, 9921), (172, 9927), (174, 9939), (180, 9960), (186, 9990), (202, 10071), (203, 10074), (222, 10254), (231, 10353), (243, 10488), (270, 10599), (271, 10620), (276, 10647), (279, 10668), (280, 10671), (292, 10755), (306, 10863), (317, 10914), (320, 10932), (328, 10974), (329, 10977), (330, 11004), (346, 11139), (351, 11217), (352, 11220), (357, 11271), (361, 11301), (377, 11442), (391, 11574), (392, 11595), (394, 11613), (395, 11616), (404, 11667), (410, 11694), (424, 11751),

Gene: Aleia_10 Start: 6737, Stop: 8947, Start Num: 114
Candidate Starts for Aleia_10:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Allegro_13 Start: 9617, Stop: 12064, Start Num: 30
Candidate Starts for Allegro_13:
(Start: 30 @9617 has 464 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: AltPhacts_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for AltPhacts_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (209, 7201), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (395, 8668), (402, 8734),

Gene: Altwerkus_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Altwerkus_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Amo99_43 Start: 20153, Stop: 22936, Start Num: 30
Candidate Starts for Amo99_43:
(21, 19991), (Start: 30 @20153 has 464 MA's), (32, 20162), (68, 20321), (82, 20357), (84, 20360), (93, 20381), (103, 20420), (160, 20585), (162, 20597), (164, 20609), (183, 20660), (187, 20678), (194, 20717), (225, 20981), (230, 21050), (235, 21107), (245, 21182), (274, 21257), (280, 21293), (296, 21416), (302, 21452), (312, 21518), (315, 21539), (320, 21596), (322, 21602), (327, 21626), (332, 21689), (344, 21788), (375, 22169), (376, 22172), (377, 22178), (383, 22259), (394, 22367), (401, 22436), (403, 22442), (413, 22481), (433, 22571), (445, 22658), (447, 22814), (448, 22835), (449, 22868), (450, 22901), (452, 22919),

Gene: AnClar_8 Start: 7436, Stop: 9841, Start Num: 30
Candidate Starts for AnClar_8:
(Start: 30 @7436 has 464 MA's), (Start: 35 @7454 has 1 MA's), (Start: 49 @7529 has 2 MA's), (53, 7541), (72, 7622), (91, 7679), (92, 7682), (94, 7691), (95, 7700), (101, 7712), (120, 7745), (133, 7784), (135, 7790), (138, 7805), (143, 7826), (147, 7844), (151, 7865), (155, 7889), (160, 7910), (185, 7973), (188, 7988), (216, 8171), (234, 8384), (242, 8483), (266, 8585), (268, 8594), (271, 8624), (277, 8660), (280, 8675), (284, 8696), (288, 8726), (291, 8756), (295, 8780), (306, 8867), (318, 8924), (341, 9101), (347, 9143), (352, 9221), (353, 9224), (357, 9272), (363, 9317), (368, 9362), (371, 9401), (374, 9428), (377, 9443), (389, 9554), (391, 9575), (396, 9626), (406, 9680), (415, 9704), (416, 9707), (422, 9743), (425, 9752),

Gene: AnarQue_11 Start: 8617, Stop: 11028, Start Num: 30
Candidate Starts for AnarQue_11:
(Start: 30 @8617 has 464 MA's), (41, 8665), (73, 8812), (129, 8959), (137, 8992), (138, 8998), (143, 9019), (160, 9103), (166, 9136), (182, 9151), (202, 9253), (224, 9466), (243, 9673), (253, 9700), (266, 9772), (267, 9775), (268, 9781), (271, 9811), (277, 9847), (280, 9862), (284, 9883), (287, 9907), (288, 9913), (292, 9946), (295, 9967), (318, 10111), (320, 10123), (348, 10351), (350, 10393), (357, 10462), (371, 10591), (377, 10633), (381, 10675), (410, 10879), (423, 10933),

Gene: Anderson_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Anderson_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Andre_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for Andre_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (89, 6598), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: AngelCake_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for AngelCake_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Antihero_9 Start: 7532, Stop: 10039, Start Num: 30
Candidate Starts for Antihero_9:
(Start: 30 @7532 has 464 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Antonia_9 Start: 6360, Stop: 8930, Start Num: 30
Candidate Starts for Antonia_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Aonishiki_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Aonishiki_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380,

8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Apex_9 Start: 8181, Stop: 10688, Start Num: 30
Candidate Starts for Apex_9:
(Start: 30 @8181 has 464 MA's), (39, 8223), (44, 8256), (63, 8346), (76, 8409), (81, 8424), (85, 8433), (89, 8442), (94, 8460), (95, 8469), (101, 8481), (122, 8532), (124, 8535), (143, 8598), (145, 8607), (152, 8640), (155, 8661), (156, 8664), (157, 8670), (159, 8679), (160, 8682), (164, 8706), (169, 8730), (171, 8745), (174, 8763), (176, 8769), (186, 8814), (192, 8847), (202, 8895), (203, 8898), (211, 8937), (243, 9312), (271, 9453), (276, 9480), (279, 9501), (280, 9504), (287, 9549), (290, 9573), (302, 9657), (317, 9747), (320, 9765), (328, 9807), (330, 9837), (335, 9882), (340, 9915), (341, 9930), (346, 9972), (348, 9993), (351, 10050), (352, 10053), (355, 10083), (357, 10104), (361, 10134), (363, 10149), (364, 10176), (371, 10233), (372, 10239), (377, 10275), (380, 10311), (386, 10371), (391, 10407), (394, 10446), (395, 10449), (410, 10530), (415, 10542), (426, 10593), (434, 10623), (436, 10644),

Gene: Apizium_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Apizium_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Arbiter_13 Start: 9707, Stop: 12154, Start Num: 30
Candidate Starts for Arbiter_13:
(Start: 30 @9707 has 464 MA's), (41, 9761), (54, 9821), (76, 9914), (78, 9920), (84, 9935), (91, 9956), (96, 9986), (116, 10067), (117, 10070), (120, 10079), (131, 10106), (137, 10133), (157, 10205), (160, 10217), (164, 10235), (167, 10241), (178, 10304), (190, 10349), (200, 10391), (205, 10421), (222, 10592), (223, 10613), (224, 10619), (231, 10691), (236, 10754), (241, 10832), (244, 10838), (266, 10889), (271, 10928), (275, 10949), (276, 10955), (280, 10979), (288, 11030), (289, 11033), (292, 11063), (300, 11120), (302, 11132), (303, 11147), (307, 11174), (314, 11216), (323, 11261), (324, 11264), (329, 11294), (333, 11357), (334, 11363), (335, 11366), (338, 11378), (348, 11474), (350, 11516), (357, 11585), (364, 11663), (377, 11762), (378, 11765), (379, 11792), (386, 11858), (389, 11873), (391, 11894), (394, 11933), (404, 11987), (410, 12014), (415, 12026), (427, 12074),

Gene: Ares_13 Start: 9617, Stop: 12064, Start Num: 30
Candidate Starts for Ares_13:
(Start: 30 @9617 has 464 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Ashraf_9 Start: 6357, Stop: 8927, Start Num: 30
Candidate Starts for Ashraf_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771),

(128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Athena_13 Start: 8971, Stop: 11403, Start Num: 30
Candidate Starts for Athena_13:
(Start: 30 @8971 has 464 MA's), (Start: 49 @9070 has 2 MA's), (Start: 50 @9073 has 1 MA's), (62, 9118), (65, 9142), (66, 9145), (77, 9190), (92, 9229), (105, 9280), (118, 9310), (132, 9340), (140, 9367), (142, 9373), (155, 9439), (185, 9529), (186, 9538), (187, 9541), (190, 9562), (202, 9619), (211, 9673), (220, 9775), (223, 9835), (226, 9862), (243, 10057), (271, 10153), (280, 10204), (288, 10255), (310, 10417), (320, 10474), (321, 10477), (323, 10486), (334, 10588), (346, 10681), (352, 10762), (380, 11020), (386, 11080), (389, 11095), (393, 11149), (405, 11233), (407, 11245), (425, 11314),

Gene: Audrey_12 Start: 8208, Stop: 10640, Start Num: 30
Candidate Starts for Audrey_12:
(Start: 30 @8208 has 464 MA's), (Start: 49 @8307 has 2 MA's), (Start: 50 @8310 has 1 MA's), (62, 8355), (65, 8379), (66, 8382), (77, 8427), (92, 8466), (105, 8517), (118, 8547), (132, 8577), (140, 8604), (142, 8610), (155, 8676), (183, 8760), (185, 8766), (186, 8775), (187, 8778), (190, 8799), (202, 8856), (220, 9012), (223, 9072), (243, 9294), (271, 9390), (280, 9441), (288, 9492), (310, 9654), (320, 9711), (321, 9714), (323, 9723), (334, 9825), (346, 9918), (352, 9999), (380, 10257), (386, 10317), (389, 10332), (393, 10386), (405, 10470), (407, 10482), (425, 10551),

Gene: Austelle_10 Start: 8637, Stop: 11144, Start Num: 30
Candidate Starts for Austelle_10:
(1, 7875), (5, 8109), (Start: 30 @8637 has 464 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (389, 10842), (391, 10863), (394, 10902), (395, 10905), (410, 10986), (415, 10998), (426, 11049), (434, 11079), (436, 11100),

Gene: Axumite_9 Start: 7131, Stop: 9533, Start Num: 30
Candidate Starts for Axumite_9:
(18, 6879), (25, 7101), (Start: 30 @7131 has 464 MA's), (Start: 31 @7134 has 1 MA's), (Start: 35 @7149 has 1 MA's), (47, 7218), (53, 7236), (58, 7248), (70, 7311), (72, 7317), (89, 7368), (91, 7374), (103, 7416), (120, 7440), (140, 7512), (154, 7581), (160, 7605), (185, 7668), (188, 7683), (190, 7701), (200, 7743), (216, 7866), (234, 8079), (242, 8178), (262, 8253), (266, 8277), (267, 8280), (268, 8286), (271, 8316), (277, 8352), (280, 8367), (284, 8388), (317, 8610), (318, 8616), (320, 8628), (329, 8673), (333, 8736), (341, 8793), (347, 8835), (351, 8910), (352, 8913), (360, 8988), (363, 9009), (368, 9057), (374, 9123), (377, 9138), (385, 9231), (389, 9249), (396, 9321), (410, 9384), (415, 9396), (425, 9444), (428, 9453), (442, 9522),

Gene: Azuria_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Azuria_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's),

(122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (388, 8597), (395, 8666), (402, 8732),

Gene: Badfish_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Badfish_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Baee_11 Start: 8567, Stop: 11074, Start Num: 30
Candidate Starts for Baee_11:
(7, 8078), (14, 8264), (Start: 29 @8564 has 2 MA's), (Start: 30 @8567 has 464 MA's), (45, 8645), (53, 8678), (112, 8888), (124, 8903), (143, 8966), (160, 9050), (161, 9062), (164, 9074), (177, 9131), (179, 9140), (185, 9164), (186, 9173), (187, 9176), (190, 9197), (211, 9302), (236, 9605), (243, 9674), (266, 9800), (269, 9812), (270, 9818), (271, 9839), (275, 9860), (280, 9890), (281, 9896), (292, 9983), (317, 10142), (320, 10160), (326, 10187), (329, 10205), (334, 10274), (340, 10310), (341, 10325), (345, 10358), (346, 10367), (352, 10448), (364, 10571), (371, 10628), (372, 10634), (380, 10706), (389, 10781), (392, 10823), (393, 10835), (410, 10922),

Gene: Baloo_12 Start: 8208, Stop: 10640, Start Num: 30
Candidate Starts for Baloo_12:
(Start: 30 @8208 has 464 MA's), (Start: 49 @8307 has 2 MA's), (Start: 50 @8310 has 1 MA's), (62, 8355), (65, 8379), (66, 8382), (73, 8412), (77, 8427), (92, 8466), (105, 8517), (118, 8547), (132, 8577), (140, 8604), (143, 8613), (155, 8676), (183, 8760), (185, 8766), (186, 8775), (187, 8778), (190, 8799), (202, 8856), (211, 8910), (220, 9012), (223, 9072), (243, 9294), (271, 9390), (280, 9441), (288, 9492), (310, 9654), (320, 9711), (321, 9714), (323, 9723), (334, 9825), (346, 9918), (352, 9999), (380, 10257), (386, 10317), (389, 10332), (393, 10386), (405, 10470), (407, 10482), (425, 10551),

Gene: Bananafish_13 Start: 9617, Stop: 12064, Start Num: 30
Candidate Starts for Bananafish_13:
(Start: 30 @9617 has 464 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Banjo_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Banjo_9:

(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Basato_10 Start: 6594, Stop: 9167, Start Num: 30
Candidate Starts for Basato_10:
(22, 6465), (Start: 30 @6594 has 464 MA's), (40, 6645), (42, 6657), (45, 6672), (Start: 50 @6696 has 1 MA's), (65, 6756), (71, 6777), (94, 6849), (101, 6879), (113, 6957), (Start: 114 @6972 has 1 MA's), (122, 7008), (128, 7023), (133, 7044), (158, 7164), (159, 7170), (160, 7173), (167, 7212), (179, 7284), (185, 7308), (186, 7317), (189, 7338), (200, 7383), (202, 7398), (209, 7434), (211, 7446), (215, 7461), (231, 7686), (238, 7785), (243, 7830), (271, 7908), (276, 7935), (280, 7959), (292, 8043), (302, 8112), (320, 8217), (321, 8220), (328, 8259), (329, 8262), (334, 8331), (335, 8334), (340, 8367), (346, 8424), (350, 8487), (352, 8505), (357, 8556), (361, 8586), (368, 8646), (371, 8685), (375, 8718), (377, 8727), (380, 8763), (395, 8901), (402, 8967),

Gene: BatteryCK_9 Start: 6357, Stop: 8933, Start Num: 30
Candidate Starts for BatteryCK_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Beaglebox_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Beaglebox_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Ben11_11 Start: 8056, Stop: 10488, Start Num: 30
Candidate Starts for Ben11_11:
(Start: 30 @8056 has 464 MA's), (Start: 49 @8155 has 2 MA's), (Start: 50 @8158 has 1 MA's), (62, 8203), (65, 8227), (73, 8260), (77, 8275), (92, 8314), (105, 8365), (118, 8395), (132, 8425), (140, 8452), (143, 8461), (155, 8524), (183, 8608), (185, 8614), (186, 8623), (187, 8626), (190, 8647), (202, 8704), (211, 8758), (220, 8860), (223, 8920), (226, 8947), (243, 9142), (271, 9238), (280, 9289), (288, 9340), (310, 9502), (320, 9559), (321, 9562), (323, 9571), (334, 9673), (346, 9766), (352, 9847), (380, 10105), (386, 10165), (389, 10180), (393, 10234), (405, 10318), (407, 10330), (425, 10399),

Gene: Bernardo_12 Start: 8230, Stop: 10662, Start Num: 30
Candidate Starts for Bernardo_12:

(Start: 30 @8230 has 464 MA's), (Start: 49 @8329 has 2 MA's), (Start: 50 @8332 has 1 MA's), (62, 8377), (65, 8401), (66, 8404), (73, 8434), (77, 8449), (92, 8488), (105, 8539), (118, 8569), (132, 8599), (140, 8626), (142, 8632), (155, 8698), (183, 8782), (185, 8788), (186, 8797), (187, 8800), (190, 8821), (202, 8878), (211, 8932), (220, 9034), (223, 9094), (226, 9121), (243, 9316), (271, 9412), (280, 9463), (288, 9514), (310, 9676), (321, 9736), (323, 9745), (334, 9847), (346, 9940), (352, 10021), (380, 10279), (386, 10339), (389, 10354), (393, 10408), (405, 10492), (407, 10504), (425, 10573),

Gene: BiggityBass_8 Start: 6947, Stop: 9349, Start Num: 30
Candidate Starts for BiggityBass_8:
(Start: 30 @6947 has 464 MA's), (Start: 35 @6965 has 1 MA's), (Start: 49 @7040 has 2 MA's), (53, 7052), (72, 7133), (91, 7190), (92, 7193), (94, 7202), (95, 7211), (101, 7223), (120, 7256), (133, 7295), (135, 7301), (138, 7316), (147, 7355), (151, 7376), (155, 7400), (160, 7421), (166, 7454), (185, 7484), (188, 7499), (200, 7559), (203, 7577), (215, 7634), (216, 7682), (234, 7895), (242, 7994), (266, 8093), (268, 8102), (271, 8132), (277, 8168), (280, 8183), (284, 8204), (288, 8234), (295, 8288), (306, 8375), (318, 8432), (341, 8609), (347, 8651), (352, 8729), (353, 8732), (357, 8780), (363, 8825), (368, 8870), (371, 8909), (374, 8936), (377, 8951), (389, 9062), (391, 9083), (396, 9134), (406, 9188), (416, 9215), (428, 9269), (442, 9338),

Gene: BirdsNest_13 Start: 7066, Stop: 9600, Start Num: 30
Candidate Starts for BirdsNest_13:
(Start: 30 @7066 has 464 MA's), (46, 7156), (71, 7249), (94, 7321), (95, 7330), (109, 7372), (122, 7393), (127, 7402), (152, 7501), (155, 7522), (185, 7660), (186, 7669), (202, 7750), (209, 7780), (217, 7861), (218, 7879), (224, 7960), (228, 7993), (231, 8032), (243, 8176), (256, 8245), (265, 8302), (269, 8329), (271, 8356), (280, 8407), (287, 8452), (288, 8458), (309, 8608), (317, 8647), (328, 8707), (330, 8737), (334, 8779), (335, 8782), (346, 8872), (351, 8947), (356, 8986), (367, 9085), (368, 9091), (375, 9163), (380, 9208), (391, 9304), (395, 9346), (415, 9439),

Gene: Bishoperium_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Bishoperium_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: BlackStallion_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for BlackStallion_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Blackpen_11 Start: 8109, Stop: 10520, Start Num: 30
Candidate Starts for Blackpen_11:
(Start: 30 @8109 has 464 MA's), (37, 8142), (41, 8157), (73, 8304), (129, 8451), (137, 8484), (138, 8490), (143, 8511), (160, 8595), (166, 8628), (182, 8643), (183, 8649), (202, 8745), (224, 8958), (243,

9165), (253, 9192), (266, 9264), (267, 9267), (268, 9273), (271, 9303), (277, 9339), (280, 9354), (284, 9375), (287, 9399), (288, 9405), (292, 9438), (295, 9459), (318, 9603), (320, 9615), (348, 9843), (350, 9885), (357, 9954), (363, 9999), (371, 10083), (377, 10125), (381, 10167), (410, 10371), (423, 10425),

Gene: BlacksBerry_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for BlacksBerry_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Blocker23_13 Start: 9734, Stop: 12181, Start Num: 30
Candidate Starts for Blocker23_13:
(Start: 30 @9734 has 464 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: BlueHusk_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for BlueHusk_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Bluephacebaby_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Bluephacebaby_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: BobRoss2024_8 Start: 6963, Stop: 9380, Start Num: 30
Candidate Starts for BobRoss2024_8:
(Start: 30 @6963 has 464 MA's), (Start: 31 @6966 has 1 MA's), (42, 7020), (53, 7068), (76, 7167), (137, 7329), (138, 7335), (157, 7428), (182, 7488), (186, 7509), (203, 7593), (220, 7737), (224, 7803),

(243, 8010), (267, 8127), (268, 8133), (271, 8163), (277, 8199), (280, 8214), (284, 8235), (288, 8265), (292, 8298), (306, 8406), (317, 8457), (318, 8463), (340, 8625), (347, 8682), (357, 8811), (374, 8967), (380, 9018), (389, 9093), (391, 9114), (403, 9201), (404, 9204), (417, 9249),

Gene: BobbyK_10 Start: 8634, Stop: 11141, Start Num: 30
Candidate Starts for BobbyK_10:
(Start: 30 @8634 has 464 MA's), (39, 8676), (44, 8709), (63, 8799), (76, 8862), (81, 8877), (85, 8886), (89, 8895), (94, 8913), (95, 8922), (101, 8934), (122, 8985), (124, 8988), (143, 9051), (145, 9060), (152, 9093), (155, 9114), (156, 9117), (157, 9123), (159, 9132), (160, 9135), (164, 9159), (169, 9183), (171, 9198), (174, 9216), (176, 9222), (186, 9267), (192, 9300), (202, 9348), (203, 9351), (211, 9390), (243, 9765), (271, 9906), (276, 9933), (279, 9954), (280, 9957), (287, 10002), (290, 10026), (302, 10110), (317, 10200), (320, 10218), (328, 10260), (330, 10290), (335, 10335), (340, 10368), (341, 10383), (346, 10425), (348, 10446), (351, 10503), (352, 10506), (355, 10536), (357, 10557), (361, 10587), (363, 10602), (364, 10629), (371, 10686), (372, 10692), (377, 10728), (380, 10764), (386, 10824), (391, 10860), (394, 10899), (395, 10902), (410, 10983), (434, 11076), (436, 11097),

Gene: Boehler_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Boehler_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: BoogieWoogie_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for BoogieWoogie_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Boyle_13 Start: 9734, Stop: 12181, Start Num: 30
Candidate Starts for Boyle_13:
(Start: 30 @9734 has 464 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Briakila_12 Start: 8997, Stop: 11429, Start Num: 30
Candidate Starts for Briakila_12:

(Start: 30 @8997 has 464 MA's), (Start: 49 @9096 has 2 MA's), (Start: 50 @9099 has 1 MA's), (62, 9144), (65, 9168), (66, 9171), (77, 9216), (92, 9255), (105, 9306), (118, 9336), (132, 9366), (140, 9393), (142, 9399), (155, 9465), (183, 9549), (185, 9555), (186, 9564), (187, 9567), (190, 9588), (202, 9645), (220, 9801), (223, 9861), (226, 9888), (243, 10083), (271, 10179), (280, 10230), (288, 10281), (310, 10443), (320, 10500), (321, 10503), (323, 10512), (334, 10614), (346, 10707), (352, 10788), (380, 11046), (386, 11106), (389, 11121), (393, 11175), (405, 11259), (407, 11271), (425, 11340),

Gene: Brilliant_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Brilliant_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (388, 8597), (395, 8666), (402, 8732),

Gene: BrownCNA_11 Start: 8888, Stop: 11395, Start Num: 30
Candidate Starts for BrownCNA_11:
(Start: 30 @8888 has 464 MA's), (39, 8930), (44, 8963), (63, 9053), (76, 9116), (81, 9131), (85, 9140), (89, 9149), (94, 9167), (95, 9176), (101, 9188), (122, 9239), (124, 9242), (143, 9305), (145, 9314), (152, 9347), (155, 9368), (156, 9371), (157, 9377), (159, 9386), (160, 9389), (164, 9413), (169, 9437), (171, 9452), (174, 9470), (176, 9476), (186, 9521), (192, 9554), (202, 9602), (203, 9605), (211, 9644), (243, 10019), (271, 10160), (276, 10187), (279, 10208), (280, 10211), (287, 10256), (290, 10280), (302, 10364), (317, 10454), (320, 10472), (328, 10514), (330, 10544), (335, 10589), (340, 10622), (341, 10637), (346, 10679), (348, 10700), (351, 10757), (352, 10760), (355, 10790), (357, 10811), (361, 10841), (363, 10856), (364, 10883), (371, 10940), (372, 10946), (377, 10982), (380, 11018), (386, 11078), (391, 11114), (394, 11153), (395, 11156), (410, 11237), (415, 11249), (426, 11300), (434, 11330), (436, 11351),

Gene: Brownie5_13 Start: 9734, Stop: 12181, Start Num: 30
Candidate Starts for Brownie5_13:
(Start: 30 @9734 has 464 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Buckeye_9 Start: 6362, Stop: 8935, Start Num: 30
Candidate Starts for Buckeye_9:
(22, 6233), (Start: 30 @6362 has 464 MA's), (40, 6413), (42, 6425), (45, 6440), (Start: 50 @6464 has 1 MA's), (65, 6524), (71, 6545), (94, 6617), (101, 6647), (113, 6725), (Start: 114 @6740 has 1 MA's), (122, 6776), (128, 6791), (133, 6812), (158, 6932), (159, 6938), (160, 6941), (167, 6980), (179, 7052), (185, 7076), (186, 7085), (189, 7106), (200, 7151), (202, 7166), (211, 7214), (215, 7229), (231, 7454), (238, 7553), (243, 7598), (271, 7676), (276, 7703), (280, 7727), (292, 7811), (302, 7880), (320, 7985), (321, 7988), (328, 8027), (329, 8030), (334, 8099), (335, 8102), (340, 8135), (346, 8192), (350, 8255), (352, 8273), (357, 8324), (361, 8354), (368, 8414), (371, 8453), (375, 8486), (377, 8495), (380, 8531),

(388, 8600), (395, 8669), (402, 8735),

Gene: Burr_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Burr_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (89, 6598), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: CRB2_12 Start: 9324, Stop: 11789, Start Num: 30
Candidate Starts for CRB2_12:
(22, 9195), (Start: 30 @9324 has 464 MA's), (44, 9399), (53, 9435), (71, 9507), (76, 9528), (80, 9540), (101, 9600), (140, 9699), (142, 9705), (157, 9780), (160, 9792), (164, 9816), (175, 9864), (179, 9879), (186, 9912), (202, 9993), (211, 10035), (217, 10104), (224, 10203), (243, 10419), (257, 10461), (263, 10494), (271, 10557), (279, 10605), (280, 10608), (287, 10653), (292, 10692), (294, 10710), (306, 10800), (317, 10851), (318, 10857), (330, 10941), (341, 11034), (346, 11076), (351, 11151), (352, 11154), (355, 11184), (357, 11205), (371, 11334), (391, 11508), (393, 11541), (395, 11550), (410, 11625), (426, 11688),

Gene: CaiB_11 Start: 8617, Stop: 11028, Start Num: 30
Candidate Starts for CaiB_11:
(Start: 30 @8617 has 464 MA's), (41, 8665), (73, 8812), (129, 8959), (137, 8992), (138, 8998), (143, 9019), (160, 9103), (166, 9136), (182, 9151), (202, 9253), (224, 9466), (243, 9673), (253, 9700), (266, 9772), (267, 9775), (268, 9781), (271, 9811), (277, 9847), (280, 9862), (284, 9883), (287, 9907), (288, 9913), (292, 9946), (295, 9967), (318, 10111), (320, 10123), (348, 10351), (350, 10393), (357, 10462), (363, 10507), (371, 10591), (377, 10633), (381, 10675), (410, 10879), (415, 10891), (423, 10933),

Gene: Calamitous_13 Start: 9617, Stop: 12064, Start Num: 30
Candidate Starts for Calamitous_13:
(Start: 30 @9617 has 464 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: CamL_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for CamL_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380,

8526), (388, 8595), (395, 8664), (402, 8730),

Gene: CampRoach_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for CampRoach_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Cannibal_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Cannibal_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Carthage_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Carthage_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Casbah_11 Start: 8060, Stop: 10492, Start Num: 30
Candidate Starts for Casbah_11:
(Start: 30 @8060 has 464 MA's), (Start: 49 @8159 has 2 MA's), (Start: 50 @8162 has 1 MA's), (62, 8207), (65, 8231), (66, 8234), (77, 8279), (92, 8318), (105, 8369), (118, 8399), (132, 8429), (140, 8456), (142, 8462), (155, 8528), (183, 8612), (185, 8618), (186, 8627), (187, 8630), (190, 8651), (202, 8708), (220, 8864), (223, 8924), (243, 9146), (271, 9242), (280, 9293), (288, 9344), (310, 9506), (320, 9563), (321, 9566), (323, 9575), (334, 9677), (346, 9770), (352, 9851), (380, 10109), (386, 10169), (389, 10184), (393, 10238), (405, 10322), (407, 10334), (425, 10403),

Gene: Caspiboi_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Caspiboi_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493),

(380, 8529), (394, 8664), (395, 8667), (402, 8733),

Gene: Caterpie_7 Start: 5020, Stop: 8334, Start Num: 2
Candidate Starts for Caterpie_7:
(Start: 2 @5020 has 1 MA's), (Start: 3 @5023 has 3 MA's), (4, 5050), (6, 5137), (8, 5161), (9, 5197), (10, 5218), (11, 5260), (12, 5299), (13, 5311), (15, 5356), (16, 5368), (17, 5380), (19, 5401), (23, 5521), (24, 5554), (33, 5653), (34, 5656), (38, 5677), (42, 5701), (51, 5743), (63, 5776), (67, 5806), (69, 5812), (71, 5833), (72, 5836), (86, 5887), (87, 5890), (95, 5929), (98, 5950), (130, 6115), (132, 6124), (136, 6136), (147, 6199), (157, 6253), (181, 6403), (193, 6466), (196, 6484), (199, 6535), (204, 6571), (207, 6589), (212, 6619), (213, 6622), (221, 6730), (224, 6790), (228, 6823), (231, 6862), (236, 6928), (238, 6964), (243, 7009), (261, 7033), (268, 7087), (271, 7117), (276, 7144), (283, 7183), (294, 7270), (300, 7309), (306, 7360), (318, 7414), (322, 7426), (335, 7537), (340, 7570), (364, 7834), (371, 7891), (374, 7918), (375, 7924), (380, 7969), (382, 7987), (387, 8035), (393, 8098), (394, 8104), (395, 8107), (399, 8140), (404, 8158), (410, 8185), (427, 8251), (443, 8329),

Gene: ChaChing_12 Start: 8223, Stop: 10655, Start Num: 30
Candidate Starts for ChaChing_12:
(Start: 30 @8223 has 464 MA's), (Start: 49 @8322 has 2 MA's), (Start: 50 @8325 has 1 MA's), (62, 8370), (65, 8394), (66, 8397), (77, 8442), (92, 8481), (105, 8532), (118, 8562), (132, 8592), (140, 8619), (143, 8628), (155, 8691), (183, 8775), (185, 8781), (186, 8790), (187, 8793), (190, 8814), (202, 8871), (220, 9027), (223, 9087), (243, 9309), (271, 9405), (280, 9456), (288, 9507), (310, 9669), (320, 9726), (321, 9729), (323, 9738), (334, 9840), (346, 9933), (352, 10014), (380, 10272), (386, 10332), (389, 10347), (393, 10401), (405, 10485), (407, 10497), (425, 10566),

Gene: Chaelin_9 Start: 6358, Stop: 8949, Start Num: 30
Candidate Starts for Chaelin_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (395, 8665), (402, 8731),

Gene: Chah_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Chah_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Chalmers_12 Start: 8998, Stop: 11445, Start Num: 30
Candidate Starts for Chalmers_12:
(Start: 30 @8998 has 464 MA's), (Start: 49 @9097 has 2 MA's), (Start: 50 @9100 has 1 MA's), (62, 9145), (65, 9169), (66, 9172), (77, 9217), (92, 9256), (105, 9307), (118, 9337), (132, 9367), (140, 9394), (142, 9400), (155, 9466), (183, 9550), (185, 9556), (186, 9565), (187, 9568), (190, 9589), (202, 9646), (220, 9802), (223, 9862), (243, 10084), (271, 10180), (280, 10231), (288, 10282), (310, 10444), (320, 10501), (321, 10504), (323, 10513), (334, 10615), (346, 10708), (352, 10789), (380, 11047),

(386, 11107), (389, 11122), (393, 11176), (405, 11260), (407, 11272), (425, 11341),

Gene: Chandler_12 Start: 8971, Stop: 11418, Start Num: 30
Candidate Starts for Chandler_12:
(Start: 30 @8971 has 464 MA's), (Start: 49 @9070 has 2 MA's), (Start: 50 @9073 has 1 MA's), (62, 9118), (65, 9142), (66, 9145), (77, 9190), (92, 9229), (105, 9280), (118, 9310), (132, 9340), (140, 9367), (142, 9373), (155, 9439), (185, 9529), (186, 9538), (187, 9541), (190, 9562), (202, 9619), (220, 9775), (223, 9835), (243, 10057), (271, 10153), (280, 10204), (288, 10255), (310, 10417), (320, 10474), (321, 10477), (323, 10486), (334, 10588), (346, 10681), (352, 10762), (380, 11020), (386, 11080), (389, 11095), (393, 11149), (405, 11233), (407, 11245), (425, 11314),

Gene: Charles1_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Charles1_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: CharlieGBrown_9 Start: 6357, Stop: 8951, Start Num: 30
Candidate Starts for CharlieGBrown_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: CharlottesWeb_9 Start: 7144, Stop: 9585, Start Num: 31
Candidate Starts for CharlottesWeb_9:
(Start: 30 @7141 has 464 MA's), (Start: 31 @7144 has 1 MA's), (Start: 35 @7159 has 1 MA's), (46, 7225), (47, 7228), (72, 7327), (89, 7378), (91, 7384), (120, 7453), (140, 7525), (141, 7528), (152, 7576), (155, 7597), (161, 7630), (185, 7681), (190, 7714), (198, 7744), (200, 7756), (202, 7771), (234, 8092), (243, 8230), (262, 8305), (266, 8329), (267, 8332), (268, 8338), (271, 8368), (275, 8389), (277, 8404), (280, 8419), (284, 8440), (291, 8500), (292, 8503), (295, 8524), (303, 8587), (313, 8653), (318, 8668), (320, 8680), (333, 8788), (335, 8797), (341, 8845), (347, 8887), (352, 8965), (363, 9061), (366, 9103), (370, 9145), (380, 9226), (389, 9301), (391, 9322), (392, 9343), (396, 9373), (403, 9406), (425, 9496), (429, 9508),

Gene: CheetO_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for CheetO_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598),

(395, 8667), (402, 8733),

Gene: Chentzyk_11 Start: 8084, Stop: 10531, Start Num: 30
Candidate Starts for Chentzyk_11:
(Start: 30 @8084 has 464 MA's), (Start: 49 @8183 has 2 MA's), (Start: 50 @8186 has 1 MA's), (62, 8231), (65, 8255), (73, 8288), (77, 8303), (92, 8342), (105, 8393), (118, 8423), (132, 8453), (140, 8480), (143, 8489), (155, 8552), (183, 8636), (185, 8642), (186, 8651), (187, 8654), (190, 8675), (202, 8732), (211, 8786), (220, 8888), (223, 8948), (226, 8975), (243, 9170), (271, 9266), (280, 9317), (288, 9368), (310, 9530), (320, 9587), (321, 9590), (323, 9599), (334, 9701), (346, 9794), (352, 9875), (380, 10133), (386, 10193), (389, 10208), (393, 10262), (405, 10346), (407, 10358), (425, 10427),

Gene: Cher_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Cher_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Childish_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Childish_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Chipette_10 Start: 6595, Stop: 9168, Start Num: 30
Candidate Starts for Chipette_10:
(22, 6466), (Start: 30 @6595 has 464 MA's), (40, 6646), (42, 6658), (45, 6673), (Start: 50 @6697 has 1 MA's), (65, 6757), (71, 6778), (94, 6850), (101, 6880), (113, 6958), (Start: 114 @6973 has 1 MA's), (122, 7009), (128, 7024), (133, 7045), (158, 7165), (159, 7171), (160, 7174), (179, 7285), (185, 7309), (186, 7318), (189, 7339), (200, 7384), (202, 7399), (211, 7447), (215, 7462), (231, 7687), (238, 7786), (243, 7831), (271, 7909), (276, 7936), (280, 7960), (292, 8044), (302, 8113), (320, 8218), (321, 8221), (328, 8260), (329, 8263), (334, 8332), (335, 8335), (340, 8368), (346, 8425), (350, 8488), (352, 8506), (357, 8557), (361, 8587), (368, 8647), (371, 8686), (375, 8719), (377, 8728), (380, 8764), (388, 8833), (395, 8902), (402, 8968),

Gene: Chorkpop_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Chorkpop_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598),

(395, 8667), (402, 8733),

Gene: ChrisnMich_9 Start: 7532, Stop: 10039, Start Num: 30
Candidate Starts for ChrisnMich_9:
(Start: 30 @7532 has 464 MA's), (39, 7574), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Chuni_9 Start: 6358, Stop: 8949, Start Num: 30
Candidate Starts for Chuni_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (395, 8665), (402, 8731),

Gene: Chunky_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Chunky_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Chute_9 Start: 6357, Stop: 8948, Start Num: 30
Candidate Starts for Chute_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: Clawz_42 Start: 20062, Stop: 22854, Start Num: 30
Candidate Starts for Clawz_42:
(Start: 30 @20062 has 464 MA's), (77, 20254), (79, 20260), (82, 20266), (84, 20269), (93, 20290), (124, 20365), (128, 20377), (140, 20410), (154, 20470), (160, 20494), (162, 20506), (164, 20518), (187, 20587), (190, 20608), (197, 20638), (210, 20710), (211, 20719), (225, 20890), (235, 21016), (245, 21091), (274, 21166), (280, 21202), (296, 21325), (298, 21337), (299, 21340), (302, 21361),

(315, 21448), (320, 21505), (322, 21511), (326, 21532), (327, 21535), (339, 21664), (369, 22048), (375, 22087), (376, 22090), (377, 22096), (383, 22177), (385, 22195), (390, 22219), (394, 22285), (397, 22303), (401, 22354), (403, 22360), (413, 22399), (446, 22636), (447, 22732), (448, 22753), (449, 22786), (450, 22819), (451, 22831), (452, 22837),

Gene: CloverMinnie_11 Start: 8617, Stop: 11028, Start Num: 30
Candidate Starts for CloverMinnie_11:
(Start: 30 @8617 has 464 MA's), (41, 8665), (73, 8812), (129, 8959), (137, 8992), (138, 8998), (143, 9019), (160, 9103), (166, 9136), (182, 9151), (202, 9253), (224, 9466), (243, 9673), (253, 9700), (266, 9772), (267, 9775), (268, 9781), (271, 9811), (277, 9847), (280, 9862), (284, 9883), (287, 9907), (288, 9913), (292, 9946), (295, 9967), (318, 10111), (320, 10123), (348, 10351), (350, 10393), (357, 10462), (363, 10507), (371, 10591), (377, 10633), (381, 10675), (410, 10879), (423, 10933),

Gene: Cobra_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Cobra_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730), (419, 8793),

Gene: Coco2012_9 Start: 7141, Stop: 9585, Start Num: 30
Candidate Starts for Coco2012_9:
(Start: 30 @7141 has 464 MA's), (Start: 31 @7144 has 1 MA's), (Start: 35 @7159 has 1 MA's), (46, 7225), (47, 7228), (53, 7246), (72, 7327), (89, 7378), (91, 7384), (120, 7453), (140, 7525), (141, 7528), (152, 7576), (155, 7597), (161, 7630), (185, 7681), (190, 7714), (198, 7744), (200, 7756), (202, 7771), (223, 7978), (234, 8092), (243, 8230), (262, 8305), (266, 8329), (267, 8332), (268, 8338), (271, 8368), (275, 8389), (277, 8404), (280, 8419), (284, 8440), (291, 8500), (295, 8524), (303, 8587), (313, 8653), (318, 8668), (320, 8680), (333, 8788), (335, 8797), (341, 8845), (347, 8887), (352, 8965), (353, 8968), (363, 9061), (366, 9103), (380, 9226), (389, 9301), (391, 9322), (392, 9343), (396, 9373), (404, 9409), (406, 9424), (425, 9496),

Gene: Coffee_13 Start: 9734, Stop: 12181, Start Num: 30
Candidate Starts for Coffee_13:
(Start: 30 @9734 has 464 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Colbert_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Colbert_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071),

(186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: ColdSoup_43 Start: 20153, Stop: 22936, Start Num: 30
Candidate Starts for ColdSoup_43:
(21, 19991), (Start: 30 @20153 has 464 MA's), (32, 20162), (68, 20321), (82, 20357), (84, 20360), (93, 20381), (103, 20420), (160, 20585), (162, 20597), (164, 20609), (183, 20660), (187, 20678), (194, 20717), (225, 20981), (230, 21050), (235, 21107), (245, 21182), (274, 21257), (280, 21293), (296, 21416), (302, 21452), (312, 21518), (315, 21539), (320, 21596), (322, 21602), (327, 21626), (332, 21689), (344, 21788), (375, 22169), (376, 22172), (377, 22178), (383, 22259), (394, 22367), (401, 22436), (403, 22442), (413, 22481), (433, 22571), (445, 22658), (447, 22814), (448, 22835), (449, 22868), (450, 22901), (452, 22919),

Gene: Coldpizza_11 Start: 9057, Stop: 11468, Start Num: 30
Candidate Starts for Coldpizza_11:
(Start: 30 @9057 has 464 MA's), (57, 9180), (81, 9282), (85, 9291), (121, 9381), (123, 9384), (128, 9393), (140, 9438), (163, 9549), (164, 9555), (182, 9591), (186, 9612), (187, 9615), (190, 9636), (200, 9678), (223, 9900), (232, 9978), (240, 10095), (253, 10137), (271, 10251), (280, 10302), (285, 10332), (306, 10494), (320, 10563), (329, 10608), (333, 10671), (334, 10677), (335, 10680), (347, 10770), (374, 11055), (380, 11106), (386, 11166), (400, 11286), (418, 11340), (426, 11382), (430, 11400), (442, 11457),

Gene: Coletti_9 Start: 6357, Stop: 8948, Start Num: 30
Candidate Starts for Coletti_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: Compostia_12 Start: 8216, Stop: 10648, Start Num: 30
Candidate Starts for Compostia_12:
(Start: 30 @8216 has 464 MA's), (Start: 49 @8315 has 2 MA's), (Start: 50 @8318 has 1 MA's), (62, 8363), (65, 8387), (66, 8390), (77, 8435), (92, 8474), (105, 8525), (118, 8555), (132, 8585), (140, 8612), (142, 8618), (155, 8684), (183, 8768), (185, 8774), (186, 8783), (187, 8786), (190, 8807), (202, 8864), (220, 9020), (223, 9080), (243, 9302), (271, 9398), (280, 9449), (288, 9500), (310, 9662), (320, 9719), (321, 9722), (323, 9731), (334, 9833), (346, 9926), (352, 10007), (380, 10265), (386, 10325), (389, 10340), (393, 10394), (405, 10478), (407, 10490), (425, 10559),

Gene: Cooper_10 Start: 7593, Stop: 10112, Start Num: 30
Candidate Starts for Cooper_10:
(Start: 28 @7587 has 1 MA's), (Start: 30 @7593 has 464 MA's), (39, 7635), (44, 7668), (63, 7758), (76, 7821), (81, 7836), (85, 7845), (89, 7854), (94, 7872), (95, 7881), (101, 7893), (106, 7908), (143, 8010), (145, 8019), (152, 8052), (155, 8073), (157, 8082), (159, 8091), (160, 8094), (164, 8118), (165, 8127), (171, 8157), (176, 8181), (178, 8190), (186, 8226), (192, 8259), (202, 8307), (203, 8310), (211, 8349), (231, 8589), (243, 8724), (271, 8880), (272, 8883), (276, 8907), (279, 8928), (280, 8931), (288, 8982), (292, 9015), (302, 9084), (306, 9123), (317, 9174), (320, 9192), (328, 9234), (329, 9237), (330, 9264),

(335, 9309), (346, 9399), (351, 9474), (352, 9477), (355, 9507), (357, 9528), (361, 9558), (363, 9573), (364, 9600), (367, 9612), (371, 9657), (372, 9663), (377, 9699), (380, 9735), (386, 9795), (389, 9810), (391, 9831), (395, 9873), (410, 9954), (415, 9966), (434, 10047), (436, 10068),

Gene: Cornbread_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Cornbread_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Cornobble_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Cornobble_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Corofin_12 Start: 8233, Stop: 10665, Start Num: 30
Candidate Starts for Corofin_12:
(Start: 30 @8233 has 464 MA's), (Start: 49 @8332 has 2 MA's), (Start: 50 @8335 has 1 MA's), (62, 8380), (65, 8404), (66, 8407), (77, 8452), (92, 8491), (105, 8542), (118, 8572), (132, 8602), (140, 8629), (142, 8635), (155, 8701), (183, 8785), (185, 8791), (186, 8800), (187, 8803), (190, 8824), (202, 8881), (220, 9037), (223, 9097), (243, 9319), (271, 9415), (280, 9466), (288, 9517), (310, 9679), (320, 9736), (321, 9739), (323, 9748), (334, 9850), (346, 9943), (352, 10024), (380, 10282), (386, 10342), (389, 10357), (393, 10411), (405, 10495), (407, 10507), (425, 10576),

Gene: Cosmolli16_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Cosmolli16_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Craff_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Craff_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320,

7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Crownjwl_10 Start: 6595, Stop: 9165, Start Num: 30
Candidate Starts for Crownjwl_10:
(22, 6466), (Start: 30 @6595 has 464 MA's), (40, 6646), (42, 6658), (45, 6673), (Start: 50 @6697 has 1 MA's), (65, 6757), (71, 6778), (94, 6850), (101, 6880), (113, 6958), (Start: 114 @6973 has 1 MA's), (122, 7009), (128, 7024), (133, 7045), (158, 7165), (159, 7171), (160, 7174), (179, 7285), (185, 7309), (186, 7318), (189, 7339), (200, 7384), (202, 7399), (211, 7447), (215, 7462), (231, 7687), (238, 7786), (243, 7831), (271, 7909), (276, 7936), (280, 7960), (292, 8044), (302, 8113), (320, 8218), (321, 8221), (328, 8260), (329, 8263), (334, 8332), (335, 8335), (340, 8368), (346, 8425), (350, 8488), (352, 8506), (357, 8557), (361, 8587), (368, 8647), (371, 8686), (375, 8719), (377, 8728), (380, 8764), (388, 8833), (395, 8902), (402, 8968),

Gene: DaddyDaniels_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for DaddyDaniels_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Daffy_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Daffy_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Daisy_12 Start: 8211, Stop: 10658, Start Num: 30
Candidate Starts for Daisy_12:
(Start: 30 @8211 has 464 MA's), (Start: 49 @8310 has 2 MA's), (Start: 50 @8313 has 1 MA's), (62, 8358), (65, 8382), (66, 8385), (77, 8430), (92, 8469), (105, 8520), (118, 8550), (132, 8580), (140, 8607), (142, 8613), (155, 8679), (183, 8763), (185, 8769), (186, 8778), (187, 8781), (190, 8802), (202, 8859), (220, 9015), (223, 9075), (243, 9297), (271, 9393), (280, 9444), (288, 9495), (310, 9657), (320, 9714), (321, 9717), (323, 9726), (334, 9828), (346, 9921), (352, 10002), (380, 10260), (386, 10320), (389, 10335), (393, 10389), (405, 10473), (407, 10485), (425, 10554),

Gene: Daka_9 Start: 6363, Stop: 8936, Start Num: 30
Candidate Starts for Daka_9:
(22, 6234), (Start: 30 @6363 has 464 MA's), (40, 6414), (42, 6426), (45, 6441), (Start: 50 @6465 has 1 MA's), (65, 6525), (71, 6546), (94, 6618), (101, 6648), (113, 6726), (Start: 114 @6741 has 1 MA's), (122, 6777), (128, 6792), (133, 6813), (158, 6933), (159, 6939), (160, 6942), (179, 7053), (185, 7077), (186, 7086), (189, 7107), (200, 7152), (202, 7167), (211, 7215), (215, 7230), (231, 7455), (238, 7554), (243, 7599), (271, 7677), (276, 7704), (280, 7728), (292, 7812), (302, 7881), (320, 7986), (321, 7989),

(328, 8028), (329, 8031), (334, 8100), (335, 8103), (340, 8136), (346, 8193), (350, 8256), (352, 8274), (357, 8325), (361, 8355), (368, 8415), (371, 8454), (375, 8487), (377, 8496), (380, 8532), (388, 8601), (395, 8670), (402, 8736),

Gene: Dati_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Dati_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Deenasa_12 Start: 8971, Stop: 11403, Start Num: 30
Candidate Starts for Deenasa_12:
(Start: 30 @8971 has 464 MA's), (Start: 49 @9070 has 2 MA's), (Start: 50 @9073 has 1 MA's), (62, 9118), (65, 9142), (66, 9145), (77, 9190), (92, 9229), (105, 9280), (118, 9310), (132, 9340), (140, 9367), (142, 9373), (155, 9439), (183, 9523), (185, 9529), (186, 9538), (187, 9541), (190, 9562), (202, 9619), (220, 9775), (223, 9835), (243, 10057), (271, 10153), (280, 10204), (288, 10255), (310, 10417), (321, 10477), (323, 10486), (334, 10588), (346, 10681), (352, 10762), (380, 11020), (386, 11080), (389, 11095), (393, 11149), (405, 11233), (407, 11245), (425, 11314),

Gene: DelRivs_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for DelRivs_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Derpp_9 Start: 6357, Stop: 8939, Start Num: 30
Candidate Starts for Derpp_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Devonte_12 Start: 8208, Stop: 10640, Start Num: 30
Candidate Starts for Devonte_12:
(Start: 30 @8208 has 464 MA's), (Start: 49 @8307 has 2 MA's), (Start: 50 @8310 has 1 MA's), (62, 8355), (65, 8379), (66, 8382), (77, 8427), (92, 8466), (105, 8517), (118, 8547), (132, 8577), (140, 8604), (142, 8610), (155, 8676), (183, 8760), (185, 8766), (186, 8775), (187, 8778), (190, 8799), (202, 8856), (220, 9012), (223, 9072), (243, 9294), (271, 9390), (280, 9441), (288, 9492), (310, 9654), (320, 9711), (321, 9714), (323, 9723), (334, 9825), (346, 9918), (352, 9999), (380, 10257), (386, 10317),

(389, 10332), (393, 10386), (405, 10470), (407, 10482), (425, 10551),

Gene: Dice_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Dice_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (89, 6596), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (388, 8597), (395, 8666), (402, 8732),

Gene: DigitDog_11 Start: 8936, Stop: 11071, Start Num: 135
Candidate Starts for DigitDog_11:
(Start: 29 @8564 has 2 MA's), (Start: 30 @8567 has 464 MA's), (41, 8621), (45, 8645), (53, 8678), (63, 8714), (112, 8888), (124, 8903), (135, 8936), (143, 8966), (164, 9074), (178, 9137), (179, 9140), (185, 9164), (186, 9173), (187, 9176), (190, 9197), (211, 9302), (226, 9491), (243, 9674), (266, 9797), (270, 9815), (271, 9836), (280, 9887), (281, 9893), (292, 9980), (317, 10139), (320, 10157), (329, 10202), (334, 10271), (340, 10307), (341, 10322), (346, 10364), (352, 10445), (364, 10568), (371, 10625), (372, 10631), (380, 10703), (392, 10820), (410, 10919),

Gene: Dingo_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Dingo_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Dione_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Dione_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: DirtJuice_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for DirtJuice_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529),

(388, 8598), (395, 8667), (402, 8733),

Gene: Doddsville_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Doddsville_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: DoesntMatter_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for DoesntMatter_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: DolOn_11 Start: 6595, Stop: 9168, Start Num: 30
Candidate Starts for DolOn_11:
(22, 6466), (Start: 30 @6595 has 464 MA's), (40, 6646), (42, 6658), (45, 6673), (Start: 50 @6697 has 1 MA's), (65, 6757), (71, 6778), (94, 6850), (101, 6880), (113, 6958), (Start: 114 @6973 has 1 MA's), (122, 7009), (128, 7024), (133, 7045), (158, 7165), (159, 7171), (160, 7174), (179, 7285), (185, 7309), (186, 7318), (189, 7339), (200, 7384), (202, 7399), (211, 7447), (215, 7462), (231, 7687), (238, 7786), (243, 7831), (271, 7909), (276, 7936), (280, 7960), (292, 8044), (302, 8113), (320, 8218), (321, 8221), (328, 8260), (329, 8263), (334, 8332), (335, 8335), (340, 8368), (346, 8425), (350, 8488), (352, 8506), (357, 8557), (361, 8587), (368, 8647), (371, 8686), (375, 8719), (377, 8728), (380, 8764), (388, 8833), (395, 8902), (402, 8968),

Gene: DonSanchon_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for DonSanchon_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: DonTron_42 Start: 20223, Stop: 23006, Start Num: 30
Candidate Starts for DonTron_42:
(Start: 30 @20223 has 464 MA's), (32, 20232), (53, 20331), (68, 20391), (82, 20427), (84, 20430), (93, 20451), (103, 20490), (160, 20655), (162, 20667), (164, 20679), (183, 20730), (194, 20787), (225, 21051), (230, 21120), (235, 21177), (245, 21252), (274, 21327), (280, 21363), (296, 21486), (302, 21522), (312, 21588), (315, 21609), (320, 21666), (322, 21672), (327, 21696), (332, 21759), (344, 21858), (375, 22239), (376, 22242), (377, 22248), (383, 22329), (394, 22437), (401, 22506), (403,

22512), (413, 22551), (445, 22728), (447, 22884), (448, 22905), (449, 22938), (450, 22971), (452, 22989),

Gene: Donny_11 Start: 8560, Stop: 11070, Start Num: 30
Candidate Starts for Donny_11:
(Start: 29 @8557 has 2 MA's), (Start: 30 @8560 has 464 MA's), (41, 8614), (45, 8638), (53, 8671), (61, 8692), (63, 8707), (112, 8881), (124, 8896), (129, 8908), (135, 8929), (143, 8959), (160, 9043), (164, 9067), (185, 9157), (186, 9166), (187, 9169), (190, 9190), (211, 9295), (243, 9667), (266, 9796), (270, 9814), (271, 9835), (280, 9886), (281, 9892), (292, 9979), (317, 10138), (320, 10156), (329, 10201), (340, 10306), (341, 10321), (346, 10363), (352, 10444), (361, 10525), (364, 10567), (371, 10624), (372, 10630), (377, 10666), (380, 10702), (386, 10762), (393, 10831), (410, 10918),

Gene: Dori_8 Start: 5655, Stop: 8153, Start Num: 2
Candidate Starts for Dori_8:
(Start: 2 @5655 has 1 MA's), (Start: 3 @5658 has 3 MA's), (4, 5685), (6, 5772), (8, 5796), (10, 5853), (11, 5895), (12, 5934), (13, 5946), (15, 5991), (16, 6003), (17, 6015), (19, 6036), (23, 6156), (24, 6189), (33, 6288), (34, 6291), (38, 6312), (42, 6336), (51, 6378), (63, 6411), (67, 6441), (221, 6549), (228, 6642), (231, 6681), (236, 6747), (238, 6783), (243, 6828), (261, 6852), (268, 6906), (271, 6936), (275, 6957), (276, 6963), (283, 7002), (294, 7089), (300, 7128), (306, 7179), (318, 7233), (322, 7245), (335, 7356), (340, 7389), (364, 7653), (371, 7710), (374, 7737), (375, 7743), (380, 7788), (382, 7806), (387, 7854), (393, 7917), (394, 7923), (395, 7926), (399, 7959), (404, 7977), (410, 8004), (421, 8046), (427, 8070), (443, 8148),

Gene: DuchessDung_9 Start: 6357, Stop: 8933, Start Num: 30
Candidate Starts for DuchessDung_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Duggie_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Duggie_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Durga_9 Start: 6356, Stop: 8947, Start Num: 30
Candidate Starts for Durga_9:
(22, 6227), (Start: 30 @6356 has 464 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (167, 6974), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (209, 7196), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (313, 7952), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129),

(346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (395, 8663), (402, 8729),

Gene: Eaglehorse_13 Start: 9635, Stop: 12082, Start Num: 30
Candidate Starts for Eaglehorse_13:
(Start: 30 @9635 has 464 MA's), (41, 9689), (54, 9749), (76, 9842), (78, 9848), (84, 9863), (91, 9884), (96, 9914), (116, 9995), (117, 9998), (120, 10007), (131, 10034), (137, 10061), (157, 10133), (160, 10145), (164, 10163), (167, 10169), (178, 10232), (190, 10277), (200, 10319), (205, 10349), (222, 10520), (223, 10541), (224, 10547), (231, 10619), (236, 10682), (241, 10760), (244, 10766), (266, 10817), (271, 10856), (275, 10877), (276, 10883), (280, 10907), (288, 10958), (289, 10961), (292, 10991), (300, 11048), (302, 11060), (303, 11075), (307, 11102), (314, 11144), (323, 11189), (324, 11192), (329, 11222), (333, 11285), (334, 11291), (335, 11294), (338, 11306), (348, 11402), (350, 11444), (357, 11513), (364, 11591), (370, 11645), (377, 11690), (378, 11693), (379, 11720), (386, 11786), (389, 11801), (391, 11822), (394, 11861), (404, 11915), (410, 11942), (415, 11954), (427, 12002),

Gene: EastView9101_11 Start: 8563, Stop: 11073, Start Num: 30
Candidate Starts for EastView9101_11:
(7, 8074), (14, 8260), (Start: 29 @8560 has 2 MA's), (Start: 30 @8563 has 464 MA's), (41, 8617), (45, 8641), (53, 8674), (61, 8695), (63, 8710), (112, 8884), (124, 8899), (129, 8911), (135, 8932), (143, 8962), (160, 9046), (164, 9070), (185, 9160), (186, 9169), (187, 9172), (190, 9193), (243, 9670), (250, 9709), (266, 9799), (270, 9817), (271, 9838), (280, 9889), (281, 9895), (292, 9982), (317, 10141), (320, 10159), (329, 10204), (334, 10273), (340, 10309), (341, 10324), (346, 10366), (352, 10447), (364, 10570), (371, 10627), (372, 10633), (380, 10705), (392, 10822), (393, 10834), (410, 10921), (416, 10936), (426, 10984),

Gene: ElvisPhasley_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for ElvisPhasley_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (209, 7201), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (313, 7957), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (394, 8665), (395, 8668), (402, 8734),

Gene: EmGer13_9 Start: 6360, Stop: 8930, Start Num: 30
Candidate Starts for EmGer13_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Emiris_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Emiris_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075),

(186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: EmpTee_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for EmpTee_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Epah_9 Start: 7532, Stop: 10039, Start Num: 30
Candidate Starts for Epah_9:
(Start: 30 @7532 has 464 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Eremos_9 Start: 6354, Stop: 8927, Start Num: 30
Candidate Starts for Eremos_9:
(22, 6225), (Start: 30 @6354 has 464 MA's), (40, 6405), (42, 6417), (45, 6432), (Start: 50 @6456 has 1 MA's), (65, 6516), (71, 6537), (94, 6609), (101, 6639), (113, 6717), (Start: 114 @6732 has 1 MA's), (122, 6768), (128, 6783), (133, 6804), (158, 6924), (159, 6930), (160, 6933), (179, 7044), (185, 7068), (186, 7077), (189, 7098), (200, 7143), (202, 7158), (211, 7206), (215, 7221), (231, 7446), (238, 7545), (243, 7590), (271, 7668), (276, 7695), (280, 7719), (292, 7803), (302, 7872), (320, 7977), (321, 7980), (328, 8019), (329, 8022), (334, 8091), (335, 8094), (340, 8127), (346, 8184), (350, 8247), (352, 8265), (357, 8316), (361, 8346), (368, 8406), (371, 8445), (375, 8478), (377, 8487), (380, 8523), (388, 8592), (395, 8661), (402, 8727),

Gene: Etaye_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Etaye_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Eugenia_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Eugenia_9:

(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (171, 7009), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Evaa_10 Start: 8448, Stop: 10856, Start Num: 30
Candidate Starts for Evaa_10:
(Start: 30 @8448 has 464 MA's), (Start: 49 @8547 has 2 MA's), (53, 8559), (81, 8664), (91, 8688), (94, 8700), (132, 8790), (140, 8817), (163, 8928), (164, 8934), (178, 8955), (186, 8991), (190, 9015), (216, 9177), (223, 9276), (240, 9477), (253, 9519), (260, 9549), (266, 9600), (268, 9609), (271, 9639), (280, 9690), (285, 9720), (292, 9774), (306, 9882), (318, 9939), (335, 10068), (347, 10158), (357, 10287), (361, 10317), (374, 10443), (386, 10554), (395, 10632), (400, 10674), (406, 10695), (410, 10707), (418, 10728), (426, 10770), (438, 10827), (442, 10845),

Gene: Fanaw_10 Start: 9054, Stop: 11144, Start Num: 143
Candidate Starts for Fanaw_10:
(Start: 30 @8637 has 464 MA's), (39, 8679), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (367, 10644), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (389, 10842), (395, 10905), (410, 10986), (415, 10998), (434, 11079), (436, 11100),

Gene: Fang_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Fang_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (89, 6598), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Faze9_13 Start: 9734, Stop: 12181, Start Num: 30
Candidate Starts for Faze9_13:
(Start: 30 @9734 has 464 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: FelixTres_11 Start: 8617, Stop: 11028, Start Num: 30
Candidate Starts for FelixTres_11:
(Start: 30 @8617 has 464 MA's), (37, 8650), (41, 8665), (73, 8812), (129, 8959), (137, 8992), (138, 8998), (143, 9019), (160, 9103), (166, 9136), (182, 9151), (183, 9157), (202, 9253), (224, 9466), (243, 9673), (253, 9700), (266, 9772), (267, 9775), (268, 9781), (271, 9811), (277, 9847), (280, 9862), (284, 9883), (287, 9907), (288, 9913), (292, 9946), (295, 9967), (318, 10111), (320, 10123), (348, 10351), (350, 10393), (357, 10462), (363, 10507), (371, 10591), (377, 10633), (381, 10675), (410, 10879), (423, 10933),

Gene: Flake_9 Start: 6359, Stop: 8950, Start Num: 30
Candidate Starts for Flake_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: FleetyMac_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for FleetyMac_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (394, 8662), (395, 8665), (402, 8731),

Gene: FluffyNinja_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for FluffyNinja_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: ForDig_8 Start: 7124, Stop: 9544, Start Num: 30
Candidate Starts for ForDig_8:
(Start: 30 @7124 has 464 MA's), (60, 7247), (63, 7262), (65, 7283), (76, 7325), (89, 7358), (91, 7364), (115, 7439), (138, 7490), (139, 7493), (155, 7574), (160, 7595), (164, 7619), (179, 7670), (186, 7703), (191, 7733), (192, 7736), (200, 7769), (202, 7784), (203, 7787), (228, 8033), (231, 8072), (243, 8225), (264, 8237), (267, 8258), (271, 8294), (276, 8321), (280, 8345), (285, 8375), (294, 8447), (302, 8498), (306, 8537), (308, 8543), (318, 8594), (320, 8606), (323, 8618), (329, 8651), (330, 8678), (335, 8723), (340, 8756), (346, 8822), (351, 8900), (352, 8903), (368, 9044), (377, 9125), (380, 9161), (391, 9257), (393, 9290), (395, 9299), (408, 9380), (412, 9392), (439, 9512),

Gene: Fortunato_10 Start: 8628, Stop: 11135, Start Num: 30
Candidate Starts for Fortunato_10:
(Start: 30 @8628 has 464 MA's), (39, 8670), (63, 8793), (76, 8856), (81, 8871), (85, 8880), (89, 8889), (94, 8907), (95, 8916), (101, 8928), (122, 8979), (124, 8982), (143, 9045), (145, 9054), (152, 9087), (154, 9105), (155, 9108), (157, 9117), (160, 9129), (161, 9141), (171, 9192), (186, 9261), (192, 9294), (202, 9342), (203, 9345), (211, 9384), (243, 9759), (271, 9900), (276, 9927), (278, 9942), (279, 9948), (280, 9951), (287, 9996), (290, 10020), (302, 10104), (317, 10194), (320, 10212), (328, 10254), (330, 10284), (335, 10329), (340, 10362), (341, 10377), (345, 10410), (346, 10419), (348, 10440), (351, 10497), (352, 10500), (355, 10530), (357, 10551), (361, 10581), (363, 10596), (364, 10623), (371, 10680), (372, 10686), (377, 10722), (380, 10758), (386, 10818), (389, 10833), (395, 10896), (410, 10977), (415, 10989), (434, 11070), (436, 11091),

Gene: Fozzie_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Fozzie_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Frankicide_9 Start: 6362, Stop: 8935, Start Num: 30
Candidate Starts for Frankicide_9:
(22, 6233), (Start: 30 @6362 has 464 MA's), (40, 6413), (42, 6425), (45, 6440), (Start: 50 @6464 has 1 MA's), (65, 6524), (71, 6545), (94, 6617), (101, 6647), (113, 6725), (Start: 114 @6740 has 1 MA's), (122, 6776), (128, 6791), (133, 6812), (158, 6932), (159, 6938), (160, 6941), (167, 6980), (179, 7052), (185, 7076), (186, 7085), (189, 7106), (200, 7151), (202, 7166), (211, 7214), (215, 7229), (231, 7454), (238, 7553), (243, 7598), (271, 7676), (276, 7703), (280, 7727), (292, 7811), (302, 7880), (320, 7985), (321, 7988), (328, 8027), (329, 8030), (334, 8099), (335, 8102), (340, 8135), (346, 8192), (350, 8255), (352, 8273), (357, 8324), (361, 8354), (368, 8414), (371, 8453), (375, 8486), (377, 8495), (380, 8531), (388, 8600), (395, 8669), (402, 8735),

Gene: Frederick_10 Start: 8637, Stop: 11144, Start Num: 30
Candidate Starts for Frederick_10:
(Start: 30 @8637 has 464 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (389, 10842), (395, 10905), (410, 10986), (415, 10998), (434, 11079), (436, 11100),

Gene: FremontTroll_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for FremontTroll_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320,

7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: FrenchFry_13 Start: 9734, Stop: 12181, Start Num: 30
Candidate Starts for FrenchFry_13:
(Start: 30 @9734 has 464 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Fresco_9 Start: 7131, Stop: 9533, Start Num: 30
Candidate Starts for Fresco_9:
(18, 6879), (25, 7101), (Start: 30 @7131 has 464 MA's), (Start: 31 @7134 has 1 MA's), (Start: 35 @7149 has 1 MA's), (47, 7218), (53, 7236), (58, 7248), (70, 7311), (72, 7317), (89, 7368), (91, 7374), (103, 7416), (120, 7440), (140, 7512), (154, 7581), (160, 7605), (185, 7668), (188, 7683), (190, 7701), (200, 7743), (216, 7866), (234, 8079), (242, 8178), (262, 8253), (266, 8277), (267, 8280), (268, 8286), (271, 8316), (277, 8352), (280, 8367), (284, 8388), (317, 8610), (318, 8616), (320, 8628), (329, 8673), (333, 8736), (341, 8793), (347, 8835), (351, 8910), (352, 8913), (360, 8988), (363, 9009), (368, 9057), (374, 9123), (377, 9138), (385, 9231), (389, 9249), (396, 9321), (410, 9384), (415, 9396), (425, 9444), (428, 9453), (442, 9522),

Gene: Freya_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Freya_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (313, 7957), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: FriarPreacher_9 Start: 6357, Stop: 8936, Start Num: 30
Candidate Starts for FriarPreacher_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7053), (185, 7077), (186, 7086), (189, 7107), (200, 7152), (202, 7167), (211, 7215), (215, 7230), (231, 7455), (238, 7554), (243, 7599), (271, 7677), (276, 7704), (280, 7728), (292, 7812), (302, 7881), (320, 7986), (321, 7989), (328, 8028), (329, 8031), (334, 8100), (335, 8103), (340, 8136), (346, 8193), (350, 8256), (352, 8274), (357, 8325), (361, 8355), (368, 8415), (371, 8454), (375, 8487), (377, 8496), (380, 8532), (388, 8601), (395, 8670), (402, 8736),

Gene: Fringe_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Fringe_9:

(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: FugateOSU_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for FugateOSU_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (171, 7008), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Funsized_15 Start: 10637, Stop: 13096, Start Num: 30
Candidate Starts for Funsized_15:
(Start: 30 @10637 has 464 MA's), (65, 10787), (81, 10844), (95, 10889), (99, 10895), (101, 10901), (122, 10961), (124, 10964), (140, 11018), (152, 11069), (155, 11090), (160, 11111), (163, 11129), (164, 11135), (185, 11210), (190, 11243), (200, 11285), (202, 11300), (217, 11411), (218, 11429), (224, 11510), (226, 11531), (229, 11564), (243, 11729), (249, 11747), (255, 11777), (271, 11870), (275, 11891), (280, 11921), (287, 11966), (290, 11990), (292, 12005), (302, 12074), (303, 12089), (306, 12113), (317, 12164), (320, 12182), (321, 12185), (328, 12224), (329, 12227), (334, 12296), (335, 12299), (346, 12389), (351, 12464), (352, 12467), (361, 12548), (367, 12602), (375, 12680), (377, 12689), (380, 12725), (389, 12800), (410, 12944), (425, 13004), (436, 13067),

Gene: Gadjet_13 Start: 8212, Stop: 10644, Start Num: 30
Candidate Starts for Gadjet_13:
(Start: 30 @8212 has 464 MA's), (Start: 49 @8311 has 2 MA's), (Start: 50 @8314 has 1 MA's), (62, 8359), (65, 8383), (66, 8386), (77, 8431), (92, 8470), (105, 8521), (118, 8551), (132, 8581), (140, 8608), (142, 8614), (155, 8680), (183, 8764), (185, 8770), (186, 8779), (187, 8782), (190, 8803), (202, 8860), (220, 9016), (223, 9076), (243, 9298), (271, 9394), (280, 9445), (288, 9496), (310, 9658), (320, 9715), (321, 9718), (323, 9727), (334, 9829), (346, 9922), (352, 10003), (380, 10261), (386, 10321), (389, 10336), (393, 10390), (405, 10474), (407, 10486), (425, 10555),

Gene: Gareth_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Gareth_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: GeneCoco_9 Start: 6360, Stop: 8939, Start Num: 30
Candidate Starts for GeneCoco_9:

(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (394, 8664), (395, 8667), (402, 8733),

Gene: Gervas_12 Start: 8197, Stop: 10644, Start Num: 30
Candidate Starts for Gervas_12:
(Start: 30 @8197 has 464 MA's), (Start: 49 @8296 has 2 MA's), (Start: 50 @8299 has 1 MA's), (62, 8344), (65, 8368), (66, 8371), (73, 8401), (77, 8416), (92, 8455), (105, 8506), (118, 8536), (132, 8566), (140, 8593), (143, 8602), (155, 8665), (183, 8749), (185, 8755), (186, 8764), (187, 8767), (190, 8788), (202, 8845), (220, 9001), (223, 9061), (226, 9088), (243, 9283), (271, 9379), (280, 9430), (288, 9481), (310, 9643), (320, 9700), (321, 9703), (323, 9712), (334, 9814), (346, 9907), (352, 9988), (380, 10246), (386, 10306), (389, 10321), (393, 10375), (405, 10459), (407, 10471), (425, 10540),

Gene: GinPorsche_9 Start: 7532, Stop: 10039, Start Num: 30
Candidate Starts for GinPorsche_9:
(Start: 30 @7532 has 464 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Giraffe_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Giraffe_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Glass_13 Start: 9734, Stop: 12181, Start Num: 30
Candidate Starts for Glass_13:
(Start: 30 @9734 has 464 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: GlenHope_13 Start: 8222, Stop: 10654, Start Num: 30
Candidate Starts for GlenHope_13:
(Start: 30 @8222 has 464 MA's), (Start: 49 @8321 has 2 MA's), (Start: 50 @8324 has 1 MA's), (62, 8369), (65, 8393), (66, 8396), (73, 8426), (77, 8441), (92, 8480), (105, 8531), (118, 8561), (132, 8591), (140, 8618), (143, 8627), (155, 8690), (183, 8774), (185, 8780), (186, 8789), (187, 8792), (190, 8813), (211, 8924), (220, 9026), (223, 9086), (226, 9113), (243, 9308), (271, 9404), (280, 9455), (288, 9506), (310, 9668), (321, 9728), (323, 9737), (334, 9839), (346, 9932), (352, 10013), (380, 10271), (386, 10331), (389, 10346), (393, 10400), (405, 10484), (407, 10496), (425, 10565),

Gene: Glubnar_12 Start: 8212, Stop: 10644, Start Num: 30
Candidate Starts for Glubnar_12:
(Start: 30 @8212 has 464 MA's), (Start: 49 @8311 has 2 MA's), (Start: 50 @8314 has 1 MA's), (62, 8359), (65, 8383), (66, 8386), (73, 8416), (77, 8431), (92, 8470), (105, 8521), (118, 8551), (132, 8581), (140, 8608), (143, 8617), (155, 8680), (183, 8764), (185, 8770), (186, 8779), (187, 8782), (190, 8803), (202, 8860), (220, 9016), (223, 9076), (243, 9298), (271, 9394), (280, 9445), (288, 9496), (310, 9658), (320, 9715), (321, 9718), (323, 9727), (334, 9829), (346, 9922), (352, 10003), (380, 10261), (386, 10321), (389, 10336), (393, 10390), (405, 10474), (407, 10486), (425, 10555),

Gene: Godines_13 Start: 9617, Stop: 12064, Start Num: 30
Candidate Starts for Godines_13:
(Start: 30 @9617 has 464 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (132, 10022), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Gophee_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Gophee_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Grand2040_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Grand2040_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: GreenChile_10 Start: 6362, Stop: 8935, Start Num: 30
Candidate Starts for GreenChile_10:
(22, 6233), (Start: 30 @6362 has 464 MA's), (40, 6413), (42, 6425), (45, 6440), (Start: 50 @6464 has 1 MA's), (65, 6524), (71, 6545), (94, 6617), (101, 6647), (113, 6725), (Start: 114 @6740 has 1 MA's), (122, 6776), (128, 6791), (133, 6812), (158, 6932), (159, 6938), (160, 6941), (167, 6980), (179, 7052), (185, 7076), (186, 7085), (189, 7106), (200, 7151), (202, 7166), (211, 7214), (215, 7229), (231, 7454), (238, 7553), (243, 7598), (271, 7676), (276, 7703), (280, 7727), (292, 7811), (302, 7880), (320, 7985), (321, 7988), (328, 8027), (329, 8030), (334, 8099), (335, 8102), (340, 8135), (346, 8192), (350, 8255), (352, 8273), (357, 8324), (361, 8354), (368, 8414), (371, 8453), (375, 8486), (377, 8495), (380, 8531), (388, 8600), (395, 8669), (402, 8735),

Gene: Grumio_42 Start: 19661, Stop: 22444, Start Num: 30
Candidate Starts for Grumio_42:
(21, 19499), (Start: 30 @19661 has 464 MA's), (32, 19670), (53, 19769), (68, 19829), (82, 19865), (84, 19868), (93, 19889), (103, 19928), (160, 20093), (162, 20105), (164, 20117), (183, 20168), (187, 20186), (194, 20225), (225, 20489), (230, 20558), (235, 20615), (245, 20690), (274, 20765), (280, 20801), (296, 20924), (302, 20960), (312, 21026), (315, 21047), (320, 21104), (322, 21110), (327, 21134), (332, 21197), (344, 21296), (375, 21677), (376, 21680), (377, 21686), (383, 21767), (394, 21875), (401, 21944), (403, 21950), (413, 21989), (433, 22079), (445, 22166), (447, 22322), (448, 22343), (449, 22376), (450, 22409), (452, 22427),

Gene: Gwennie1_9 Start: 6360, Stop: 8951, Start Num: 30
Candidate Starts for Gwennie1_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Gwilliam_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Gwilliam_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Gyarad_009 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Gyarad_009:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: HSavage_9 Start: 6362, Stop: 8935, Start Num: 30
Candidate Starts for HSavage_9:
(22, 6233), (Start: 30 @6362 has 464 MA's), (40, 6413), (42, 6425), (45, 6440), (Start: 50 @6464 has 1 MA's), (65, 6524), (71, 6545), (94, 6617), (101, 6647), (113, 6725), (Start: 114 @6740 has 1 MA's), (122, 6776), (128, 6791), (133, 6812), (158, 6932), (159, 6938), (160, 6941), (179, 7052), (185, 7076), (186, 7085), (189, 7106), (200, 7151), (202, 7166), (211, 7214), (215, 7229), (231, 7454), (238, 7553), (243, 7598), (271, 7676), (276, 7703), (280, 7727), (292, 7811), (302, 7880), (320, 7985), (321, 7988), (328, 8027), (329, 8030), (334, 8099), (335, 8102), (340, 8135), (346, 8192), (350, 8255), (352, 8273), (357, 8324), (361, 8354), (368, 8414), (371, 8453), (375, 8486), (377, 8495), (380, 8531), (388, 8600), (395, 8669), (402, 8735),

Gene: Haimas_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Haimas_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Haleema_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Haleema_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Halfpint_11 Start: 8057, Stop: 10489, Start Num: 30
Candidate Starts for Halfpint_11:
(Start: 30 @8057 has 464 MA's), (Start: 49 @8156 has 2 MA's), (Start: 50 @8159 has 1 MA's), (62, 8204), (65, 8228), (66, 8231), (77, 8276), (92, 8315), (105, 8366), (118, 8396), (132, 8426), (140, 8453), (142, 8459), (155, 8525), (183, 8609), (185, 8615), (186, 8624), (187, 8627), (190, 8648), (202, 8705), (220, 8861), (223, 8921), (243, 9143), (271, 9239), (280, 9290), (288, 9341), (310, 9503), (320, 9560), (321, 9563), (323, 9572), (334, 9674), (346, 9767), (352, 9848), (380, 10106), (386, 10166), (389, 10181), (393, 10235), (405, 10319), (407, 10331), (425, 10400),

Gene: Hally898_9 Start: 7532, Stop: 10039, Start Num: 30
Candidate Starts for Hally898_9:
(Start: 30 @7532 has 464 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737),

(391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Hamish_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Hamish_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Hangman_10 Start: 8637, Stop: 11144, Start Num: 30
Candidate Starts for Hangman_10:
(Start: 30 @8637 has 464 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (391, 10863), (394, 10902), (395, 10905), (410, 10986), (434, 11079), (436, 11100),

Gene: Happabalu_10 Start: 6719, Stop: 8929, Start Num: 113
Candidate Starts for Happabalu_10:
(22, 6227), (Start: 30 @6356 has 464 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (209, 7196), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (313, 7952), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (395, 8663), (402, 8729),

Gene: Hartsy_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Hartsy_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Harvey_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Harvey_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453),

(238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: HarveySr_12 Start: 8209, Stop: 10641, Start Num: 30
Candidate Starts for HarveySr_12:
(Start: 30 @8209 has 464 MA's), (Start: 49 @8308 has 2 MA's), (Start: 50 @8311 has 1 MA's), (62, 8356), (65, 8380), (66, 8383), (73, 8413), (77, 8428), (92, 8467), (105, 8518), (118, 8548), (132, 8578), (140, 8605), (143, 8614), (155, 8677), (183, 8761), (184, 8764), (185, 8767), (186, 8776), (187, 8779), (190, 8800), (202, 8857), (220, 9013), (223, 9073), (226, 9100), (243, 9295), (271, 9391), (280, 9442), (288, 9493), (310, 9655), (320, 9712), (321, 9715), (323, 9724), (334, 9826), (346, 9919), (352, 10000), (380, 10258), (386, 10318), (389, 10333), (393, 10387), (405, 10471), (407, 10483), (425, 10552),

Gene: Hashim76_14 Start: 7492, Stop: 10023, Start Num: 30
Candidate Starts for Hashim76_14:
(Start: 30 @7492 has 464 MA's), (47, 7585), (57, 7615), (71, 7675), (81, 7711), (94, 7747), (95, 7756), (109, 7798), (118, 7807), (122, 7819), (127, 7828), (142, 7882), (152, 7927), (164, 7993), (178, 8059), (185, 8086), (186, 8095), (202, 8176), (209, 8206), (217, 8287), (218, 8305), (224, 8386), (228, 8419), (231, 8458), (243, 8602), (256, 8671), (265, 8734), (269, 8761), (271, 8788), (279, 8836), (280, 8839), (287, 8884), (288, 8890), (317, 9079), (328, 9139), (329, 9142), (330, 9169), (334, 9211), (335, 9214), (346, 9304), (351, 9379), (357, 9433), (367, 9517), (368, 9523), (375, 9595), (380, 9640), (391, 9736), (415, 9871),

Gene: Heath_10 Start: 8637, Stop: 11144, Start Num: 30
Candidate Starts for Heath_10:
(Start: 30 @8637 has 464 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (391, 10863), (394, 10902), (395, 10905), (410, 10986), (415, 10998), (426, 11049), (434, 11079), (436, 11100),

Gene: Heathcliff_12 Start: 8194, Stop: 10626, Start Num: 30
Candidate Starts for Heathcliff_12:
(Start: 30 @8194 has 464 MA's), (Start: 49 @8293 has 2 MA's), (Start: 50 @8296 has 1 MA's), (62, 8341), (65, 8365), (66, 8368), (73, 8398), (77, 8413), (92, 8452), (105, 8503), (118, 8533), (132, 8563), (140, 8590), (143, 8599), (155, 8662), (183, 8746), (185, 8752), (186, 8761), (187, 8764), (190, 8785), (202, 8842), (211, 8896), (220, 8998), (223, 9058), (226, 9085), (243, 9280), (271, 9376), (280, 9427), (288, 9478), (310, 9640), (321, 9700), (323, 9709), (334, 9811), (346, 9904), (352, 9985), (380, 10243), (386, 10303), (389, 10318), (393, 10372), (405, 10456), (407, 10468), (425, 10537),

Gene: Hedgerow_13 Start: 9716, Stop: 12163, Start Num: 30
Candidate Starts for Hedgerow_13:
(Start: 30 @9716 has 464 MA's), (41, 9770), (54, 9830), (76, 9923), (78, 9929), (84, 9944), (91, 9965), (96, 9995), (116, 10076), (117, 10079), (120, 10088), (131, 10115), (137, 10142), (157, 10214), (160, 10226), (164, 10244), (167, 10250), (178, 10313), (190, 10358), (200, 10400), (205, 10430), (222, 10601), (223, 10622), (224, 10628), (231, 10700), (236, 10763), (241, 10841), (244, 10847), (266, 10898), (271, 10937), (275, 10958), (276, 10964), (280, 10988), (288, 11039), (289, 11042), (292,

11072), (300, 11129), (302, 11141), (303, 11156), (307, 11183), (314, 11225), (323, 11270), (324, 11273), (329, 11303), (333, 11366), (334, 11372), (335, 11375), (338, 11387), (348, 11483), (350, 11525), (357, 11594), (364, 11672), (370, 11726), (377, 11771), (378, 11774), (379, 11801), (386, 11867), (389, 11882), (391, 11903), (394, 11942), (404, 11996), (410, 12023), (415, 12035), (427, 12083),

Gene: Hekos_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Hekos_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Held_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Held_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: HenryJackson_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for HenryJackson_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Hertubise_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Hertubise_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Hetaeria_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Hetaeria_9:

(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: HighStump_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for HighStump_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Hocus_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Hocus_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (394, 8664), (395, 8667), (402, 8733),

Gene: HogWash_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for HogWash_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Holeinone_13 Start: 9616, Stop: 12063, Start Num: 30
Candidate Starts for Holeinone_13:
(Start: 30 @9616 has 464 MA's), (41, 9670), (54, 9730), (76, 9823), (78, 9829), (84, 9844), (91, 9865), (96, 9895), (116, 9976), (117, 9979), (120, 9988), (131, 10015), (137, 10042), (157, 10114), (160, 10126), (164, 10144), (167, 10150), (178, 10213), (190, 10258), (200, 10300), (205, 10330), (222, 10501), (223, 10522), (224, 10528), (231, 10600), (236, 10663), (241, 10741), (244, 10747), (266, 10798), (271, 10837), (275, 10858), (276, 10864), (280, 10888), (288, 10939), (289, 10942), (292, 10972), (300, 11029), (302, 11041), (303, 11056), (307, 11083), (314, 11125), (323, 11170), (324, 11173), (329, 11203), (333, 11266), (334, 11272), (335, 11275), (338, 11287), (348, 11383), (350, 11425), (357, 11494), (364, 11572), (370, 11626), (377, 11671), (378, 11674), (379, 11701), (386, 11767), (389, 11782), (391, 11803), (394, 11842), (404, 11896), (410, 11923), (415, 11935), (427,

11983),

Gene: Horchata_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Horchata_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Hosp_06 Start: 5326, Stop: 7746, Start Num: 30
Candidate Starts for Hosp_06:
(Start: 30 @5326 has 464 MA's), (41, 5380), (60, 5449), (63, 5464), (65, 5485), (76, 5527), (89, 5560), (91, 5566), (115, 5641), (138, 5692), (140, 5704), (152, 5755), (155, 5776), (160, 5797), (161, 5809), (164, 5821), (178, 5869), (186, 5905), (192, 5938), (200, 5971), (202, 5986), (203, 5989), (228, 6235), (231, 6274), (243, 6427), (264, 6439), (267, 6460), (271, 6496), (276, 6523), (280, 6547), (285, 6577), (294, 6649), (302, 6700), (306, 6739), (308, 6745), (318, 6796), (323, 6820), (329, 6853), (330, 6880), (335, 6925), (340, 6958), (346, 7024), (351, 7102), (352, 7105), (357, 7156), (368, 7246), (377, 7327), (380, 7363), (391, 7459), (393, 7492), (395, 7501), (408, 7582), (412, 7594), (439, 7714),

Gene: Hydro_10 Start: 8634, Stop: 11141, Start Num: 30
Candidate Starts for Hydro_10:
(Start: 30 @8634 has 464 MA's), (39, 8676), (44, 8709), (63, 8799), (76, 8862), (81, 8877), (85, 8886), (89, 8895), (94, 8913), (95, 8922), (101, 8934), (122, 8985), (124, 8988), (143, 9051), (145, 9060), (152, 9093), (155, 9114), (156, 9117), (157, 9123), (159, 9132), (160, 9135), (164, 9159), (169, 9183), (171, 9198), (174, 9216), (176, 9222), (186, 9267), (192, 9300), (202, 9348), (203, 9351), (211, 9390), (243, 9765), (271, 9906), (276, 9933), (279, 9954), (280, 9957), (287, 10002), (290, 10026), (302, 10110), (317, 10200), (320, 10218), (328, 10260), (330, 10290), (335, 10335), (340, 10368), (341, 10383), (345, 10416), (346, 10425), (348, 10446), (351, 10503), (352, 10506), (355, 10536), (357, 10557), (361, 10587), (363, 10602), (364, 10629), (371, 10686), (372, 10692), (377, 10728), (380, 10764), (386, 10824), (389, 10839), (391, 10860), (395, 10902), (410, 10983), (415, 10995), (434, 11076), (436, 11097),

Gene: ImtiyazSitla_9 Start: 6357, Stop: 8927, Start Num: 30
Candidate Starts for ImtiyazSitla_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Imvubu_6 Start: 5456, Stop: 7957, Start Num: 30
Candidate Starts for Imvubu_6:
(Start: 30 @5456 has 464 MA's), (45, 5534), (46, 5546), (52, 5564), (53, 5567), (61, 5579), (63, 5594), (81, 5672), (89, 5690), (106, 5747), (122, 5786), (134, 5819), (140, 5846), (143, 5855), (148, 5879), (152, 5897), (159, 5936), (164, 5963), (174, 6032), (178, 6047), (180, 6053), (190, 6107), (192, 6116), (200, 6149), (206, 6179), (217, 6275), (218, 6293), (223, 6368), (224, 6374), (231, 6446), (237, 6527),

(243, 6593), (254, 6638), (255, 6641), (271, 6734), (280, 6785), (287, 6830), (288, 6836), (290, 6854), (292, 6869), (301, 6935), (303, 6953), (306, 6977), (328, 7088), (329, 7091), (341, 7211), (346, 7253), (352, 7331), (357, 7382), (367, 7466), (368, 7472), (375, 7544), (377, 7553), (380, 7589), (384, 7640), (391, 7685), (410, 7808), (422, 7859), (436, 7931),

Gene: Inchworm_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Inchworm_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Indlovu_10 Start: 8284, Stop: 10773, Start Num: 30
Candidate Starts for Indlovu_10:
(Start: 30 @8284 has 464 MA's), (53, 8395), (59, 8419), (61, 8440), (76, 8518), (85, 8542), (94, 8569), (99, 8584), (101, 8590), (140, 8698), (152, 8749), (155, 8770), (161, 8803), (164, 8815), (187, 8899), (217, 9088), (224, 9187), (243, 9403), (248, 9415), (265, 9493), (271, 9547), (279, 9595), (280, 9598), (287, 9643), (288, 9649), (292, 9682), (302, 9751), (317, 9841), (318, 9847), (328, 9901), (330, 9931), (334, 9973), (340, 10009), (346, 10066), (351, 10141), (352, 10144), (355, 10174), (371, 10324), (377, 10366), (380, 10402), (381, 10408), (389, 10477), (391, 10498), (395, 10540), (415, 10624), (436, 10735),

Gene: Inverness_9 Start: 6362, Stop: 8935, Start Num: 30
Candidate Starts for Inverness_9:
(22, 6233), (Start: 30 @6362 has 464 MA's), (40, 6413), (42, 6425), (45, 6440), (Start: 50 @6464 has 1 MA's), (65, 6524), (71, 6545), (94, 6617), (101, 6647), (113, 6725), (Start: 114 @6740 has 1 MA's), (122, 6776), (128, 6791), (133, 6812), (158, 6932), (159, 6938), (160, 6941), (179, 7052), (185, 7076), (186, 7085), (189, 7106), (200, 7151), (202, 7166), (211, 7214), (215, 7229), (231, 7454), (238, 7553), (243, 7598), (271, 7676), (276, 7703), (280, 7727), (292, 7811), (302, 7880), (320, 7985), (321, 7988), (328, 8027), (329, 8030), (334, 8099), (335, 8102), (340, 8135), (346, 8192), (350, 8255), (352, 8273), (357, 8324), (361, 8354), (368, 8414), (371, 8453), (375, 8486), (377, 8495), (380, 8531), (388, 8600), (395, 8669), (402, 8735),

Gene: Iridessa_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Iridessa_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Iridoclysis_9 Start: 6364, Stop: 8937, Start Num: 30
Candidate Starts for Iridoclysis_9:
(22, 6235), (Start: 30 @6364 has 464 MA's), (40, 6415), (42, 6427), (45, 6442), (Start: 50 @6466 has 1 MA's), (65, 6526), (71, 6547), (94, 6619), (101, 6649), (113, 6727), (Start: 114 @6742 has 1 MA's), (122, 6778), (128, 6793), (133, 6814), (158, 6934), (159, 6940), (160, 6943), (167, 6982), (179, 7054),

(185, 7078), (186, 7087), (189, 7108), (200, 7153), (202, 7168), (211, 7216), (215, 7231), (231, 7456), (238, 7555), (243, 7600), (271, 7678), (276, 7705), (280, 7729), (292, 7813), (302, 7882), (320, 7987), (321, 7990), (328, 8029), (329, 8032), (334, 8101), (335, 8104), (340, 8137), (346, 8194), (350, 8257), (352, 8275), (357, 8326), (361, 8356), (368, 8416), (371, 8455), (375, 8488), (377, 8497), (380, 8533), (388, 8602), (395, 8671), (402, 8737),

Gene: IsaacEli_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for IsaacEli_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: ItsyBitsy1_13 Start: 9608, Stop: 12055, Start Num: 30
Candidate Starts for ItsyBitsy1_13:
(Start: 30 @9608 has 464 MA's), (41, 9662), (54, 9722), (76, 9815), (78, 9821), (84, 9836), (91, 9857), (96, 9887), (116, 9968), (117, 9971), (120, 9980), (131, 10007), (137, 10034), (157, 10106), (160, 10118), (164, 10136), (167, 10142), (178, 10205), (190, 10250), (200, 10292), (205, 10322), (222, 10493), (223, 10514), (224, 10520), (231, 10592), (236, 10655), (241, 10733), (244, 10739), (266, 10790), (271, 10829), (275, 10850), (276, 10856), (280, 10880), (288, 10931), (289, 10934), (292, 10964), (300, 11021), (302, 11033), (303, 11048), (307, 11075), (314, 11117), (323, 11162), (324, 11165), (329, 11195), (333, 11258), (334, 11264), (335, 11267), (338, 11279), (348, 11375), (350, 11417), (357, 11486), (364, 11564), (370, 11618), (377, 11663), (378, 11666), (379, 11693), (386, 11759), (389, 11774), (391, 11795), (394, 11834), (404, 11888), (410, 11915), (415, 11927), (427, 11975),

Gene: JAMaL_9 Start: 8166, Stop: 10664, Start Num: 30
Candidate Starts for JAMaL_9:
(Start: 28 @8160 has 1 MA's), (Start: 30 @8166 has 464 MA's), (39, 8208), (42, 8229), (44, 8241), (63, 8331), (76, 8394), (81, 8409), (85, 8418), (89, 8427), (94, 8445), (95, 8454), (101, 8466), (106, 8481), (143, 8583), (145, 8592), (152, 8625), (155, 8646), (157, 8655), (159, 8664), (160, 8667), (164, 8691), (165, 8700), (171, 8730), (174, 8748), (176, 8754), (178, 8763), (186, 8799), (192, 8832), (202, 8880), (203, 8883), (209, 8910), (211, 8922), (222, 9063), (231, 9162), (243, 9297), (265, 9375), (271, 9429), (276, 9456), (279, 9477), (280, 9480), (287, 9525), (290, 9549), (317, 9723), (320, 9741), (328, 9783), (329, 9786), (330, 9813), (335, 9858), (340, 9891), (346, 9948), (351, 10026), (352, 10029), (355, 10059), (357, 10080), (361, 10110), (363, 10125), (364, 10152), (371, 10209), (372, 10215), (377, 10251), (380, 10287), (386, 10347), (389, 10362), (391, 10383), (395, 10425), (404, 10479), (410, 10506), (415, 10518), (424, 10563), (434, 10599), (436, 10620),

Gene: JDog_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for JDog_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: JacAttac_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for JacAttac_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Jackstina_11 Start: 8224, Stop: 10557, Start Num: 49
Candidate Starts for Jackstina_11:
(Start: 30 @8125 has 464 MA's), (Start: 49 @8224 has 2 MA's), (Start: 50 @8227 has 1 MA's), (62, 8272), (65, 8296), (66, 8299), (77, 8344), (92, 8383), (105, 8434), (118, 8464), (132, 8494), (140, 8521), (142, 8527), (155, 8593), (183, 8677), (185, 8683), (186, 8692), (187, 8695), (190, 8716), (202, 8773), (220, 8929), (223, 8989), (243, 9211), (271, 9307), (280, 9358), (288, 9409), (310, 9571), (320, 9628), (321, 9631), (323, 9640), (334, 9742), (346, 9835), (352, 9916), (380, 10174), (386, 10234), (389, 10249), (393, 10303), (405, 10387), (407, 10399), (425, 10468),

Gene: JaguarMi_11 Start: 8458, Stop: 10965, Start Num: 30
Candidate Starts for JaguarMi_11:
(Start: 30 @8458 has 464 MA's), (39, 8500), (44, 8533), (63, 8623), (76, 8686), (81, 8701), (85, 8710), (89, 8719), (94, 8737), (95, 8746), (122, 8809), (124, 8812), (143, 8875), (145, 8884), (147, 8893), (152, 8917), (155, 8938), (156, 8941), (157, 8947), (159, 8956), (160, 8959), (161, 8971), (164, 8983), (169, 9007), (171, 9022), (174, 9040), (186, 9091), (192, 9124), (202, 9172), (203, 9175), (209, 9202), (211, 9214), (243, 9589), (271, 9730), (276, 9757), (279, 9778), (280, 9781), (287, 9826), (290, 9850), (302, 9934), (317, 10024), (320, 10042), (328, 10084), (330, 10114), (335, 10159), (340, 10192), (341, 10207), (346, 10249), (348, 10270), (351, 10327), (352, 10330), (355, 10360), (357, 10381), (363, 10426), (364, 10453), (371, 10510), (372, 10516), (377, 10552), (380, 10588), (386, 10648), (389, 10663), (395, 10726), (410, 10807), (415, 10819), (425, 10867), (434, 10900), (436, 10921),

Gene: JakeO_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for JakeO_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: JangoPhett_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for JangoPhett_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527),

(388, 8596), (395, 8665), (402, 8731),

Gene: Jbug01_10 Start: 6773, Stop: 8947, Start Num: 122
Candidate Starts for Jbug01_10:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: JellyBelly_9 Start: 7141, Stop: 9585, Start Num: 30
Candidate Starts for JellyBelly_9:
(Start: 30 @7141 has 464 MA's), (Start: 31 @7144 has 1 MA's), (Start: 35 @7159 has 1 MA's), (46, 7225), (47, 7228), (53, 7246), (72, 7327), (89, 7378), (91, 7384), (120, 7453), (140, 7525), (141, 7528), (152, 7576), (155, 7597), (161, 7630), (185, 7681), (190, 7714), (198, 7744), (200, 7756), (202, 7771), (223, 7978), (234, 8092), (243, 8230), (262, 8305), (266, 8329), (267, 8332), (268, 8338), (271, 8368), (275, 8389), (277, 8404), (280, 8419), (284, 8440), (291, 8500), (292, 8503), (295, 8524), (303, 8587), (313, 8653), (318, 8668), (320, 8680), (333, 8788), (335, 8797), (341, 8845), (347, 8887), (352, 8965), (353, 8968), (363, 9061), (366, 9103), (380, 9226), (389, 9301), (392, 9343), (396, 9373), (404, 9409), (406, 9424), (425, 9496),

Gene: Jesabah_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Jesabah_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Jillium_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Jillium_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Jiminy_9 Start: 6359, Stop: 8935, Start Num: 30
Candidate Starts for Jiminy_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (159, 6935), (160, 6938), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982),

(321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (394, 8663), (395, 8666), (402, 8732),

Gene: Jiraiya_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Jiraiya_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: JohnLord_8 Start: 5358, Stop: 7856, Start Num: 2
Candidate Starts for JohnLord_8:
(Start: 2 @5358 has 1 MA's), (Start: 3 @5361 has 3 MA's), (4, 5388), (6, 5475), (8, 5499), (10, 5556), (11, 5598), (12, 5637), (13, 5649), (15, 5694), (16, 5706), (17, 5718), (19, 5739), (23, 5859), (24, 5892), (33, 5991), (34, 5994), (38, 6015), (42, 6039), (51, 6081), (63, 6114), (67, 6144), (221, 6252), (228, 6345), (231, 6384), (236, 6450), (238, 6486), (243, 6531), (261, 6555), (268, 6609), (271, 6639), (276, 6666), (283, 6705), (294, 6792), (300, 6831), (306, 6882), (318, 6936), (322, 6948), (335, 7059), (340, 7092), (364, 7356), (371, 7413), (374, 7440), (375, 7446), (380, 7491), (382, 7509), (387, 7557), (393, 7620), (394, 7626), (395, 7629), (399, 7662), (404, 7680), (410, 7707), (421, 7749), (427, 7773), (443, 7851),

Gene: Jolie1_08 Start: 7124, Stop: 9544, Start Num: 30
Candidate Starts for Jolie1_08:
(Start: 30 @7124 has 464 MA's), (60, 7247), (63, 7262), (65, 7283), (76, 7325), (89, 7358), (91, 7364), (115, 7439), (138, 7490), (139, 7493), (155, 7574), (160, 7595), (161, 7607), (164, 7619), (178, 7667), (186, 7703), (191, 7733), (192, 7736), (200, 7769), (202, 7784), (203, 7787), (228, 8033), (231, 8072), (243, 8225), (264, 8237), (267, 8258), (271, 8294), (276, 8321), (280, 8345), (285, 8375), (294, 8447), (302, 8498), (306, 8537), (308, 8543), (318, 8594), (320, 8606), (323, 8618), (329, 8651), (330, 8678), (335, 8723), (340, 8756), (346, 8822), (351, 8900), (352, 8903), (368, 9044), (377, 9125), (380, 9161), (391, 9257), (393, 9290), (395, 9299), (408, 9380), (412, 9392), (439, 9512),

Gene: Jollymon_42 Start: 20153, Stop: 22936, Start Num: 30
Candidate Starts for Jollymon_42:
(21, 19991), (Start: 30 @20153 has 464 MA's), (32, 20162), (68, 20321), (82, 20357), (84, 20360), (93, 20381), (103, 20420), (160, 20585), (162, 20597), (164, 20609), (183, 20660), (187, 20678), (194, 20717), (225, 20981), (230, 21050), (235, 21107), (245, 21182), (274, 21257), (280, 21293), (296, 21416), (302, 21452), (312, 21518), (315, 21539), (320, 21596), (322, 21602), (327, 21626), (332, 21689), (344, 21788), (375, 22169), (376, 22172), (377, 22178), (383, 22259), (394, 22367), (401, 22436), (403, 22442), (413, 22481), (433, 22571), (445, 22658), (447, 22814), (448, 22835), (449, 22868), (450, 22901), (452, 22919),

Gene: JoyceMaria_10 Start: 8637, Stop: 11144, Start Num: 30
Candidate Starts for JoyceMaria_10:
(Start: 30 @8637 has 464 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302,

10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (391, 10863), (394, 10902), (395, 10905), (410, 10986), (434, 11079), (436, 11100),

Gene: KLucky39_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for KLucky39_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Kahve_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Kahve_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Kailash_9 Start: 6357, Stop: 8942, Start Num: 30
Candidate Starts for Kailash_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Kaleb_13 Start: 9734, Stop: 12181, Start Num: 30
Candidate Starts for Kaleb_13:
(Start: 30 @9734 has 464 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Kamiyu_12 Start: 8203, Stop: 10635, Start Num: 30
Candidate Starts for Kamiyu_12:

(Start: 30 @8203 has 464 MA's), (Start: 49 @8302 has 2 MA's), (Start: 50 @8305 has 1 MA's), (62, 8350), (65, 8374), (66, 8377), (77, 8422), (92, 8461), (105, 8512), (118, 8542), (132, 8572), (140, 8599), (142, 8605), (155, 8671), (183, 8755), (185, 8761), (186, 8770), (187, 8773), (190, 8794), (202, 8851), (220, 9007), (223, 9067), (243, 9289), (271, 9385), (280, 9436), (288, 9487), (310, 9649), (320, 9706), (321, 9709), (323, 9718), (334, 9820), (346, 9913), (352, 9994), (380, 10252), (386, 10312), (389, 10327), (393, 10381), (405, 10465), (407, 10477), (425, 10546),

Gene: KarasumaRum_12 Start: 8728, Stop: 11235, Start Num: 30
Candidate Starts for KarasumaRum_12:
(Start: 29 @8725 has 2 MA's), (Start: 30 @8728 has 464 MA's), (41, 8782), (45, 8806), (53, 8839), (63, 8875), (112, 9049), (124, 9064), (129, 9076), (135, 9097), (143, 9127), (164, 9235), (178, 9298), (179, 9301), (185, 9325), (186, 9334), (187, 9337), (190, 9358), (211, 9463), (226, 9652), (243, 9835), (266, 9961), (270, 9979), (271, 10000), (280, 10051), (281, 10057), (292, 10144), (317, 10303), (320, 10321), (329, 10366), (334, 10435), (340, 10471), (341, 10486), (346, 10528), (352, 10609), (364, 10732), (371, 10789), (372, 10795), (373, 10810), (380, 10867), (392, 10984), (410, 11083),

Gene: Karn_9 Start: 6521, Stop: 8932, Start Num: 65
Candidate Starts for Karn_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Katniss_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Katniss_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: KayaCho_8 Start: 7142, Stop: 9547, Start Num: 30
Candidate Starts for KayaCho_8:
(Start: 30 @7142 has 464 MA's), (60, 7265), (63, 7280), (76, 7343), (89, 7376), (91, 7382), (115, 7457), (138, 7508), (139, 7511), (143, 7529), (152, 7571), (155, 7592), (160, 7613), (164, 7637), (178, 7679), (186, 7715), (192, 7748), (200, 7781), (202, 7796), (203, 7799), (209, 7832), (228, 8045), (231, 8084), (243, 8228), (264, 8240), (267, 8261), (271, 8297), (280, 8348), (285, 8378), (294, 8450), (302, 8501), (308, 8546), (317, 8591), (318, 8597), (320, 8609), (323, 8621), (329, 8654), (330, 8681), (335, 8726), (340, 8759), (342, 8780), (346, 8825), (351, 8903), (352, 8906), (357, 8957), (368, 9047), (377, 9128), (380, 9164), (391, 9260), (393, 9293), (395, 9302), (408, 9383), (412, 9395), (439, 9515),

Gene: Keitherie_9 Start: 6356, Stop: 8947, Start Num: 30
Candidate Starts for Keitherie_9:
(22, 6227), (Start: 30 @6356 has 464 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (179, 7046), (185, 7070),

(186, 7079), (189, 7100), (200, 7145), (202, 7160), (209, 7196), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (313, 7952), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (395, 8663), (402, 8729),

Gene: Khan1_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Khan1_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Kheth_13 Start: 9617, Stop: 12064, Start Num: 30
Candidate Starts for Kheth_13:
(Start: 30 @9617 has 464 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (358, 11501), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Kikipoo_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Kikipoo_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Kimbrough_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Kimbrough_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (91, 6603), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: KingTut_9 Start: 6361, Stop: 8934, Start Num: 30

Candidate Starts for KingTut_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: KingVeVeVe_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for KingVeVeVe_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (209, 7201), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (395, 8668), (402, 8734),

Gene: KingstonB_40 Start: 19661, Stop: 22444, Start Num: 30
Candidate Starts for KingstonB_40:
(21, 19499), (Start: 30 @19661 has 464 MA's), (32, 19670), (53, 19769), (68, 19829), (82, 19865), (84, 19868), (93, 19889), (103, 19928), (160, 20093), (162, 20105), (164, 20117), (183, 20168), (187, 20186), (194, 20225), (225, 20489), (230, 20558), (235, 20615), (245, 20690), (274, 20765), (280, 20801), (296, 20924), (302, 20960), (312, 21026), (315, 21047), (320, 21104), (322, 21110), (327, 21134), (332, 21197), (344, 21296), (375, 21677), (376, 21680), (377, 21686), (383, 21767), (394, 21875), (401, 21944), (403, 21950), (413, 21989), (433, 22079), (445, 22166), (447, 22322), (448, 22343), (449, 22376), (450, 22409), (452, 22427),

Gene: Kiwot_9 Start: 6359, Stop: 8935, Start Num: 30
Candidate Starts for Kiwot_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (394, 8663), (395, 8666), (402, 8732),

Gene: KlimbOn_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for KlimbOn_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Kloppinator_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Kloppinator_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Knocker_15 Start: 11104, Stop: 13569, Start Num: 30
Candidate Starts for Knocker_15:
(Start: 30 @11104 has 464 MA's), (41, 11158), (46, 11194), (47, 11197), (65, 11254), (81, 11311), (89, 11329), (94, 11347), (95, 11356), (99, 11362), (101, 11368), (122, 11416), (134, 11446), (140, 11473), (152, 11524), (155, 11545), (160, 11566), (163, 11584), (164, 11590), (173, 11617), (178, 11638), (192, 11707), (200, 11740), (202, 11755), (218, 11884), (224, 11965), (226, 11986), (229, 12019), (243, 12184), (255, 12232), (271, 12328), (273, 12334), (275, 12349), (280, 12379), (292, 12463), (303, 12547), (307, 12574), (317, 12622), (320, 12640), (321, 12643), (326, 12667), (328, 12682), (334, 12754), (346, 12847), (351, 12922), (352, 12925), (367, 13060), (368, 13066), (375, 13138), (380, 13183), (389, 13258), (391, 13279), (395, 13321), (404, 13375), (410, 13402), (422, 13453), (426, 13465), (436, 13540), (440, 13552), (441, 13561),

Gene: Kolhan_13 Start: 9617, Stop: 12064, Start Num: 30
Candidate Starts for Kolhan_13:
(Start: 30 @9617 has 464 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Kronus_11 Start: 8815, Stop: 11247, Start Num: 30
Candidate Starts for Kronus_11:
(Start: 30 @8815 has 464 MA's), (Start: 49 @8914 has 2 MA's), (Start: 50 @8917 has 1 MA's), (62, 8962), (65, 8986), (66, 8989), (73, 9019), (77, 9034), (92, 9073), (105, 9124), (118, 9154), (132, 9184), (140, 9211), (143, 9220), (155, 9283), (183, 9367), (185, 9373), (186, 9382), (187, 9385), (190, 9406), (202, 9463), (220, 9619), (223, 9679), (243, 9901), (271, 9997), (280, 10048), (288, 10099), (310, 10261), (320, 10318), (321, 10321), (323, 10330), (334, 10432), (346, 10525), (352, 10606), (380, 10864), (386, 10924), (389, 10939), (393, 10993), (405, 11077), (407, 11089), (425, 11158),

Gene: Kwadwo_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Kwadwo_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350,

8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Kwksand96_9 Start: 6357, Stop: 8933, Start Num: 30
Candidate Starts for Kwksand96_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Labeouficaum_9 Start: 6357, Stop: 8939, Start Num: 30
Candidate Starts for Labeouficaum_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Lambano_9 Start: 7532, Stop: 10039, Start Num: 30
Candidate Starts for Lambano_9:
(Start: 30 @7532 has 464 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Lars_13 Start: 9734, Stop: 12181, Start Num: 30
Candidate Starts for Lars_13:
(Start: 30 @9734 has 464 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Larson_11 Start: 6737, Stop: 8950, Start Num: 114
Candidate Starts for Larson_11:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's),

(122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: LasagnaCat_9 Start: 6357, Stop: 8942, Start Num: 30
Candidate Starts for LasagnaCat_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Lasso_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Lasso_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Laurie_13 Start: 9618, Stop: 12065, Start Num: 30
Candidate Starts for Laurie_13:
(Start: 30 @9618 has 464 MA's), (41, 9672), (54, 9732), (76, 9825), (78, 9831), (81, 9840), (84, 9846), (91, 9867), (96, 9897), (116, 9978), (117, 9981), (120, 9990), (131, 10017), (137, 10044), (157, 10116), (160, 10128), (164, 10146), (167, 10152), (178, 10215), (190, 10260), (200, 10302), (205, 10332), (222, 10503), (223, 10524), (224, 10530), (231, 10602), (236, 10665), (241, 10743), (244, 10749), (266, 10800), (271, 10839), (275, 10860), (276, 10866), (280, 10890), (288, 10941), (289, 10944), (292, 10974), (302, 11043), (303, 11058), (307, 11085), (314, 11127), (323, 11172), (324, 11175), (329, 11205), (333, 11268), (334, 11274), (335, 11277), (338, 11289), (348, 11385), (350, 11427), (357, 11496), (364, 11574), (377, 11673), (378, 11676), (379, 11703), (386, 11769), (389, 11784), (391, 11805), (394, 11844), (404, 11898), (410, 11925), (415, 11937), (427, 11985),

Gene: LeeLot_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for LeeLot_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Lego3393_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Lego3393_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Legolas_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Legolas_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Lehmann_10 Start: 6360, Stop: 8930, Start Num: 30
Candidate Starts for Lehmann_10:
(Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: LeiMonet_9 Start: 6356, Stop: 8929, Start Num: 30
Candidate Starts for LeiMonet_9:
(22, 6227), (Start: 30 @6356 has 464 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (167, 6974), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (388, 8594), (395, 8663), (402, 8729),

Gene: LemonSlice_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for LemonSlice_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (382, 8548), (388, 8599), (395, 8668), (402, 8734),

Gene: Lephleur_13 Start: 9617, Stop: 12064, Start Num: 30
Candidate Starts for Lephleur_13:
(Start: 30 @9617 has 464 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: LestyG_12 Start: 8212, Stop: 10644, Start Num: 30
Candidate Starts for LestyG_12:
(Start: 30 @8212 has 464 MA's), (Start: 49 @8311 has 2 MA's), (Start: 50 @8314 has 1 MA's), (62, 8359), (65, 8383), (66, 8386), (77, 8431), (92, 8470), (105, 8521), (118, 8551), (132, 8581), (140, 8608), (142, 8614), (155, 8680), (183, 8764), (185, 8770), (186, 8779), (187, 8782), (190, 8803), (202, 8860), (211, 8914), (220, 9016), (223, 9076), (243, 9298), (271, 9394), (280, 9445), (288, 9496), (310, 9658), (320, 9715), (321, 9718), (323, 9727), (334, 9829), (346, 9922), (352, 10003), (380, 10261), (386, 10321), (389, 10336), (393, 10390), (405, 10474), (407, 10486), (425, 10555),

Gene: Ligma_9 Start: 7149, Stop: 9533, Start Num: 35
Candidate Starts for Ligma_9:
(18, 6879), (25, 7101), (Start: 30 @7131 has 464 MA's), (Start: 31 @7134 has 1 MA's), (Start: 35 @7149 has 1 MA's), (47, 7218), (53, 7236), (58, 7248), (70, 7311), (72, 7317), (89, 7368), (91, 7374), (103, 7416), (120, 7440), (140, 7512), (154, 7581), (160, 7605), (185, 7668), (188, 7683), (190, 7701), (200, 7743), (216, 7866), (234, 8079), (242, 8178), (262, 8253), (266, 8277), (267, 8280), (268, 8286), (271, 8316), (277, 8352), (280, 8367), (284, 8388), (317, 8610), (318, 8616), (320, 8628), (329, 8673), (333, 8736), (341, 8793), (347, 8835), (351, 8910), (352, 8913), (360, 8988), (363, 9009), (368, 9057), (374, 9123), (377, 9138), (385, 9231), (389, 9249), (396, 9321), (410, 9384), (415, 9396), (425, 9444), (428, 9453), (442, 9522),

Gene: LilMcDreamy_11 Start: 9329, Stop: 11806, Start Num: 30
Candidate Starts for LilMcDreamy_11:
(Start: 30 @9329 has 464 MA's), (45, 9407), (53, 9440), (65, 9488), (81, 9545), (100, 9602), (143, 9716), (155, 9779), (160, 9800), (164, 9824), (178, 9878), (179, 9881), (185, 9905), (187, 9917), (190, 9938), (202, 9995), (203, 9998), (226, 10232), (236, 10346), (243, 10415), (246, 10421), (247, 10427), (252, 10454), (253, 10457), (266, 10526), (271, 10565), (280, 10616), (281, 10622), (300, 10766), (317, 10868), (341, 11051), (346, 11093), (352, 11174), (357, 11225), (371, 11354), (410, 11654), (415, 11666), (437, 11777),

Gene: LilSmirk_13 Start: 9617, Stop: 12064, Start Num: 30
Candidate Starts for LilSmirk_13:
(Start: 30 @9617 has 464 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386,

11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: LittleDigger_9 Start: 7533, Stop: 10040, Start Num: 30
Candidate Starts for LittleDigger_9:
(Start: 30 @7533 has 464 MA's), (39, 7575), (44, 7608), (57, 7656), (63, 7698), (76, 7761), (81, 7776), (85, 7785), (89, 7794), (94, 7812), (95, 7821), (101, 7833), (106, 7848), (143, 7950), (145, 7959), (152, 7992), (155, 8013), (157, 8022), (159, 8031), (160, 8034), (164, 8058), (165, 8067), (167, 8073), (171, 8097), (174, 8115), (176, 8121), (178, 8130), (186, 8166), (192, 8199), (202, 8247), (203, 8250), (211, 8289), (219, 8388), (243, 8664), (271, 8805), (276, 8832), (279, 8853), (280, 8856), (287, 8901), (290, 8925), (302, 9009), (317, 9099), (320, 9117), (328, 9159), (330, 9189), (335, 9234), (340, 9267), (341, 9282), (346, 9324), (348, 9345), (351, 9402), (352, 9405), (355, 9435), (357, 9456), (361, 9486), (363, 9501), (364, 9528), (367, 9540), (371, 9585), (372, 9591), (377, 9627), (380, 9663), (386, 9723), (389, 9738), (391, 9759), (395, 9801), (410, 9882), (415, 9894), (434, 9975), (436, 9996),

Gene: LittleMinkey_15 Start: 7686, Stop: 10211, Start Num: 30
Candidate Starts for LittleMinkey_15:
(Start: 30 @7686 has 464 MA's), (57, 7809), (65, 7848), (71, 7869), (81, 7905), (95, 7950), (109, 7992), (127, 8022), (152, 8121), (155, 8142), (164, 8187), (178, 8253), (185, 8280), (186, 8289), (202, 8370), (209, 8400), (217, 8481), (218, 8499), (224, 8580), (228, 8613), (231, 8652), (243, 8796), (256, 8865), (265, 8922), (269, 8949), (271, 8976), (279, 9024), (280, 9027), (287, 9072), (288, 9078), (309, 9228), (317, 9267), (328, 9327), (329, 9330), (330, 9357), (334, 9399), (335, 9402), (346, 9492), (367, 9705), (368, 9711), (375, 9783), (391, 9924), (395, 9966), (410, 10047), (415, 10059),

Gene: LittleMunchkin_10 Start: 8423, Stop: 10822, Start Num: 30
Candidate Starts for LittleMunchkin_10:
(20, 8216), (Start: 30 @8423 has 464 MA's), (Start: 35 @8441 has 1 MA's), (41, 8471), (47, 8510), (Start: 49 @8516 has 2 MA's), (53, 8528), (72, 8609), (77, 8630), (89, 8660), (91, 8666), (94, 8678), (125, 8744), (126, 8747), (140, 8804), (160, 8897), (161, 8909), (185, 8960), (186, 8969), (190, 8993), (192, 9002), (200, 9035), (202, 9050), (211, 9095), (242, 9470), (266, 9563), (267, 9566), (268, 9572), (271, 9602), (277, 9638), (280, 9653), (284, 9674), (288, 9704), (318, 9902), (341, 10079), (347, 10121), (353, 10202), (359, 10271), (361, 10280), (368, 10340), (374, 10406), (389, 10532), (391, 10553), (396, 10604), (410, 10673), (425, 10733), (442, 10811),

Gene: LizLemon_13 Start: 9734, Stop: 12181, Start Num: 30
Candidate Starts for LizLemon_13:
(Start: 30 @9734 has 464 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (358, 11618), (364, 11690), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Lolalove_10 Start: 8634, Stop: 11141, Start Num: 30
Candidate Starts for Lolalove_10:
(Start: 30 @8634 has 464 MA's), (39, 8676), (44, 8709), (63, 8799), (76, 8862), (81, 8877), (85, 8886), (89, 8895), (94, 8913), (95, 8922), (101, 8934), (122, 8985), (124, 8988), (143, 9051), (145, 9060), (152, 9093), (155, 9114), (156, 9117), (157, 9123), (159, 9132), (160, 9135), (164, 9159), (169, 9183), (171, 9198), (174, 9216), (176, 9222), (186, 9267), (192, 9300), (202, 9348), (203, 9351), (211, 9390), (243, 9765), (271, 9906), (276, 9933), (279, 9954), (280, 9957), (287, 10002), (290, 10026), (302,

10110), (317, 10200), (320, 10218), (328, 10260), (330, 10290), (335, 10335), (340, 10368), (341, 10383), (346, 10425), (348, 10446), (351, 10503), (352, 10506), (355, 10536), (357, 10557), (361, 10587), (363, 10602), (364, 10629), (371, 10686), (372, 10692), (377, 10728), (380, 10764), (386, 10824), (391, 10860), (394, 10899), (395, 10902), (410, 10983), (415, 10995), (426, 11046), (434, 11076), (436, 11097),

Gene: Longacauda_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Longacauda_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Lopsy_9 Start: 6360, Stop: 8930, Start Num: 30
Candidate Starts for Lopsy_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: LostAndPhound_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for LostAndPhound_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: LuckyMarjie_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for LuckyMarjie_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Lulumae_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Lulumae_9:

(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Lulwa_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Lulwa_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Lumine_9 Start: 6360, Stop: 8921, Start Num: 30
Candidate Starts for Lumine_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: MRabcd_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for MRabcd_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Mag7_9 Start: 6357, Stop: 8939, Start Num: 30
Candidate Starts for Mag7_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Magic8_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Magic8_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Magpie_10 Start: 8792, Stop: 11299, Start Num: 30
Candidate Starts for Magpie_10:
(Start: 30 @8792 has 464 MA's), (39, 8834), (63, 8957), (76, 9020), (81, 9035), (85, 9044), (89, 9053), (94, 9071), (95, 9080), (101, 9092), (122, 9143), (124, 9146), (143, 9209), (145, 9218), (152, 9251), (155, 9272), (156, 9275), (157, 9281), (159, 9290), (160, 9293), (164, 9317), (169, 9341), (171, 9356), (174, 9374), (176, 9380), (186, 9425), (192, 9458), (202, 9506), (203, 9509), (211, 9548), (243, 9923), (271, 10064), (276, 10091), (279, 10112), (280, 10115), (287, 10160), (302, 10268), (317, 10358), (320, 10376), (328, 10418), (330, 10448), (335, 10493), (340, 10526), (341, 10541), (345, 10574), (346, 10583), (348, 10604), (351, 10661), (352, 10664), (355, 10694), (357, 10715), (361, 10745), (363, 10760), (364, 10787), (371, 10844), (372, 10850), (377, 10886), (380, 10922), (386, 10982), (389, 10997), (395, 11060), (410, 11141), (415, 11153), (434, 11234), (436, 11255),

Gene: Makar_43 Start: 20131, Stop: 22914, Start Num: 30
Candidate Starts for Makar_43:
(Start: 30 @20131 has 464 MA's), (77, 20323), (79, 20329), (82, 20335), (84, 20338), (93, 20359), (124, 20434), (128, 20446), (140, 20479), (154, 20539), (160, 20563), (162, 20575), (164, 20587), (187, 20656), (190, 20677), (197, 20707), (210, 20779), (211, 20788), (225, 20959), (235, 21085), (245, 21160), (274, 21235), (280, 21271), (296, 21394), (298, 21406), (299, 21409), (302, 21430), (315, 21517), (320, 21574), (322, 21580), (326, 21601), (327, 21604), (332, 21667), (339, 21724), (369, 22108), (375, 22147), (376, 22150), (377, 22156), (383, 22237), (385, 22255), (394, 22345), (397, 22363), (401, 22414), (403, 22420), (413, 22459), (446, 22696), (447, 22792), (448, 22813), (449, 22846), (450, 22879), (451, 22891), (452, 22897),

Gene: MakoManhole_11 Start: 8617, Stop: 11028, Start Num: 30
Candidate Starts for MakoManhole_11:
(Start: 30 @8617 has 464 MA's), (41, 8665), (73, 8812), (129, 8959), (137, 8992), (138, 8998), (143, 9019), (160, 9103), (166, 9136), (182, 9151), (202, 9253), (224, 9466), (243, 9673), (253, 9700), (266, 9772), (267, 9775), (268, 9781), (271, 9811), (277, 9847), (280, 9862), (284, 9883), (287, 9907), (288, 9913), (292, 9946), (295, 9967), (318, 10111), (320, 10123), (348, 10351), (350, 10393), (357, 10462), (363, 10507), (371, 10591), (377, 10633), (381, 10675), (410, 10879), (423, 10933),

Gene: Mana_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Mana_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Manad_9 Start: 6361, Stop: 8931, Start Num: 30
Candidate Starts for Manad_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Mao1_7 Start: 6054, Stop: 8549, Start Num: 3
Candidate Starts for Mao1_7:
(Start: 2 @6051 has 1 MA's), (Start: 3 @6054 has 3 MA's), (4, 6081), (6, 6168), (8, 6192), (10, 6249), (11, 6291), (12, 6330), (13, 6342), (15, 6387), (16, 6399), (17, 6411), (19, 6432), (23, 6552), (24, 6585), (33, 6684), (34, 6687), (38, 6708), (42, 6732), (51, 6774), (63, 6807), (67, 6837), (221, 6945), (228, 7038), (231, 7077), (236, 7143), (238, 7179), (243, 7224), (261, 7248), (268, 7302), (271, 7332), (275, 7353), (276, 7359), (283, 7398), (294, 7485), (300, 7524), (306, 7575), (318, 7629), (322, 7641), (335, 7752), (340, 7785), (364, 8049), (371, 8106), (374, 8133), (375, 8139), (380, 8184), (382, 8202), (387, 8250), (393, 8313), (394, 8319), (395, 8322), (399, 8355), (404, 8373), (410, 8400), (421, 8442), (427, 8466), (443, 8544),

Gene: Mariokart_9 Start: 7141, Stop: 9585, Start Num: 30
Candidate Starts for Mariokart_9:
(Start: 30 @7141 has 464 MA's), (Start: 31 @7144 has 1 MA's), (Start: 35 @7159 has 1 MA's), (46, 7225), (47, 7228), (53, 7246), (72, 7327), (89, 7378), (91, 7384), (120, 7453), (140, 7525), (141, 7528), (152, 7576), (155, 7597), (161, 7630), (185, 7681), (190, 7714), (198, 7744), (200, 7756), (202, 7771), (234, 8092), (243, 8230), (262, 8305), (266, 8329), (267, 8332), (268, 8338), (271, 8368), (275, 8389), (277, 8404), (280, 8419), (284, 8440), (291, 8500), (295, 8524), (303, 8587), (313, 8653), (318, 8668), (320, 8680), (333, 8788), (335, 8797), (341, 8845), (347, 8887), (352, 8965), (353, 8968), (363, 9061), (366, 9103), (380, 9226), (389, 9301), (391, 9322), (392, 9343), (396, 9373), (404, 9409), (406, 9424), (425, 9496),

Gene: Marley1013_12 Start: 8998, Stop: 11445, Start Num: 30
Candidate Starts for Marley1013_12:
(Start: 30 @8998 has 464 MA's), (Start: 49 @9097 has 2 MA's), (Start: 50 @9100 has 1 MA's), (62, 9145), (65, 9169), (66, 9172), (77, 9217), (92, 9256), (105, 9307), (118, 9337), (132, 9367), (140, 9394), (142, 9400), (155, 9466), (183, 9550), (185, 9556), (186, 9565), (187, 9568), (190, 9589), (202, 9646), (220, 9802), (223, 9862), (243, 10084), (271, 10180), (280, 10231), (288, 10282), (310, 10444), (320, 10501), (321, 10504), (323, 10513), (334, 10615), (346, 10708), (352, 10789), (380, 11047), (386, 11107), (389, 11122), (393, 11176), (405, 11260), (407, 11272), (425, 11341),

Gene: Marlia_12 Start: 8200, Stop: 10647, Start Num: 30
Candidate Starts for Marlia_12:
(Start: 30 @8200 has 464 MA's), (Start: 49 @8299 has 2 MA's), (Start: 50 @8302 has 1 MA's), (62, 8347), (65, 8371), (66, 8374), (73, 8404), (77, 8419), (92, 8458), (105, 8509), (118, 8539), (132, 8569), (140, 8596), (143, 8605), (155, 8668), (183, 8752), (185, 8758), (186, 8767), (187, 8770), (190, 8791), (202, 8848), (220, 9004), (223, 9064), (226, 9091), (243, 9286), (271, 9382), (280, 9433), (288, 9484), (310, 9646), (320, 9703), (321, 9706), (323, 9715), (334, 9817), (346, 9910), (352, 9991), (380, 10249), (386, 10309), (389, 10324), (393, 10378), (405, 10462), (407, 10474), (425, 10543),

Gene: Maru_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Maru_9:

(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Mask_8 Start: 6055, Stop: 8550, Start Num: 3
Candidate Starts for Mask_8:
(Start: 2 @6052 has 1 MA's), (Start: 3 @6055 has 3 MA's), (4, 6082), (6, 6169), (8, 6193), (10, 6250), (11, 6292), (12, 6331), (13, 6343), (15, 6388), (16, 6400), (17, 6412), (19, 6433), (23, 6553), (24, 6586), (33, 6685), (34, 6688), (38, 6709), (42, 6733), (51, 6775), (63, 6808), (67, 6838), (221, 6946), (228, 7039), (231, 7078), (236, 7144), (238, 7180), (243, 7225), (261, 7249), (268, 7303), (271, 7333), (275, 7354), (276, 7360), (283, 7399), (294, 7486), (300, 7525), (306, 7576), (318, 7630), (322, 7642), (335, 7753), (340, 7786), (364, 8050), (371, 8107), (374, 8134), (375, 8140), (380, 8185), (382, 8203), (387, 8251), (393, 8314), (394, 8320), (395, 8323), (399, 8356), (404, 8374), (410, 8401), (421, 8443), (427, 8467), (443, 8545),

Gene: Maskar_9 Start: 6357, Stop: 8927, Start Num: 30
Candidate Starts for Maskar_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: MasterPo_13 Start: 9617, Stop: 12064, Start Num: 30
Candidate Starts for MasterPo_13:
(Start: 30 @9617 has 464 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Matalotodo_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Matalotodo_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530),

(395, 8668), (402, 8734),

Gene: Mcshane_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Mcshane_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (89, 6598), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Mecca_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Mecca_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Megamind20_10 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Megamind20_10:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (89, 6598), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Megatron_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Megatron_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Melc17_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Melc17_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953),

(320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: MelsMeow_9 Start: 6357, Stop: 8933, Start Num: 30
Candidate Starts for MelsMeow_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Mesh1_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Mesh1_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Mesmerelda_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Mesmerelda_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: MichaelPhcott_9 Start: 6357, Stop: 8939, Start Num: 30
Candidate Starts for MichaelPhcott_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Mikota_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Mikota_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072),

(186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: MiniBoss_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for MiniBoss_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Minnow_8 Start: 7529, Stop: 9547, Start Num: 143
Candidate Starts for Minnow_8:
(Start: 30 @7142 has 464 MA's), (60, 7265), (63, 7280), (76, 7343), (89, 7376), (91, 7382), (107, 7424), (115, 7457), (138, 7508), (139, 7511), (143, 7529), (152, 7571), (155, 7592), (160, 7613), (164, 7637), (178, 7679), (186, 7715), (192, 7748), (200, 7781), (202, 7796), (203, 7799), (209, 7832), (228, 8045), (231, 8084), (243, 8228), (264, 8240), (267, 8261), (271, 8297), (280, 8348), (285, 8378), (294, 8450), (302, 8501), (308, 8546), (318, 8597), (320, 8609), (323, 8621), (329, 8654), (330, 8681), (335, 8726), (340, 8759), (342, 8780), (346, 8825), (351, 8903), (352, 8906), (357, 8957), (368, 9047), (377, 9128), (380, 9164), (391, 9260), (393, 9293), (395, 9302), (408, 9383), (412, 9395), (439, 9515),

Gene: MitKao_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for MitKao_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Mithril_10 Start: 8637, Stop: 11144, Start Num: 30
Candidate Starts for Mithril_10:
(Start: 30 @8637 has 464 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (391, 10863), (394, 10902), (395, 10905), (410, 10986), (426, 11049), (434, 11079), (436, 11100),

Gene: MmasiCarm_12 Start: 8208, Stop: 10640, Start Num: 30
Candidate Starts for MmasiCarm_12:

(Start: 30 @8208 has 464 MA's), (Start: 49 @8307 has 2 MA's), (Start: 50 @8310 has 1 MA's), (62, 8355), (65, 8379), (66, 8382), (73, 8412), (77, 8427), (92, 8466), (105, 8517), (118, 8547), (132, 8577), (140, 8604), (142, 8610), (155, 8676), (183, 8760), (185, 8766), (186, 8775), (187, 8778), (190, 8799), (202, 8856), (220, 9012), (223, 9072), (243, 9294), (271, 9390), (280, 9441), (288, 9492), (310, 9654), (320, 9711), (321, 9714), (323, 9723), (334, 9825), (346, 9918), (352, 9999), (380, 10257), (386, 10317), (389, 10332), (393, 10386), (405, 10470), (407, 10482), (425, 10551),

Gene: Morgushi_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Morgushi_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Mortcellus_11 Start: 8846, Stop: 11278, Start Num: 30
Candidate Starts for Mortcellus_11:
(Start: 30 @8846 has 464 MA's), (Start: 49 @8945 has 2 MA's), (Start: 50 @8948 has 1 MA's), (62, 8993), (65, 9017), (66, 9020), (73, 9050), (77, 9065), (92, 9104), (105, 9155), (118, 9185), (132, 9215), (140, 9242), (142, 9248), (155, 9314), (183, 9398), (185, 9404), (186, 9413), (187, 9416), (190, 9437), (202, 9494), (220, 9650), (223, 9710), (243, 9932), (271, 10028), (280, 10079), (288, 10130), (310, 10292), (320, 10349), (321, 10352), (323, 10361), (334, 10463), (346, 10556), (352, 10637), (380, 10895), (386, 10955), (389, 10970), (393, 11024), (405, 11108), (407, 11120), (425, 11189),

Gene: Morty_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Morty_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Morty007_12 Start: 8998, Stop: 11445, Start Num: 30
Candidate Starts for Morty007_12:
(Start: 30 @8998 has 464 MA's), (Start: 49 @9097 has 2 MA's), (Start: 50 @9100 has 1 MA's), (62, 9145), (65, 9169), (66, 9172), (77, 9217), (92, 9256), (105, 9307), (118, 9337), (132, 9367), (140, 9394), (142, 9400), (155, 9466), (183, 9550), (185, 9556), (186, 9565), (187, 9568), (190, 9589), (202, 9646), (220, 9802), (223, 9862), (243, 10084), (271, 10180), (280, 10231), (288, 10282), (310, 10444), (320, 10501), (321, 10504), (323, 10513), (334, 10615), (346, 10708), (352, 10789), (380, 11047), (386, 11107), (389, 11122), (393, 11176), (405, 11260), (407, 11272), (425, 11341),

Gene: Mosaic_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Mosaic_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453),

(238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: MossRose_11 Start: 8617, Stop: 11028, Start Num: 30
Candidate Starts for MossRose_11:
(Start: 30 @8617 has 464 MA's), (41, 8665), (73, 8812), (129, 8959), (137, 8992), (138, 8998), (143, 9019), (160, 9103), (166, 9136), (182, 9151), (202, 9253), (224, 9466), (243, 9673), (253, 9700), (266, 9772), (267, 9775), (268, 9781), (271, 9811), (277, 9847), (280, 9862), (284, 9883), (287, 9907), (288, 9913), (292, 9946), (295, 9967), (318, 10111), (320, 10123), (348, 10351), (357, 10462), (363, 10507), (371, 10591), (377, 10633), (381, 10675), (410, 10879), (423, 10933),

Gene: MrPhizzler_9 Start: 6356, Stop: 8929, Start Num: 30
Candidate Starts for MrPhizzler_9:
(22, 6227), (Start: 30 @6356 has 464 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (167, 6974), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (209, 7196), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (313, 7952), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (395, 8663), (402, 8729),

Gene: Mudslide_10 Start: 8885, Stop: 11392, Start Num: 30
Candidate Starts for Mudslide_10:
(Start: 30 @8885 has 464 MA's), (39, 8927), (44, 8960), (63, 9050), (76, 9113), (81, 9128), (85, 9137), (89, 9146), (94, 9164), (95, 9173), (101, 9185), (122, 9236), (124, 9239), (143, 9302), (145, 9311), (152, 9344), (155, 9365), (156, 9368), (157, 9374), (159, 9383), (160, 9386), (164, 9410), (169, 9434), (171, 9449), (174, 9467), (176, 9473), (186, 9518), (192, 9551), (202, 9599), (203, 9602), (211, 9641), (243, 10016), (271, 10157), (276, 10184), (279, 10205), (280, 10208), (287, 10253), (290, 10277), (302, 10361), (317, 10451), (320, 10469), (328, 10511), (330, 10541), (335, 10586), (340, 10619), (341, 10634), (346, 10676), (348, 10697), (351, 10754), (352, 10757), (355, 10787), (357, 10808), (361, 10838), (363, 10853), (364, 10880), (371, 10937), (372, 10943), (377, 10979), (380, 11015), (386, 11075), (391, 11111), (394, 11150), (395, 11153), (410, 11234), (415, 11246), (426, 11297), (434, 11327), (436, 11348),

Gene: Mulan_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Mulan_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Mulaychimus_12 Start: 8209, Stop: 10641, Start Num: 30
Candidate Starts for Mulaychimus_12:
(Start: 30 @8209 has 464 MA's), (Start: 49 @8308 has 2 MA's), (Start: 50 @8311 has 1 MA's), (62, 8356), (65, 8380), (66, 8383), (73, 8413), (77, 8428), (92, 8467), (105, 8518), (118, 8548), (132, 8578), (140, 8605), (142, 8611), (155, 8677), (183, 8761), (185, 8767), (186, 8776), (187, 8779), (190, 8800),

(202, 8857), (220, 9013), (223, 9073), (226, 9100), (243, 9295), (271, 9391), (280, 9442), (288, 9493), (310, 9655), (320, 9712), (321, 9715), (323, 9724), (334, 9826), (346, 9919), (352, 10000), (380, 10258), (386, 10318), (389, 10333), (393, 10387), (405, 10471), (407, 10483), (425, 10552),

Gene: Murdoc_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Murdoc_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Mutante_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Mutante_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Mysterious_11 Start: 8833, Stop: 11310, Start Num: 30
Candidate Starts for Mysterious_11:
(Start: 29 @8830 has 2 MA's), (Start: 30 @8833 has 464 MA's), (45, 8911), (46, 8923), (47, 8926), (75, 9031), (112, 9145), (129, 9172), (143, 9223), (160, 9307), (161, 9319), (164, 9331), (168, 9340), (185, 9397), (186, 9406), (200, 9472), (202, 9487), (203, 9490), (205, 9505), (211, 9535), (217, 9604), (226, 9724), (243, 9907), (266, 10036), (270, 10054), (271, 10075), (280, 10126), (281, 10132), (292, 10219), (317, 10378), (320, 10396), (329, 10441), (334, 10510), (341, 10561), (345, 10594), (346, 10603), (352, 10684), (364, 10807), (371, 10864), (372, 10870), (373, 10885), (379, 10936), (380, 10942), (386, 11002), (392, 11059), (410, 11158),

Gene: NHagos_9 Start: 7095, Stop: 9512, Start Num: 30
Candidate Starts for NHagos_9:
(Start: 30 @7095 has 464 MA's), (36, 7125), (53, 7200), (77, 7302), (78, 7305), (84, 7320), (85, 7323), (90, 7341), (119, 7419), (149, 7527), (157, 7569), (166, 7614), (181, 7626), (182, 7632), (183, 7638), (187, 7656), (188, 7659), (195, 7695), (202, 7734), (216, 7842), (243, 8157), (263, 8232), (266, 8256), (267, 8259), (268, 8265), (271, 8295), (277, 8331), (280, 8346), (281, 8352), (284, 8367), (288, 8397), (292, 8430), (295, 8451), (306, 8538), (318, 8595), (320, 8607), (351, 8892), (357, 8946), (368, 9036), (377, 9117), (381, 9159), (410, 9363), (423, 9417), (425, 9423), (442, 9501),

Gene: Nacho_009 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Nacho_009:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253),

(352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Nanao_9 Start: 7532, Stop: 10039, Start Num: 30
Candidate Starts for Nanao_9:
(Start: 30 @7532 has 464 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Nangang_11 Start: 8567, Stop: 11071, Start Num: 30
Candidate Starts for Nangang_11:
(Start: 29 @8564 has 2 MA's), (Start: 30 @8567 has 464 MA's), (41, 8621), (45, 8645), (53, 8678), (63, 8714), (112, 8888), (124, 8903), (135, 8936), (143, 8966), (164, 9074), (178, 9137), (179, 9140), (185, 9164), (186, 9173), (187, 9176), (190, 9197), (211, 9302), (226, 9491), (243, 9674), (266, 9797), (270, 9815), (271, 9836), (280, 9887), (281, 9893), (292, 9980), (317, 10139), (320, 10157), (329, 10202), (334, 10271), (340, 10307), (341, 10322), (346, 10364), (352, 10445), (364, 10568), (371, 10625), (372, 10631), (380, 10703), (392, 10820), (410, 10919),

Gene: Nathan_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Nathan_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (395, 8665), (402, 8731),

Gene: Nehemiah_10 Start: 8833, Stop: 11310, Start Num: 30
Candidate Starts for Nehemiah_10:
(Start: 29 @8830 has 2 MA's), (Start: 30 @8833 has 464 MA's), (45, 8911), (46, 8923), (47, 8926), (75, 9031), (112, 9145), (129, 9172), (143, 9223), (160, 9307), (161, 9319), (164, 9331), (168, 9340), (185, 9397), (186, 9406), (200, 9472), (202, 9487), (203, 9490), (205, 9505), (211, 9535), (217, 9604), (226, 9724), (243, 9907), (266, 10036), (270, 10054), (271, 10075), (280, 10126), (281, 10132), (292, 10219), (317, 10378), (320, 10396), (329, 10441), (334, 10510), (341, 10561), (345, 10594), (346, 10603), (352, 10684), (364, 10807), (371, 10864), (372, 10870), (373, 10885), (379, 10936), (380, 10942), (386, 11002), (392, 11059), (410, 11158),

Gene: Nehme_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Nehme_9:
(Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252),

(352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Neos5_12 Start: 8998, Stop: 11430, Start Num: 30
Candidate Starts for Neos5_12:
(Start: 30 @8998 has 464 MA's), (Start: 49 @9097 has 2 MA's), (Start: 50 @9100 has 1 MA's), (62, 9145), (65, 9169), (66, 9172), (77, 9217), (92, 9256), (105, 9307), (118, 9337), (132, 9367), (140, 9394), (142, 9400), (155, 9466), (183, 9550), (185, 9556), (186, 9565), (187, 9568), (190, 9589), (202, 9646), (211, 9700), (220, 9802), (223, 9862), (226, 9889), (243, 10084), (271, 10180), (280, 10231), (288, 10282), (310, 10444), (320, 10501), (321, 10504), (323, 10513), (334, 10615), (346, 10708), (352, 10789), (380, 11047), (386, 11107), (389, 11122), (393, 11176), (405, 11260), (407, 11272), (425, 11341),

Gene: Newman_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Newman_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: NiaNia_10 Start: 6774, Stop: 8933, Start Num: 122
Candidate Starts for NiaNia_10:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Nicole21_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Nicole21_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Nigel_8 Start: 7444, Stop: 9942, Start Num: 30
Candidate Starts for Nigel_8:
(Start: 28 @7438 has 1 MA's), (Start: 30 @7444 has 464 MA's), (39, 7486), (44, 7519), (63, 7609), (76, 7672), (81, 7687), (85, 7696), (89, 7705), (94, 7723), (95, 7732), (101, 7744), (106, 7759), (143, 7861), (145, 7870), (152, 7903), (155, 7924), (157, 7933), (159, 7942), (160, 7945), (164, 7969), (165, 7978), (171, 8008), (174, 8026), (176, 8032), (178, 8041), (186, 8077), (192, 8110), (202, 8158), (203, 8161), (209, 8188), (211, 8200), (222, 8341), (231, 8440), (243, 8575), (265, 8653), (271, 8707), (276, 8734),

(279, 8755), (280, 8758), (287, 8803), (290, 8827), (317, 9001), (320, 9019), (328, 9061), (329, 9064), (330, 9091), (335, 9136), (340, 9169), (346, 9226), (351, 9304), (352, 9307), (355, 9337), (361, 9388), (363, 9403), (364, 9430), (367, 9442), (371, 9487), (372, 9493), (377, 9529), (380, 9565), (386, 9625), (389, 9640), (391, 9661), (395, 9703), (396, 9712), (404, 9757), (410, 9784), (415, 9796), (424, 9841), (426, 9847), (434, 9877), (436, 9898),

Gene: Nova1_9 Start: 6359, Stop: 8941, Start Num: 30
Candidate Starts for Nova1_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Nozo_12 Start: 8973, Stop: 11405, Start Num: 30
Candidate Starts for Nozo_12:
(Start: 30 @8973 has 464 MA's), (Start: 49 @9072 has 2 MA's), (Start: 50 @9075 has 1 MA's), (62, 9120), (65, 9144), (66, 9147), (77, 9192), (92, 9231), (105, 9282), (118, 9312), (132, 9342), (140, 9369), (142, 9375), (155, 9441), (183, 9525), (185, 9531), (186, 9540), (187, 9543), (190, 9564), (202, 9621), (220, 9777), (223, 9837), (243, 10059), (271, 10155), (280, 10206), (288, 10257), (310, 10419), (320, 10476), (321, 10479), (323, 10488), (334, 10590), (346, 10683), (352, 10764), (380, 11022), (386, 11082), (389, 11097), (393, 11151), (405, 11235), (407, 11247), (425, 11316),

Gene: Numberten_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Numberten_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Nyala_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Nyala_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (89, 6598), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: OSmaximus_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for OSmaximus_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048),

(185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (395, 8665), (402, 8731),

Gene: Obutu_12 Start: 8209, Stop: 10656, Start Num: 30
Candidate Starts for Obutu_12:
(Start: 30 @8209 has 464 MA's), (Start: 49 @8308 has 2 MA's), (Start: 50 @8311 has 1 MA's), (62, 8356), (65, 8380), (66, 8383), (73, 8413), (77, 8428), (92, 8467), (105, 8518), (118, 8548), (132, 8578), (140, 8605), (142, 8611), (155, 8677), (185, 8767), (186, 8776), (187, 8779), (190, 8800), (202, 8857), (211, 8911), (220, 9013), (223, 9073), (226, 9100), (243, 9295), (271, 9391), (280, 9442), (288, 9493), (310, 9655), (320, 9712), (321, 9715), (323, 9724), (334, 9826), (346, 9919), (352, 10000), (380, 10258), (386, 10318), (389, 10333), (393, 10387), (405, 10471), (407, 10483), (425, 10552),

Gene: Olak_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Olak_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Oline_9 Start: 6357, Stop: 8939, Start Num: 30
Candidate Starts for Oline_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Olive_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Olive_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: OliverWalter_9 Start: 6356, Stop: 8929, Start Num: 30
Candidate Starts for OliverWalter_9:
(22, 6227), (Start: 30 @6356 has 464 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (89, 6593), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (179, 7046), (185,

7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (395, 8663), (402, 8729),

Gene: Olivio_11 Start: 8057, Stop: 10489, Start Num: 30
Candidate Starts for Olivio_11:
(Start: 30 @8057 has 464 MA's), (Start: 49 @8156 has 2 MA's), (Start: 50 @8159 has 1 MA's), (62, 8204), (65, 8228), (73, 8261), (77, 8276), (92, 8315), (105, 8366), (118, 8396), (132, 8426), (140, 8453), (143, 8462), (155, 8525), (183, 8609), (185, 8615), (186, 8624), (187, 8627), (190, 8648), (202, 8705), (220, 8861), (223, 8921), (243, 9143), (271, 9239), (280, 9290), (288, 9341), (310, 9503), (320, 9560), (321, 9563), (323, 9572), (334, 9674), (346, 9767), (352, 9848), (380, 10106), (386, 10166), (389, 10181), (393, 10235), (405, 10319), (407, 10331), (425, 10400),

Gene: Omniscient_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Omniscient_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: OneBrain_10 Start: 6737, Stop: 8932, Start Num: 114
Candidate Starts for OneBrain_10:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Oosterbaan_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Oosterbaan_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Opia_13 Start: 9617, Stop: 12064, Start Num: 30
Candidate Starts for Opia_13:
(Start: 30 @9617 has 464 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222,

10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: OrangeOswald_12 Start: 8208, Stop: 10640, Start Num: 30
Candidate Starts for OrangeOswald_12:
(Start: 30 @8208 has 464 MA's), (Start: 49 @8307 has 2 MA's), (Start: 50 @8310 has 1 MA's), (62, 8355), (65, 8379), (66, 8382), (77, 8427), (92, 8466), (105, 8517), (118, 8547), (132, 8577), (140, 8604), (142, 8610), (155, 8676), (183, 8760), (185, 8766), (186, 8775), (187, 8778), (190, 8799), (202, 8856), (220, 9012), (223, 9072), (243, 9294), (271, 9390), (280, 9441), (288, 9492), (310, 9654), (320, 9711), (321, 9714), (323, 9723), (334, 9825), (346, 9918), (352, 9999), (380, 10257), (386, 10317), (389, 10332), (393, 10386), (405, 10470), (407, 10482), (425, 10551),

Gene: Orfeu_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Orfeu_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Orion_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Orion_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Orwigg_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Orwigg_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: PG1_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for PG1_9:

(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Pacifista_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Pacifista_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: PallasAthena_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for PallasAthena_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (209, 7201), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (313, 7957), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (395, 8668), (402, 8734),

Gene: PenguinLover67_13 Start: 9486, Stop: 11948, Start Num: 30
Candidate Starts for PenguinLover67_13:
(22, 9357), (Start: 30 @9486 has 464 MA's), (44, 9561), (46, 9576), (71, 9669), (76, 9690), (80, 9702), (101, 9762), (122, 9804), (140, 9861), (142, 9867), (160, 9954), (164, 9978), (170, 10011), (175, 10026), (179, 10041), (186, 10074), (202, 10155), (211, 10197), (217, 10266), (224, 10365), (243, 10581), (259, 10626), (271, 10719), (278, 10761), (279, 10767), (280, 10770), (288, 10821), (292, 10854), (294, 10872), (303, 10938), (317, 11013), (318, 11019), (330, 11103), (331, 11109), (346, 11238), (351, 11313), (352, 11316), (355, 11346), (357, 11367), (363, 11412), (371, 11496), (377, 11538), (389, 11649), (391, 11670), (393, 11703), (395, 11712), (410, 11787), (436, 11910),

Gene: Phaedrus_11 Start: 8125, Stop: 10557, Start Num: 30
Candidate Starts for Phaedrus_11:
(Start: 30 @8125 has 464 MA's), (Start: 49 @8224 has 2 MA's), (Start: 50 @8227 has 1 MA's), (62, 8272), (65, 8296), (66, 8299), (73, 8329), (77, 8344), (92, 8383), (105, 8434), (118, 8464), (132, 8494), (140, 8521), (142, 8527), (155, 8593), (183, 8677), (185, 8683), (186, 8692), (187, 8695), (190, 8716), (202, 8773), (220, 8929), (223, 8989), (243, 9211), (271, 9307), (280, 9358), (288, 9409), (310, 9571), (320, 9628), (321, 9631), (323, 9640), (334, 9742), (346, 9835), (352, 9916), (380, 10174), (386, 10234), (389, 10249), (393, 10303), (405, 10387), (407, 10399), (425, 10468),

Gene: Phamished_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Phamished_9:

(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Phantasmagoria_13 Start: 9617, Stop: 12064, Start Num: 30
Candidate Starts for Phantasmagoria_13:
(Start: 30 @9617 has 464 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Phareon_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Phareon_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: PhatCats2014_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for PhatCats2014_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: PhatLouie_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for PhatLouie_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484),

(377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Phayeta_12 Start: 8084, Stop: 10516, Start Num: 30
Candidate Starts for Phayeta_12:
(Start: 30 @8084 has 464 MA's), (Start: 49 @8183 has 2 MA's), (Start: 50 @8186 has 1 MA's), (62, 8231), (65, 8255), (66, 8258), (73, 8288), (77, 8303), (92, 8342), (105, 8393), (118, 8423), (132, 8453), (140, 8480), (143, 8489), (155, 8552), (183, 8636), (185, 8642), (186, 8651), (187, 8654), (190, 8675), (202, 8732), (211, 8786), (220, 8888), (223, 8948), (243, 9170), (271, 9266), (280, 9317), (288, 9368), (310, 9530), (320, 9587), (321, 9590), (323, 9599), (334, 9701), (346, 9794), (352, 9875), (380, 10133), (386, 10193), (389, 10208), (393, 10262), (405, 10346), (407, 10358), (425, 10427),

Gene: Phelemich_11 Start: 8836, Stop: 11313, Start Num: 30
Candidate Starts for Phelemich_11:
(Start: 29 @8833 has 2 MA's), (Start: 30 @8836 has 464 MA's), (45, 8914), (46, 8926), (47, 8929), (54, 8950), (75, 9034), (112, 9148), (129, 9175), (143, 9226), (160, 9310), (161, 9322), (164, 9334), (168, 9343), (179, 9376), (185, 9400), (186, 9409), (200, 9475), (202, 9490), (203, 9493), (205, 9508), (211, 9538), (217, 9607), (226, 9727), (243, 9910), (266, 10039), (270, 10057), (271, 10078), (280, 10129), (281, 10135), (292, 10222), (317, 10381), (320, 10399), (329, 10444), (334, 10513), (340, 10549), (341, 10564), (346, 10606), (351, 10684), (352, 10687), (364, 10810), (371, 10867), (372, 10873), (373, 10888), (380, 10945), (386, 11005), (392, 11062), (410, 11161), (431, 11245),

Gene: PhenghisKhan_9 Start: 6357, Stop: 8939, Start Num: 30
Candidate Starts for PhenghisKhan_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Pherdinand_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Pherdinand_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Phergie_9 Start: 6357, Stop: 8933, Start Num: 30
Candidate Starts for Phergie_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Philly_11 Start: 8098, Stop: 10530, Start Num: 30
Candidate Starts for Philly_11:
(Start: 30 @8098 has 464 MA's), (Start: 49 @8197 has 2 MA's), (Start: 50 @8200 has 1 MA's), (62, 8245), (65, 8269), (66, 8272), (77, 8317), (92, 8356), (105, 8407), (118, 8437), (132, 8467), (140, 8494), (142, 8500), (155, 8566), (183, 8650), (185, 8656), (186, 8665), (187, 8668), (190, 8689), (202, 8746), (220, 8902), (223, 8962), (243, 9184), (271, 9280), (280, 9331), (288, 9382), (310, 9544), (320, 9601), (321, 9604), (323, 9613), (334, 9715), (346, 9808), (352, 9889), (380, 10147), (386, 10207), (389, 10222), (393, 10276), (405, 10360), (407, 10372), (425, 10441),

Gene: Phipps_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Phipps_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Phleuron_9 Start: 6357, Stop: 8939, Start Num: 30
Candidate Starts for Phleuron_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Phlyer_12 Start: 8965, Stop: 11397, Start Num: 30
Candidate Starts for Phlyer_12:
(Start: 30 @8965 has 464 MA's), (Start: 49 @9064 has 2 MA's), (Start: 50 @9067 has 1 MA's), (62, 9112), (65, 9136), (66, 9139), (73, 9169), (77, 9184), (92, 9223), (105, 9274), (118, 9304), (132, 9334), (140, 9361), (143, 9370), (155, 9433), (183, 9517), (185, 9523), (186, 9532), (187, 9535), (190, 9556), (202, 9613), (211, 9667), (220, 9769), (223, 9829), (226, 9856), (243, 10051), (271, 10147), (280, 10198), (288, 10249), (310, 10411), (321, 10471), (323, 10480), (334, 10582), (346, 10675), (352, 10756), (380, 11014), (386, 11074), (389, 11089), (393, 11143), (405, 11227), (407, 11239), (425, 11308),

Gene: PhrankReynolds_9 Start: 6357, Stop: 8939, Start Num: 30
Candidate Starts for PhrankReynolds_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: PhrodoBaggins_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for PhrodoBaggins_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (88, 6594), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Phunky_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Phunky_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Piglet_009 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Piglet_009:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Pine5_12 Start: 8444, Stop: 10870, Start Num: 29
Candidate Starts for Pine5_12:
(Start: 29 @8444 has 2 MA's), (43, 8516), (56, 8567), (73, 8645), (74, 8648), (102, 8744), (104, 8756), (138, 8852), (153, 8924), (155, 8936), (160, 8957), (161, 8969), (201, 9113), (208, 9155), (218, 9266), (227, 9374), (232, 9419), (235, 9476), (243, 9545), (263, 9572), (274, 9650), (280, 9686), (285, 9716), (294, 9788), (307, 9881), (319, 9953), (320, 9959), (327, 9989), (337, 10088), (352, 10253), (354, 10268), (375, 10460), (379, 10499), (389, 10580), (392, 10628), (411, 10724), (415, 10733), (435, 10829),

Gene: PinheadLarry_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for PinheadLarry_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Pinkman_9 Start: 6735, Stop: 8939, Start Num: 114
Candidate Starts for Pinkman_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Pipefish_12 Start: 9094, Stop: 11526, Start Num: 30
Candidate Starts for Pipefish_12:
(Start: 30 @9094 has 464 MA's), (Start: 49 @9193 has 2 MA's), (Start: 50 @9196 has 1 MA's), (62, 9241), (65, 9265), (66, 9268), (73, 9298), (77, 9313), (92, 9352), (105, 9403), (118, 9433), (132, 9463), (140, 9490), (142, 9496), (155, 9562), (185, 9652), (186, 9661), (187, 9664), (190, 9685), (202, 9742), (211, 9796), (220, 9898), (223, 9958), (226, 9985), (243, 10180), (271, 10276), (280, 10327), (288, 10378), (310, 10540), (320, 10597), (321, 10600), (323, 10609), (334, 10711), (346, 10804), (352, 10885), (380, 11143), (386, 11203), (389, 11218), (393, 11272), (405, 11356), (407, 11368), (425, 11437),

Gene: Pipsqueak_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Pipsqueak_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Placalicious_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Placalicious_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Plata_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Plata_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Plmatters_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Plmatters_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Podrick_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Podrick_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Pops_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Pops_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Poster_9 Start: 7532, Stop: 10039, Start Num: 30
Candidate Starts for Poster_9:
(Start: 30 @7532 has 464 MA's), (39, 7574), (44, 7607), (63, 7697), (76, 7760), (81, 7775), (85, 7784), (89, 7793), (94, 7811), (95, 7820), (101, 7832), (106, 7847), (143, 7949), (145, 7958), (152, 7991), (155, 8012), (157, 8021), (159, 8030), (160, 8033), (164, 8057), (165, 8066), (167, 8072), (171, 8096), (174, 8114), (176, 8120), (178, 8129), (186, 8165), (192, 8198), (202, 8246), (203, 8249), (211, 8288), (219, 8387), (243, 8663), (271, 8804), (276, 8831), (279, 8852), (280, 8855), (287, 8900), (290, 8924), (302, 9008), (317, 9098), (320, 9116), (328, 9158), (330, 9188), (335, 9233), (340, 9266), (341, 9281), (346, 9323), (348, 9344), (351, 9401), (352, 9404), (355, 9434), (357, 9455), (361, 9485), (363, 9500), (364, 9527), (367, 9539), (371, 9584), (372, 9590), (377, 9626), (380, 9662), (386, 9722), (389, 9737), (391, 9758), (395, 9800), (410, 9881), (415, 9893), (434, 9974), (436, 9995),

Gene: Potter_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Potter_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984),

(321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Prickles_9 Start: 6366, Stop: 8939, Start Num: 30
Candidate Starts for Prickles_9:
(22, 6237), (Start: 30 @6366 has 464 MA's), (40, 6417), (42, 6429), (45, 6444), (Start: 50 @6468 has 1 MA's), (65, 6528), (71, 6549), (94, 6621), (101, 6651), (113, 6729), (Start: 114 @6744 has 1 MA's), (122, 6780), (128, 6795), (133, 6816), (158, 6936), (159, 6942), (160, 6945), (179, 7056), (185, 7080), (186, 7089), (189, 7110), (200, 7155), (202, 7170), (211, 7218), (215, 7233), (231, 7458), (238, 7557), (243, 7602), (271, 7680), (276, 7707), (280, 7731), (292, 7815), (302, 7884), (320, 7989), (321, 7992), (328, 8031), (329, 8034), (334, 8103), (335, 8106), (340, 8139), (346, 8196), (350, 8259), (352, 8277), (357, 8328), (361, 8358), (368, 8418), (371, 8457), (375, 8490), (377, 8499), (380, 8535), (388, 8604), (395, 8673), (402, 8739),

Gene: Prince_10 Start: 8797, Stop: 11304, Start Num: 30
Candidate Starts for Prince_10:
(Start: 30 @8797 has 464 MA's), (39, 8839), (44, 8872), (63, 8962), (76, 9025), (81, 9040), (85, 9049), (89, 9058), (94, 9076), (95, 9085), (101, 9097), (122, 9148), (124, 9151), (143, 9214), (145, 9223), (152, 9256), (155, 9277), (156, 9280), (157, 9286), (159, 9295), (160, 9298), (164, 9322), (169, 9346), (171, 9361), (174, 9379), (176, 9385), (186, 9430), (192, 9463), (202, 9511), (203, 9514), (211, 9553), (243, 9928), (271, 10069), (276, 10096), (279, 10117), (280, 10120), (287, 10165), (290, 10189), (302, 10273), (317, 10363), (320, 10381), (328, 10423), (330, 10453), (335, 10498), (340, 10531), (341, 10546), (346, 10588), (348, 10609), (351, 10666), (352, 10669), (355, 10699), (357, 10720), (361, 10750), (363, 10765), (364, 10792), (371, 10849), (372, 10855), (377, 10891), (380, 10927), (386, 10987), (391, 11023), (394, 11062), (395, 11065), (410, 11146), (415, 11158), (426, 11209), (434, 11239), (436, 11260),

Gene: PrinceCharming_13 Start: 9734, Stop: 12181, Start Num: 30
Candidate Starts for PrinceCharming_13:
(Start: 30 @9734 has 464 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: ProfessorX_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for ProfessorX_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Puhltonio_9 Start: 6360, Stop: 8933, Start Num: 30

Candidate Starts for Puhltonio_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Purplicious_40 Start: 19402, Stop: 22182, Start Num: 30
Candidate Starts for Purplicious_40:
(Start: 30 @19402 has 464 MA's), (32, 19411), (53, 19510), (68, 19570), (82, 19606), (84, 19609), (93, 19630), (103, 19669), (160, 19834), (162, 19846), (164, 19858), (183, 19909), (187, 19927), (194, 19966), (225, 20230), (230, 20299), (235, 20356), (245, 20431), (274, 20506), (280, 20542), (296, 20665), (302, 20701), (312, 20767), (315, 20788), (320, 20842), (322, 20848), (327, 20872), (344, 21034), (375, 21415), (376, 21418), (377, 21424), (383, 21505), (394, 21613), (401, 21682), (403, 21688), (413, 21727), (445, 21904), (447, 22060), (448, 22081), (449, 22114), (450, 22147), (452, 22165),

Gene: QueenBeane_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for QueenBeane_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: QueenPie_10 Start: 8490, Stop: 10997, Start Num: 30
Candidate Starts for QueenPie_10:
(Start: 30 @8490 has 464 MA's), (39, 8532), (44, 8565), (63, 8655), (76, 8718), (81, 8733), (85, 8742), (89, 8751), (94, 8769), (95, 8778), (101, 8790), (106, 8805), (143, 8907), (145, 8916), (152, 8949), (155, 8970), (157, 8979), (159, 8988), (160, 8991), (164, 9015), (165, 9024), (167, 9030), (171, 9054), (174, 9072), (176, 9078), (178, 9087), (186, 9123), (192, 9156), (202, 9204), (203, 9207), (211, 9246), (219, 9345), (243, 9621), (271, 9762), (276, 9789), (279, 9810), (280, 9813), (287, 9858), (290, 9882), (302, 9966), (317, 10056), (320, 10074), (328, 10116), (330, 10146), (335, 10191), (340, 10224), (341, 10239), (346, 10281), (348, 10302), (351, 10359), (352, 10362), (355, 10392), (357, 10413), (361, 10443), (363, 10458), (364, 10485), (371, 10542), (372, 10548), (377, 10584), (380, 10620), (386, 10680), (389, 10695), (391, 10716), (395, 10758), (410, 10839), (415, 10851), (434, 10932), (436, 10953),

Gene: Quesadilla_12 Start: 9299, Stop: 11758, Start Num: 30
Candidate Starts for Quesadilla_12:
(Start: 30 @9299 has 464 MA's), (43, 9368), (44, 9374), (46, 9389), (Start: 49 @9398 has 2 MA's), (71, 9482), (76, 9503), (80, 9515), (89, 9536), (101, 9575), (108, 9593), (122, 9617), (140, 9674), (142, 9680), (148, 9707), (155, 9746), (164, 9791), (179, 9854), (186, 9887), (211, 10010), (224, 10178), (231, 10250), (236, 10313), (243, 10394), (271, 10529), (280, 10580), (287, 10625), (288, 10631), (292, 10664), (303, 10748), (317, 10823), (318, 10829), (330, 10913), (340, 10991), (346, 11048), (351, 11123), (352, 11126), (355, 11156), (357, 11177), (371, 11306), (377, 11348), (393, 11513), (410, 11597), (415, 11609), (426, 11660),

Gene: Quisquiliae_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Quisquiliae_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Qyrzula_13 Start: 9707, Stop: 12154, Start Num: 30
Candidate Starts for Qyrzula_13:
(Start: 30 @9707 has 464 MA's), (41, 9761), (54, 9821), (76, 9914), (78, 9920), (84, 9935), (91, 9956), (96, 9986), (116, 10067), (117, 10070), (120, 10079), (131, 10106), (137, 10133), (157, 10205), (160, 10217), (164, 10235), (167, 10241), (178, 10304), (190, 10349), (200, 10391), (205, 10421), (222, 10592), (223, 10613), (224, 10619), (231, 10691), (236, 10754), (241, 10832), (244, 10838), (266, 10889), (271, 10928), (275, 10949), (276, 10955), (280, 10979), (288, 11030), (289, 11033), (292, 11063), (300, 11120), (302, 11132), (303, 11147), (307, 11174), (314, 11216), (323, 11261), (324, 11264), (329, 11294), (333, 11357), (334, 11363), (335, 11366), (338, 11378), (348, 11474), (350, 11516), (357, 11585), (358, 11591), (364, 11663), (370, 11717), (377, 11762), (378, 11765), (379, 11792), (386, 11858), (389, 11873), (391, 11894), (394, 11933), (404, 11987), (410, 12014), (415, 12026), (427, 12074),

Gene: RagingRooster_12 Start: 8209, Stop: 10641, Start Num: 30
Candidate Starts for RagingRooster_12:
(Start: 30 @8209 has 464 MA's), (Start: 49 @8308 has 2 MA's), (Start: 50 @8311 has 1 MA's), (62, 8356), (65, 8380), (66, 8383), (77, 8428), (92, 8467), (105, 8518), (118, 8548), (132, 8578), (140, 8605), (142, 8611), (155, 8677), (183, 8761), (185, 8767), (186, 8776), (187, 8779), (190, 8800), (202, 8857), (220, 9013), (223, 9073), (243, 9295), (271, 9391), (280, 9442), (288, 9493), (310, 9655), (320, 9712), (321, 9715), (323, 9724), (334, 9826), (346, 9919), (352, 10000), (380, 10258), (386, 10318), (389, 10333), (393, 10387), (405, 10471), (407, 10483), (425, 10552),

Gene: RawrgerThat_10 Start: 8628, Stop: 11135, Start Num: 30
Candidate Starts for RawrgerThat_10:
(Start: 30 @8628 has 464 MA's), (39, 8670), (63, 8793), (76, 8856), (81, 8871), (85, 8880), (89, 8889), (94, 8907), (95, 8916), (101, 8928), (122, 8979), (124, 8982), (143, 9045), (145, 9054), (152, 9087), (154, 9105), (155, 9108), (157, 9117), (160, 9129), (161, 9141), (171, 9192), (186, 9261), (192, 9294), (202, 9342), (203, 9345), (211, 9384), (243, 9759), (271, 9900), (276, 9927), (278, 9942), (279, 9948), (280, 9951), (287, 9996), (290, 10020), (302, 10104), (317, 10194), (320, 10212), (328, 10254), (330, 10284), (335, 10329), (340, 10362), (341, 10377), (345, 10410), (346, 10419), (348, 10440), (351, 10497), (352, 10500), (355, 10530), (357, 10551), (361, 10581), (363, 10596), (364, 10623), (371, 10680), (372, 10686), (377, 10722), (380, 10758), (386, 10818), (389, 10833), (393, 10887), (395, 10896), (410, 10977), (415, 10989), (434, 11070), (436, 11091),

Gene: Reccee_11 Start: 8740, Stop: 11250, Start Num: 30
Candidate Starts for Reccee_11:
(Start: 29 @8737 has 2 MA's), (Start: 30 @8740 has 464 MA's), (41, 8794), (45, 8818), (53, 8851), (61, 8872), (63, 8887), (112, 9061), (124, 9076), (129, 9088), (135, 9109), (143, 9139), (160, 9223), (164, 9247), (185, 9337), (186, 9346), (187, 9349), (190, 9370), (211, 9475), (243, 9847), (266, 9976), (270, 9994), (271, 10015), (280, 10066), (281, 10072), (292, 10159), (317, 10318), (320, 10336), (329, 10381), (340, 10486), (341, 10501), (346, 10543), (352, 10624), (361, 10705), (364, 10747), (371,

10804), (372, 10810), (377, 10846), (380, 10882), (386, 10942), (393, 11011), (410, 11098),

Gene: RedMaple_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for RedMaple_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: RedRaider89_10 Start: 6592, Stop: 9165, Start Num: 30
Candidate Starts for RedRaider89_10:
(22, 6463), (Start: 30 @6592 has 464 MA's), (40, 6643), (42, 6655), (45, 6670), (Start: 50 @6694 has 1 MA's), (65, 6754), (71, 6775), (94, 6847), (101, 6877), (113, 6955), (Start: 114 @6970 has 1 MA's), (122, 7006), (128, 7021), (133, 7042), (158, 7162), (159, 7168), (160, 7171), (179, 7282), (185, 7306), (186, 7315), (189, 7336), (200, 7381), (202, 7396), (211, 7444), (215, 7459), (231, 7684), (238, 7783), (243, 7828), (271, 7906), (276, 7933), (280, 7957), (292, 8041), (302, 8110), (320, 8215), (321, 8218), (328, 8257), (329, 8260), (334, 8329), (335, 8332), (340, 8365), (346, 8422), (350, 8485), (352, 8503), (357, 8554), (361, 8584), (368, 8644), (371, 8683), (375, 8716), (377, 8725), (380, 8761), (388, 8830), (395, 8899), (402, 8965),

Gene: Renkei_9 Start: 7533, Stop: 10040, Start Num: 30
Candidate Starts for Renkei_9:
(Start: 30 @7533 has 464 MA's), (39, 7575), (44, 7608), (57, 7656), (63, 7698), (76, 7761), (81, 7776), (85, 7785), (89, 7794), (94, 7812), (95, 7821), (101, 7833), (106, 7848), (143, 7950), (145, 7959), (152, 7992), (155, 8013), (157, 8022), (159, 8031), (160, 8034), (164, 8058), (165, 8067), (167, 8073), (171, 8097), (174, 8115), (176, 8121), (178, 8130), (186, 8166), (192, 8199), (202, 8247), (203, 8250), (211, 8289), (219, 8388), (243, 8664), (271, 8805), (276, 8832), (279, 8853), (280, 8856), (287, 8901), (290, 8925), (302, 9009), (317, 9099), (320, 9117), (328, 9159), (330, 9189), (335, 9234), (340, 9267), (341, 9282), (346, 9324), (348, 9345), (351, 9402), (352, 9405), (355, 9435), (357, 9456), (361, 9486), (363, 9501), (364, 9528), (367, 9540), (371, 9585), (372, 9591), (377, 9627), (380, 9663), (386, 9723), (389, 9738), (391, 9759), (395, 9801), (410, 9882), (415, 9894), (434, 9975), (436, 9996),

Gene: Reprobate_11 Start: 8830, Stop: 11310, Start Num: 29
Candidate Starts for Reprobate_11:
(Start: 29 @8830 has 2 MA's), (Start: 30 @8833 has 464 MA's), (45, 8911), (46, 8923), (47, 8926), (54, 8947), (75, 9031), (112, 9145), (129, 9172), (143, 9223), (160, 9307), (161, 9319), (164, 9331), (168, 9340), (179, 9373), (185, 9397), (186, 9406), (200, 9472), (202, 9487), (203, 9490), (205, 9505), (211, 9535), (217, 9604), (226, 9724), (243, 9907), (266, 10036), (270, 10054), (271, 10075), (280, 10126), (281, 10132), (292, 10219), (317, 10378), (320, 10396), (329, 10441), (334, 10510), (340, 10546), (341, 10561), (346, 10603), (351, 10681), (352, 10684), (364, 10807), (371, 10864), (372, 10870), (373, 10885), (380, 10942), (386, 11002), (392, 11059), (410, 11158), (431, 11242),

Gene: Rhinoforte_13 Start: 9734, Stop: 12181, Start Num: 30
Candidate Starts for Rhinoforte_13:
(Start: 30 @9734 has 464 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292,

11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Rich_11 Start: 8564, Stop: 11071, Start Num: 30
Candidate Starts for Rich_11:
(7, 8075), (14, 8261), (Start: 29 @8561 has 2 MA's), (Start: 30 @8564 has 464 MA's), (45, 8642), (53, 8675), (112, 8885), (124, 8900), (143, 8963), (160, 9047), (161, 9059), (164, 9071), (177, 9128), (179, 9137), (185, 9161), (186, 9170), (187, 9173), (190, 9194), (211, 9299), (236, 9602), (243, 9671), (266, 9797), (269, 9809), (270, 9815), (271, 9836), (275, 9857), (280, 9887), (281, 9893), (292, 9980), (307, 10091), (317, 10139), (320, 10157), (326, 10184), (329, 10202), (334, 10271), (340, 10307), (341, 10322), (345, 10355), (346, 10364), (352, 10445), (364, 10568), (372, 10631), (380, 10703), (389, 10778), (392, 10820), (393, 10832), (410, 10919),

Gene: Ricotta_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Ricotta_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (89, 6596), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (388, 8597), (395, 8666), (402, 8732),

Gene: Riggan_9 Start: 6364, Stop: 8937, Start Num: 30
Candidate Starts for Riggan_9:
(22, 6235), (Start: 30 @6364 has 464 MA's), (40, 6415), (42, 6427), (45, 6442), (Start: 50 @6466 has 1 MA's), (65, 6526), (71, 6547), (94, 6619), (101, 6649), (113, 6727), (Start: 114 @6742 has 1 MA's), (122, 6778), (128, 6793), (133, 6814), (158, 6934), (159, 6940), (160, 6943), (167, 6982), (179, 7054), (185, 7078), (186, 7087), (189, 7108), (200, 7153), (202, 7168), (211, 7216), (215, 7231), (231, 7456), (238, 7555), (243, 7600), (271, 7678), (276, 7705), (280, 7729), (292, 7813), (302, 7882), (320, 7987), (321, 7990), (328, 8029), (329, 8032), (334, 8101), (335, 8104), (340, 8137), (346, 8194), (350, 8257), (352, 8275), (357, 8326), (361, 8356), (368, 8416), (371, 8455), (375, 8488), (377, 8497), (380, 8533), (388, 8602), (395, 8671), (402, 8737),

Gene: Rimu_9 Start: 6356, Stop: 8929, Start Num: 30
Candidate Starts for Rimu_9:
(22, 6227), (Start: 30 @6356 has 464 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (167, 6974), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (209, 7196), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (313, 7952), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (395, 8663), (402, 8729),

Gene: Rinkes_14 Start: 10462, Stop: 12924, Start Num: 30
Candidate Starts for Rinkes_14:
(Start: 30 @10462 has 464 MA's), (47, 10555), (55, 10576), (65, 10612), (81, 10669), (94, 10705), (95, 10714), (99, 10720), (101, 10726), (110, 10759), (122, 10786), (124, 10789), (152, 10894), (155,

10915), (163, 10954), (164, 10960), (185, 11035), (189, 11065), (190, 11068), (200, 11110), (202, 11125), (217, 11236), (218, 11254), (220, 11269), (224, 11335), (243, 11554), (249, 11572), (271, 11695), (272, 11698), (275, 11716), (280, 11746), (287, 11791), (290, 11815), (292, 11830), (301, 11896), (302, 11899), (303, 11914), (306, 11938), (320, 12007), (328, 12049), (329, 12052), (334, 12121), (335, 12124), (346, 12214), (351, 12289), (352, 12292), (361, 12373), (367, 12427), (375, 12505), (380, 12550), (381, 12556), (384, 12601), (389, 12625), (392, 12667), (394, 12685), (404, 12742), (410, 12769), (429, 12841), (436, 12892), (439, 12901), (441, 12913),

Gene: Rita130_11 Start: 8560, Stop: 11070, Start Num: 30
Candidate Starts for Rita130_11:
(Start: 29 @8557 has 2 MA's), (Start: 30 @8560 has 464 MA's), (41, 8614), (45, 8638), (53, 8671), (61, 8692), (63, 8707), (112, 8881), (124, 8896), (129, 8908), (135, 8929), (143, 8959), (160, 9043), (164, 9067), (185, 9157), (186, 9166), (187, 9169), (190, 9190), (211, 9295), (243, 9667), (266, 9796), (270, 9814), (271, 9835), (280, 9886), (281, 9892), (292, 9979), (317, 10138), (320, 10156), (329, 10201), (340, 10306), (341, 10321), (346, 10363), (352, 10444), (361, 10525), (364, 10567), (371, 10624), (372, 10630), (377, 10666), (380, 10702), (386, 10762), (393, 10831), (410, 10918),

Gene: Rita1961_12 Start: 8209, Stop: 10656, Start Num: 30
Candidate Starts for Rita1961_12:
(Start: 30 @8209 has 464 MA's), (Start: 49 @8308 has 2 MA's), (Start: 50 @8311 has 1 MA's), (62, 8356), (65, 8380), (66, 8383), (73, 8413), (77, 8428), (92, 8467), (105, 8518), (118, 8548), (132, 8578), (140, 8605), (142, 8611), (155, 8677), (185, 8767), (186, 8776), (187, 8779), (190, 8800), (202, 8857), (211, 8911), (220, 9013), (223, 9073), (226, 9100), (243, 9295), (271, 9391), (280, 9442), (288, 9493), (310, 9655), (320, 9712), (321, 9715), (323, 9724), (334, 9826), (346, 9919), (352, 10000), (380, 10258), (386, 10318), (389, 10333), (393, 10387), (405, 10471), (407, 10483), (425, 10552),

Gene: Riverton_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Riverton_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Robyn_9 Start: 6362, Stop: 8932, Start Num: 30
Candidate Starts for Robyn_9:
(22, 6233), (Start: 30 @6362 has 464 MA's), (40, 6413), (42, 6425), (45, 6440), (Start: 50 @6464 has 1 MA's), (65, 6524), (71, 6545), (94, 6617), (101, 6647), (113, 6725), (Start: 114 @6740 has 1 MA's), (122, 6776), (128, 6791), (133, 6812), (158, 6932), (159, 6938), (160, 6941), (167, 6980), (179, 7052), (185, 7076), (186, 7085), (189, 7106), (200, 7151), (202, 7166), (211, 7214), (215, 7229), (231, 7454), (238, 7553), (243, 7598), (271, 7676), (276, 7703), (280, 7727), (292, 7811), (302, 7880), (320, 7985), (321, 7988), (328, 8027), (329, 8030), (334, 8099), (335, 8102), (340, 8135), (346, 8192), (350, 8255), (352, 8273), (357, 8324), (361, 8354), (362, 8363), (368, 8414), (371, 8453), (375, 8486), (377, 8495), (380, 8531), (388, 8600), (395, 8669), (402, 8735),

Gene: Roliet_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Roliet_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074),

(186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: RomaT_12 Start: 8971, Stop: 11418, Start Num: 30
Candidate Starts for RomaT_12:
(Start: 30 @8971 has 464 MA's), (Start: 49 @9070 has 2 MA's), (Start: 50 @9073 has 1 MA's), (62, 9118), (65, 9142), (66, 9145), (77, 9190), (92, 9229), (105, 9280), (118, 9310), (132, 9340), (140, 9367), (142, 9373), (155, 9439), (183, 9523), (185, 9529), (186, 9538), (187, 9541), (190, 9562), (202, 9619), (220, 9775), (223, 9835), (243, 10057), (271, 10153), (280, 10204), (288, 10255), (310, 10417), (320, 10474), (321, 10477), (323, 10486), (334, 10588), (346, 10681), (352, 10762), (380, 11020), (386, 11080), (389, 11095), (393, 11149), (405, 11233), (407, 11245), (425, 11314),

Gene: Roscoe_10 Start: 6595, Stop: 9168, Start Num: 30
Candidate Starts for Roscoe_10:
(22, 6466), (Start: 30 @6595 has 464 MA's), (40, 6646), (42, 6658), (45, 6673), (Start: 50 @6697 has 1 MA's), (65, 6757), (71, 6778), (94, 6850), (101, 6880), (113, 6958), (Start: 114 @6973 has 1 MA's), (122, 7009), (128, 7024), (133, 7045), (158, 7165), (159, 7171), (160, 7174), (179, 7285), (185, 7309), (186, 7318), (189, 7339), (200, 7384), (202, 7399), (211, 7447), (215, 7462), (231, 7687), (238, 7786), (243, 7831), (271, 7909), (276, 7936), (280, 7960), (292, 8044), (302, 8113), (320, 8218), (321, 8221), (328, 8260), (329, 8263), (334, 8332), (335, 8335), (340, 8368), (346, 8425), (350, 8488), (352, 8506), (357, 8557), (361, 8587), (368, 8647), (371, 8686), (375, 8719), (377, 8728), (380, 8764), (388, 8833), (395, 8902), (402, 8968),

Gene: Rosebush_13 Start: 9734, Stop: 12181, Start Num: 30
Candidate Starts for Rosebush_13:
(Start: 30 @9734 has 464 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Roy17_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Roy17_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: SDcharge11_9 Start: 6353, Stop: 8926, Start Num: 30
Candidate Starts for SDcharge11_9:

(22, 6224), (Start: 30 @6353 has 464 MA's), (40, 6404), (42, 6416), (45, 6431), (Start: 50 @6455 has 1 MA's), (65, 6515), (71, 6536), (94, 6608), (101, 6638), (113, 6716), (Start: 114 @6731 has 1 MA's), (122, 6767), (128, 6782), (133, 6803), (158, 6923), (159, 6929), (160, 6932), (179, 7043), (185, 7067), (186, 7076), (189, 7097), (200, 7142), (202, 7157), (209, 7193), (211, 7205), (215, 7220), (231, 7445), (238, 7544), (243, 7589), (271, 7667), (276, 7694), (280, 7718), (292, 7802), (302, 7871), (320, 7976), (321, 7979), (328, 8018), (329, 8021), (334, 8090), (335, 8093), (340, 8126), (346, 8183), (350, 8246), (352, 8264), (357, 8315), (361, 8345), (368, 8405), (371, 8444), (375, 8477), (377, 8486), (380, 8522), (395, 8660), (402, 8726),

Gene: Sabella_13 Start: 9617, Stop: 12064, Start Num: 30
Candidate Starts for Sabella_13:
(Start: 30 @9617 has 464 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Saguaro_12 Start: 9525, Stop: 11996, Start Num: 30
Candidate Starts for Saguaro_12:
(Start: 30 @9525 has 464 MA's), (65, 9687), (76, 9729), (81, 9744), (94, 9780), (101, 9801), (111, 9828), (118, 9834), (122, 9846), (140, 9903), (143, 9912), (160, 9996), (164, 10020), (172, 10056), (174, 10068), (179, 10083), (186, 10116), (192, 10149), (200, 10182), (202, 10197), (205, 10212), (211, 10242), (222, 10383), (224, 10410), (231, 10482), (236, 10545), (243, 10626), (254, 10671), (255, 10674), (263, 10707), (271, 10770), (280, 10821), (289, 10875), (292, 10905), (317, 11064), (318, 11070), (328, 11124), (329, 11127), (341, 11247), (346, 11289), (349, 11322), (352, 11370), (355, 11400), (357, 11421), (360, 11445), (363, 11466), (371, 11550), (375, 11583), (377, 11592), (380, 11628), (391, 11724), (395, 11766), (410, 11838), (415, 11850), (425, 11898),

Gene: Salazzle_9 Start: 6359, Stop: 8941, Start Num: 30
Candidate Starts for Salazzle_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: SallyH_10 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for SallyH_10:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596),

(395, 8665), (402, 8731),

Gene: Samaymay_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Samaymay_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: SassyCat97_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for SassyCat97_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Schadenfreude_9 Start: 6358, Stop: 8928, Start Num: 30
Candidate Starts for Schadenfreude_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Schueller_9 Start: 6360, Stop: 8930, Start Num: 30
Candidate Starts for Schueller_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: Scoot17C_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Scoot17C_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984),

(321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Scrick_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Scrick_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Sejanus_8 Start: 6055, Stop: 9366, Start Num: 3
Candidate Starts for Sejanus_8:
(Start: 2 @6052 has 1 MA's), (Start: 3 @6055 has 3 MA's), (4, 6082), (6, 6169), (8, 6193), (10, 6250), (11, 6292), (12, 6331), (13, 6343), (15, 6388), (16, 6400), (17, 6412), (19, 6433), (23, 6553), (24, 6586), (33, 6685), (34, 6688), (38, 6709), (42, 6733), (51, 6775), (63, 6808), (67, 6838), (69, 6844), (71, 6865), (72, 6868), (86, 6919), (87, 6922), (95, 6961), (98, 6982), (130, 7147), (132, 7156), (136, 7168), (147, 7231), (157, 7285), (181, 7435), (193, 7498), (196, 7516), (199, 7567), (204, 7603), (207, 7621), (212, 7651), (213, 7654), (221, 7762), (228, 7855), (231, 7894), (236, 7960), (238, 7996), (243, 8041), (261, 8065), (268, 8119), (271, 8149), (276, 8176), (283, 8215), (294, 8302), (300, 8341), (306, 8392), (318, 8446), (322, 8458), (335, 8569), (340, 8602), (364, 8866), (371, 8923), (374, 8950), (375, 8956), (380, 9001), (382, 9019), (387, 9067), (393, 9130), (394, 9136), (395, 9139), (399, 9172), (404, 9190), (410, 9217), (421, 9259), (427, 9283), (443, 9361),

Gene: Selr12_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Selr12_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Septica_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Septica_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (388, 8597), (395, 8666), (402, 8732),

Gene: Serendipitous_11 Start: 8612, Stop: 11113, Start Num: 30
Candidate Starts for Serendipitous_11:

(Start: 30 @8612 has 464 MA's), (41, 8666), (45, 8690), (53, 8723), (61, 8744), (63, 8759), (89, 8855), (92, 8864), (112, 8933), (122, 8945), (124, 8948), (129, 8960), (135, 8981), (143, 9011), (160, 9095), (164, 9119), (177, 9176), (179, 9185), (185, 9209), (186, 9218), (187, 9221), (190, 9242), (205, 9317), (211, 9347), (243, 9719), (266, 9839), (270, 9857), (271, 9878), (280, 9929), (281, 9935), (292, 10022), (294, 10040), (317, 10181), (320, 10199), (329, 10244), (334, 10313), (340, 10349), (341, 10364), (345, 10397), (346, 10406), (352, 10487), (364, 10610), (371, 10667), (372, 10673), (373, 10688), (380, 10745), (392, 10862), (393, 10874), (410, 10961), (426, 11024),

Gene: Serendipity_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Serendipity_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Serpentine_009 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Serpentine_009:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: ShadowBud_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for ShadowBud_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Shatter_9 Start: 7131, Stop: 9533, Start Num: 30
Candidate Starts for Shatter_9:
(18, 6879), (25, 7101), (Start: 30 @7131 has 464 MA's), (Start: 31 @7134 has 1 MA's), (Start: 35 @7149 has 1 MA's), (47, 7218), (53, 7236), (58, 7248), (70, 7311), (72, 7317), (89, 7368), (91, 7374), (103, 7416), (120, 7440), (140, 7512), (154, 7581), (160, 7605), (185, 7668), (188, 7683), (190, 7701), (200, 7743), (216, 7866), (234, 8079), (242, 8178), (262, 8253), (266, 8277), (267, 8280), (268, 8286), (271, 8316), (277, 8352), (280, 8367), (284, 8388), (317, 8610), (318, 8616), (320, 8628), (329, 8673), (333, 8736), (341, 8793), (347, 8835), (351, 8910), (352, 8913), (360, 8988), (363, 9009), (368, 9057), (374, 9123), (377, 9138), (385, 9231), (389, 9249), (396, 9321), (410, 9384), (415, 9396), (425, 9444), (428, 9453), (442, 9522),

Gene: Sheila_9 Start: 6358, Stop: 8931, Start Num: 30

Candidate Starts for Sheila_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (395, 8665), (402, 8731),

Gene: Shenandoah_12 Start: 8211, Stop: 10643, Start Num: 30
Candidate Starts for Shenandoah_12:
(Start: 30 @8211 has 464 MA's), (Start: 49 @8310 has 2 MA's), (Start: 50 @8313 has 1 MA's), (62, 8358), (65, 8382), (66, 8385), (77, 8430), (92, 8469), (105, 8520), (118, 8550), (132, 8580), (140, 8607), (142, 8613), (155, 8679), (183, 8763), (185, 8769), (186, 8778), (187, 8781), (190, 8802), (202, 8859), (220, 9015), (223, 9075), (243, 9297), (271, 9393), (280, 9444), (288, 9495), (310, 9657), (320, 9714), (321, 9717), (323, 9726), (334, 9828), (346, 9921), (352, 10002), (380, 10260), (386, 10320), (389, 10335), (393, 10389), (405, 10473), (407, 10485), (425, 10554),

Gene: Shenyu_11 Start: 8903, Stop: 11071, Start Num: 124
Candidate Starts for Shenyu_11:
(Start: 29 @8564 has 2 MA's), (Start: 30 @8567 has 464 MA's), (41, 8621), (45, 8645), (53, 8678), (63, 8714), (112, 8888), (124, 8903), (135, 8936), (143, 8966), (164, 9074), (178, 9137), (179, 9140), (185, 9164), (186, 9173), (187, 9176), (190, 9197), (211, 9302), (226, 9491), (243, 9674), (266, 9797), (270, 9815), (271, 9836), (280, 9887), (281, 9893), (292, 9980), (317, 10139), (320, 10157), (329, 10202), (334, 10271), (340, 10307), (341, 10322), (346, 10364), (352, 10445), (364, 10568), (371, 10625), (372, 10631), (380, 10703), (392, 10820), (410, 10919),

Gene: ShiVal_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for ShiVal_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Sigman_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Sigman_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: SilverBell_10 Start: 6738, Stop: 8933, Start Num: 114
Candidate Starts for SilverBell_10:

(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Simielle_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Simielle_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: SirBeauregard_9 Start: 6358, Stop: 8949, Start Num: 30
Candidate Starts for SirBeauregard_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (395, 8665), (402, 8731),

Gene: SirJeffery_11 Start: 8560, Stop: 11070, Start Num: 30
Candidate Starts for SirJeffery_11:
(Start: 29 @8557 has 2 MA's), (Start: 30 @8560 has 464 MA's), (41, 8614), (45, 8638), (53, 8671), (61, 8692), (63, 8707), (112, 8881), (124, 8896), (129, 8908), (135, 8929), (143, 8959), (160, 9043), (164, 9067), (185, 9157), (186, 9166), (187, 9169), (190, 9190), (243, 9667), (266, 9796), (270, 9814), (271, 9835), (280, 9886), (281, 9892), (292, 9979), (317, 10138), (320, 10156), (329, 10201), (340, 10306), (341, 10321), (346, 10363), (352, 10444), (361, 10525), (364, 10567), (371, 10624), (372, 10630), (377, 10666), (380, 10702), (386, 10762), (393, 10831), (410, 10918),

Gene: Sisko_8 Start: 6938, Stop: 9343, Start Num: 30
Candidate Starts for Sisko_8:
(Start: 30 @6938 has 464 MA's), (Start: 35 @6956 has 1 MA's), (Start: 49 @7031 has 2 MA's), (53, 7043), (72, 7124), (91, 7181), (92, 7184), (94, 7193), (95, 7202), (101, 7214), (120, 7247), (133, 7286), (135, 7292), (138, 7307), (143, 7328), (147, 7346), (151, 7367), (155, 7391), (160, 7412), (185, 7475), (188, 7490), (216, 7673), (234, 7886), (242, 7985), (266, 8087), (268, 8096), (271, 8126), (277, 8162), (280, 8177), (284, 8198), (288, 8228), (291, 8258), (295, 8282), (306, 8369), (318, 8426), (341, 8603), (347, 8645), (352, 8723), (353, 8726), (357, 8774), (363, 8819), (368, 8864), (371, 8903), (374, 8930), (377, 8945), (389, 9056), (391, 9077), (396, 9128), (406, 9182), (415, 9206), (416, 9209), (422, 9245), (425, 9254),

Gene: Skippy_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Skippy_9:

(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Slatt_9 Start: 6362, Stop: 8935, Start Num: 30
Candidate Starts for Slatt_9:
(22, 6233), (Start: 30 @6362 has 464 MA's), (40, 6413), (42, 6425), (45, 6440), (Start: 50 @6464 has 1 MA's), (65, 6524), (71, 6545), (94, 6617), (101, 6647), (113, 6725), (Start: 114 @6740 has 1 MA's), (122, 6776), (128, 6791), (133, 6812), (158, 6932), (159, 6938), (160, 6941), (167, 6980), (179, 7052), (185, 7076), (186, 7085), (189, 7106), (200, 7151), (202, 7166), (211, 7214), (215, 7229), (231, 7454), (238, 7553), (243, 7598), (271, 7676), (276, 7703), (280, 7727), (292, 7811), (302, 7880), (320, 7985), (321, 7988), (328, 8027), (329, 8030), (334, 8099), (335, 8102), (340, 8135), (346, 8192), (350, 8255), (352, 8273), (357, 8324), (361, 8354), (368, 8414), (371, 8453), (375, 8486), (377, 8495), (380, 8531), (388, 8600), (395, 8669), (402, 8735),

Gene: SlippinJimmy_12 Start: 8970, Stop: 11402, Start Num: 30
Candidate Starts for SlippinJimmy_12:
(Start: 30 @8970 has 464 MA's), (Start: 49 @9069 has 2 MA's), (Start: 50 @9072 has 1 MA's), (62, 9117), (65, 9141), (66, 9144), (73, 9174), (77, 9189), (92, 9228), (105, 9279), (118, 9309), (132, 9339), (140, 9366), (143, 9375), (155, 9438), (183, 9522), (185, 9528), (186, 9537), (187, 9540), (190, 9561), (202, 9618), (220, 9774), (223, 9834), (243, 10056), (271, 10152), (280, 10203), (288, 10254), (310, 10416), (320, 10473), (321, 10476), (323, 10485), (334, 10587), (346, 10680), (352, 10761), (380, 11019), (386, 11079), (389, 11094), (393, 11148), (405, 11232), (407, 11244), (425, 11313),

Gene: Soile_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Soile_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Solosis_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Solosis_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Soos_38 Start: 19390, Stop: 22173, Start Num: 30
Candidate Starts for Soos_38:

(21, 19228), (Start: 30 @19390 has 464 MA's), (32, 19399), (53, 19498), (68, 19558), (82, 19594), (84, 19597), (93, 19618), (103, 19657), (160, 19822), (162, 19834), (164, 19846), (187, 19915), (194, 19954), (225, 20218), (230, 20287), (235, 20344), (245, 20419), (274, 20494), (280, 20530), (296, 20653), (302, 20689), (312, 20755), (315, 20776), (320, 20833), (322, 20839), (327, 20863), (332, 20926), (344, 21025), (375, 21406), (376, 21409), (377, 21415), (383, 21496), (394, 21604), (401, 21673), (403, 21679), (413, 21718), (433, 21808), (445, 21895), (447, 22051), (448, 22072), (449, 22105), (450, 22138), (452, 22156),

Gene: Sophia_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Sophia_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Soto_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Soto_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: Sour_12 Start: 8784, Stop: 11189, Start Num: 30
Candidate Starts for Sour_12:
(Start: 30 @8784 has 464 MA's), (65, 8940), (76, 8988), (94, 9039), (126, 9105), (129, 9114), (146, 9186), (160, 9255), (181, 9300), (185, 9318), (190, 9351), (200, 9393), (202, 9408), (242, 9828), (262, 9909), (266, 9933), (271, 9972), (275, 9993), (280, 10023), (284, 10044), (287, 10068), (288, 10074), (292, 10107), (320, 10284), (333, 10392), (341, 10449), (347, 10491), (351, 10566), (352, 10569), (353, 10572), (357, 10620), (363, 10665), (366, 10707), (371, 10752), (374, 10779), (377, 10794), (384, 10881), (389, 10905), (391, 10926), (396, 10977), (404, 11013), (410, 11040), (416, 11055), (425, 11100), (430, 11121),

Gene: Spartan300_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Spartan300_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Squid_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Squid_9:

(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Squiggle_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Squiggle_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Stillion_41 Start: 19975, Stop: 22758, Start Num: 30
Candidate Starts for Stillion_41:
(21, 19813), (Start: 30 @19975 has 464 MA's), (32, 19984), (53, 20083), (68, 20143), (82, 20179), (84, 20182), (93, 20203), (103, 20242), (160, 20407), (162, 20419), (164, 20431), (183, 20482), (187, 20500), (194, 20539), (225, 20803), (230, 20872), (235, 20929), (245, 21004), (274, 21079), (280, 21115), (296, 21238), (302, 21274), (312, 21340), (315, 21361), (320, 21418), (322, 21424), (327, 21448), (332, 21511), (344, 21610), (375, 21991), (376, 21994), (377, 22000), (383, 22081), (394, 22189), (401, 22258), (403, 22264), (413, 22303), (445, 22480), (447, 22636), (448, 22657), (449, 22690), (450, 22723), (452, 22741),

Gene: Sting_41 Start: 19829, Stop: 22612, Start Num: 30
Candidate Starts for Sting_41:
(21, 19667), (Start: 30 @19829 has 464 MA's), (32, 19838), (53, 19937), (68, 19997), (82, 20033), (84, 20036), (93, 20057), (103, 20096), (160, 20261), (162, 20273), (164, 20285), (183, 20336), (187, 20354), (194, 20393), (225, 20657), (230, 20726), (235, 20783), (245, 20858), (274, 20933), (280, 20969), (296, 21092), (302, 21128), (312, 21194), (315, 21215), (320, 21272), (322, 21278), (327, 21302), (332, 21365), (344, 21464), (375, 21845), (376, 21848), (377, 21854), (383, 21935), (394, 22043), (401, 22112), (403, 22118), (413, 22157), (433, 22247), (445, 22334), (447, 22490), (448, 22511), (449, 22544), (450, 22577), (452, 22595),

Gene: Stinger_8 Start: 7080, Stop: 9575, Start Num: 30
Candidate Starts for Stinger_8:
(Start: 28 @7074 has 1 MA's), (Start: 30 @7080 has 464 MA's), (39, 7122), (44, 7155), (53, 7191), (63, 7245), (76, 7308), (81, 7323), (85, 7332), (89, 7341), (94, 7359), (95, 7368), (101, 7380), (106, 7395), (143, 7497), (145, 7506), (152, 7539), (155, 7560), (157, 7569), (159, 7578), (160, 7581), (164, 7605), (165, 7614), (167, 7620), (171, 7644), (174, 7662), (176, 7668), (178, 7677), (186, 7713), (192, 7746), (202, 7794), (203, 7797), (209, 7824), (211, 7836), (231, 8076), (243, 8211), (265, 8289), (271, 8343), (276, 8370), (279, 8391), (280, 8394), (287, 8439), (290, 8463), (295, 8499), (307, 8589), (317, 8637), (320, 8655), (326, 8682), (328, 8697), (329, 8700), (330, 8727), (335, 8772), (340, 8805), (346, 8862), (351, 8937), (352, 8940), (355, 8970), (361, 9021), (363, 9036), (364, 9063), (367, 9075), (371, 9120), (377, 9162), (380, 9198), (382, 9216), (386, 9258), (389, 9273), (391, 9294), (395, 9336), (410, 9417), (415, 9429), (434, 9510), (436, 9531),

Gene: StinkyVeggy_12 Start: 8728, Stop: 11235, Start Num: 30
Candidate Starts for StinkyVeggy_12:
(Start: 29 @8725 has 2 MA's), (Start: 30 @8728 has 464 MA's), (41, 8782), (45, 8806), (53, 8839), (63, 8875), (112, 9049), (124, 9064), (129, 9076), (135, 9097), (143, 9127), (164, 9235), (178, 9298), (179, 9301), (185, 9325), (186, 9334), (187, 9337), (190, 9358), (211, 9463), (226, 9652), (243, 9835), (266, 9961), (270, 9979), (271, 10000), (280, 10051), (281, 10057), (292, 10144), (317, 10303), (320, 10321), (329, 10366), (334, 10435), (340, 10471), (341, 10486), (346, 10528), (352, 10609), (364, 10732), (371, 10789), (372, 10795), (373, 10810), (380, 10867), (392, 10984), (410, 11083),

Gene: Struggle_9 Start: 6357, Stop: 8933, Start Num: 30
Candidate Starts for Struggle_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Suffolk_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Suffolk_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (388, 8597), (395, 8666), (402, 8732),

Gene: Suigeneris_11 Start: 8560, Stop: 11070, Start Num: 30
Candidate Starts for Suigeneris_11:
(Start: 29 @8557 has 2 MA's), (Start: 30 @8560 has 464 MA's), (41, 8614), (45, 8638), (53, 8671), (61, 8692), (63, 8707), (112, 8881), (124, 8896), (129, 8908), (135, 8929), (143, 8959), (160, 9043), (164, 9067), (185, 9157), (186, 9166), (187, 9169), (190, 9190), (243, 9667), (266, 9796), (270, 9814), (271, 9835), (280, 9886), (281, 9892), (292, 9979), (317, 10138), (320, 10156), (329, 10201), (340, 10306), (341, 10321), (346, 10363), (352, 10444), (361, 10525), (364, 10567), (371, 10624), (372, 10630), (377, 10666), (380, 10702), (386, 10762), (393, 10831), (410, 10918),

Gene: Surely_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Surely_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: SwainyDoc_12 Start: 8206, Stop: 10638, Start Num: 30
Candidate Starts for SwainyDoc_12:

(Start: 30 @8206 has 464 MA's), (Start: 49 @8305 has 2 MA's), (Start: 50 @8308 has 1 MA's), (62, 8353), (65, 8377), (66, 8380), (73, 8410), (77, 8425), (92, 8464), (105, 8515), (118, 8545), (132, 8575), (140, 8602), (143, 8611), (155, 8674), (183, 8758), (185, 8764), (186, 8773), (187, 8776), (190, 8797), (202, 8854), (220, 9010), (223, 9070), (243, 9292), (271, 9388), (280, 9439), (288, 9490), (310, 9652), (320, 9709), (321, 9712), (323, 9721), (334, 9823), (346, 9916), (352, 9997), (380, 10255), (386, 10315), (389, 10330), (393, 10384), (405, 10468), (407, 10480), (425, 10549),

Gene: Swiphy_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Swiphy_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Swish_9 Start: 6463, Stop: 8934, Start Num: 50
Candidate Starts for Swish_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: SynergyX_12 Start: 8209, Stop: 10641, Start Num: 30
Candidate Starts for SynergyX_12:
(Start: 30 @8209 has 464 MA's), (Start: 49 @8308 has 2 MA's), (Start: 50 @8311 has 1 MA's), (62, 8356), (65, 8380), (66, 8383), (77, 8428), (92, 8467), (105, 8518), (118, 8548), (132, 8578), (140, 8605), (142, 8611), (155, 8677), (183, 8761), (185, 8767), (186, 8776), (187, 8779), (190, 8800), (202, 8857), (220, 9013), (223, 9073), (243, 9295), (271, 9391), (280, 9442), (288, 9493), (310, 9655), (320, 9712), (321, 9715), (323, 9724), (334, 9826), (346, 9919), (352, 10000), (380, 10258), (386, 10318), (389, 10333), (393, 10387), (405, 10471), (407, 10483), (425, 10552),

Gene: TA17A_13 Start: 9617, Stop: 12064, Start Num: 30
Candidate Starts for TA17A_13:
(Start: 30 @9617 has 464 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: TPA2_18 Start: 9791, Stop: 12169, Start Num: 27
Candidate Starts for TPA2_18:

(27, 9791), (Start: 30 @9797 has 464 MA's), (34, 9818), (42, 9860), (45, 9875), (83, 10028), (123, 10124), (138, 10166), (143, 10187), (157, 10259), (160, 10271), (184, 10328), (201, 10409), (202, 10421), (216, 10532), (236, 10775), (239, 10811), (245, 10844), (258, 10871), (268, 10928), (271, 10958), (280, 11009), (311, 11225), (329, 11315), (333, 11378), (335, 11387), (336, 11399), (347, 11486), (371, 11744), (374, 11771), (386, 11882), (395, 11960), (409, 12032), (412, 12041), (418, 12056), (434, 12131),

Gene: TallGrassMM_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for TallGrassMM_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Taraxa_10 Start: 6773, Stop: 8947, Start Num: 122
Candidate Starts for Taraxa_10:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Telesworld_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Telesworld_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Thonko_8 Start: 5618, Stop: 8053, Start Num: 30
Candidate Starts for Thonko_8:
(Start: 30 @5618 has 464 MA's), (Start: 50 @5720 has 1 MA's), (53, 5729), (54, 5732), (66, 5783), (122, 5942), (138, 5987), (155, 6071), (160, 6092), (164, 6116), (179, 6179), (186, 6209), (190, 6233), (192, 6242), (200, 6275), (205, 6305), (209, 6323), (211, 6335), (217, 6404), (220, 6437), (222, 6476), (224, 6503), (231, 6575), (236, 6638), (251, 6719), (271, 6824), (275, 6845), (280, 6875), (292, 6959), (317, 7118), (321, 7139), (326, 7163), (335, 7253), (346, 7343), (352, 7424), (357, 7475), (371, 7604), (380, 7682), (389, 7757), (404, 7871), (411, 7901), (444, 8048),

Gene: Thora_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Thora_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's),

(122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: ThreeOh3D2_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for ThreeOh3D2_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Thunderbird_9 Start: 6359, Stop: 8932, Start Num: 30
Candidate Starts for Thunderbird_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (395, 8666), (402, 8732),

Gene: Timmi_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Timmi_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Tinciduntsolum_14 Start: 9733, Stop: 12180, Start Num: 30
Candidate Starts for Tinciduntsolum_14:
(Start: 30 @9733 has 464 MA's), (41, 9787), (54, 9847), (76, 9940), (78, 9946), (84, 9961), (91, 9982), (96, 10012), (116, 10093), (117, 10096), (120, 10105), (131, 10132), (137, 10159), (157, 10231), (160, 10243), (164, 10261), (167, 10267), (178, 10330), (190, 10375), (200, 10417), (205, 10447), (222, 10618), (223, 10639), (224, 10645), (231, 10717), (236, 10780), (241, 10858), (244, 10864), (266, 10915), (271, 10954), (275, 10975), (276, 10981), (280, 11005), (288, 11056), (289, 11059), (292, 11089), (300, 11146), (302, 11158), (303, 11173), (307, 11200), (314, 11242), (323, 11287), (324, 11290), (329, 11320), (333, 11383), (334, 11389), (335, 11392), (338, 11404), (348, 11500), (350, 11542), (357, 11611), (364, 11689), (370, 11743), (377, 11788), (378, 11791), (379, 11818), (386, 11884), (389, 11899), (391, 11920), (394, 11959), (404, 12013), (410, 12040), (415, 12052), (427, 12100),

Gene: TinyTerror_12 Start: 8211, Stop: 10643, Start Num: 30
Candidate Starts for TinyTerror_12:
(Start: 30 @8211 has 464 MA's), (Start: 49 @8310 has 2 MA's), (Start: 50 @8313 has 1 MA's), (62, 8358), (65, 8382), (66, 8385), (73, 8415), (77, 8430), (92, 8469), (105, 8520), (118, 8550), (132, 8580), (140, 8607), (143, 8616), (155, 8679), (183, 8763), (185, 8769), (186, 8778), (187, 8781), (190, 8802), (202, 8859), (220, 9015), (223, 9075), (226, 9102), (243, 9297), (271, 9393), (280, 9444), (288, 9495), (310, 9657), (320, 9714), (321, 9717), (323, 9726), (334, 9828), (346, 9921), (352, 10002), (380, 10260), (386, 10320), (389, 10335), (393, 10389), (405, 10473), (407, 10485), (425, 10554),

Gene: TomBombadil_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for TomBombadil_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Tomlarah_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Tomlarah_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Toni_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Toni_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Tonitrus_27 Start: 16328, Stop: 18733, Start Num: 26
Candidate Starts for Tonitrus_27:
(Start: 26 @16328 has 1 MA's), (Start: 35 @16367 has 1 MA's), (48, 16436), (Start: 49 @16439 has 2 MA's), (53, 16451), (64, 16487), (67, 16511), (78, 16541), (84, 16556), (93, 16577), (97, 16598), (103, 16616), (143, 16718), (144, 16727), (150, 16751), (155, 16781), (156, 16784), (160, 16802), (183, 16877), (208, 17000), (209, 17012), (211, 17024), (214, 17030), (215, 17039), (218, 17111), (225, 17195), (230, 17264), (233, 17309), (243, 17405), (282, 17540), (286, 17567), (290, 17597), (295, 17630), (297, 17651), (304, 17711), (305, 17714), (307, 17723), (313, 17762), (316, 17777), (320, 17798), (325, 17819), (327, 17828), (343, 17984), (348, 18044), (354, 18128), (360, 18182), (365, 18236), (371, 18287), (375, 18320), (389, 18440), (391, 18461), (395, 18506), (398, 18533), (414, 18614), (420, 18641), (426, 18665),

Gene: TooFast2Furius_10 Start: 6595, Stop: 9168, Start Num: 30
Candidate Starts for TooFast2Furius_10:
(22, 6466), (Start: 30 @6595 has 464 MA's), (40, 6646), (42, 6658), (45, 6673), (Start: 50 @6697 has 1 MA's), (65, 6757), (71, 6778), (94, 6850), (101, 6880), (113, 6958), (Start: 114 @6973 has 1 MA's), (122, 7009), (128, 7024), (133, 7045), (158, 7165), (159, 7171), (160, 7174), (179, 7285), (185, 7309), (186, 7318), (189, 7339), (200, 7384), (202, 7399), (211, 7447), (215, 7462), (231, 7687), (238, 7786), (243, 7831), (271, 7909), (276, 7936), (280, 7960), (292, 8044), (302, 8113), (320, 8218), (321, 8221), (328, 8260), (329, 8263), (334, 8332), (335, 8335), (340, 8368), (346, 8425), (350, 8488), (352, 8506), (357, 8557), (361, 8587), (368, 8647), (371, 8686), (375, 8719), (377, 8728), (380, 8764), (388, 8833), (395, 8902), (402, 8968),

Gene: Tooj_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Tooj_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: TraderJ_11 Start: 8614, Stop: 11025, Start Num: 30
Candidate Starts for TraderJ_11:
(Start: 30 @8614 has 464 MA's), (41, 8662), (73, 8809), (129, 8956), (137, 8989), (138, 8995), (143, 9016), (160, 9100), (166, 9133), (182, 9148), (183, 9154), (202, 9250), (224, 9463), (243, 9670), (253, 9697), (266, 9769), (267, 9772), (268, 9778), (271, 9808), (277, 9844), (280, 9859), (284, 9880), (287, 9904), (288, 9910), (292, 9943), (295, 9964), (318, 10108), (320, 10120), (348, 10348), (350, 10390), (357, 10459), (363, 10504), (371, 10588), (377, 10630), (381, 10672), (410, 10876), (423, 10930),

Gene: Tres_13 Start: 9617, Stop: 12064, Start Num: 30
Candidate Starts for Tres_13:
(Start: 30 @9617 has 464 MA's), (41, 9671), (54, 9731), (76, 9824), (78, 9830), (84, 9845), (91, 9866), (96, 9896), (116, 9977), (117, 9980), (120, 9989), (131, 10016), (137, 10043), (157, 10115), (160, 10127), (164, 10145), (167, 10151), (178, 10214), (190, 10259), (200, 10301), (205, 10331), (222, 10502), (223, 10523), (224, 10529), (231, 10601), (236, 10664), (241, 10742), (244, 10748), (266, 10799), (271, 10838), (275, 10859), (276, 10865), (280, 10889), (288, 10940), (289, 10943), (292, 10973), (300, 11030), (302, 11042), (303, 11057), (307, 11084), (314, 11126), (323, 11171), (324, 11174), (329, 11204), (333, 11267), (334, 11273), (335, 11276), (338, 11288), (348, 11384), (350, 11426), (357, 11495), (364, 11573), (370, 11627), (377, 11672), (378, 11675), (379, 11702), (386, 11768), (389, 11783), (391, 11804), (394, 11843), (404, 11897), (410, 11924), (415, 11936), (427, 11984),

Gene: Triad_10 Start: 6723, Stop: 8930, Start Num: 113
Candidate Starts for Triad_10:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529),

(388, 8598), (395, 8667), (402, 8733),

Gene: True_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for True_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (89, 6595), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Trypo_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Trypo_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: Tydolla_12 Start: 8970, Stop: 11402, Start Num: 30
Candidate Starts for Tydolla_12:
(Start: 30 @8970 has 464 MA's), (Start: 49 @9069 has 2 MA's), (Start: 50 @9072 has 1 MA's), (62, 9117), (65, 9141), (66, 9144), (77, 9189), (92, 9228), (105, 9279), (118, 9309), (132, 9339), (140, 9366), (142, 9372), (155, 9438), (183, 9522), (185, 9528), (186, 9537), (187, 9540), (190, 9561), (202, 9618), (220, 9774), (223, 9834), (243, 10056), (271, 10152), (280, 10203), (288, 10254), (310, 10416), (320, 10473), (321, 10476), (323, 10485), (334, 10587), (346, 10680), (352, 10761), (380, 11019), (386, 11079), (389, 11094), (393, 11148), (405, 11232), (407, 11244), (425, 11313),

Gene: TyrionL_9 Start: 6357, Stop: 8939, Start Num: 30
Candidate Starts for TyrionL_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: UAch1_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for UAch1_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529),

(388, 8598), (395, 8667), (402, 8733),

Gene: UncleHowie_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for UncleHowie_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Usavi_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Usavi_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (89, 6594), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Vaishali24_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Vaishali24_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Valjean_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Valjean_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Vaticameos_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Vaticameos_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980),

(321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (388, 8595), (395, 8664), (402, 8730),

Gene: Vectra_9 Start: 6359, Stop: 8935, Start Num: 30
Candidate Starts for Vectra_9:
(22, 6230), (Start: 30 @6359 has 464 MA's), (40, 6410), (42, 6422), (45, 6437), (Start: 50 @6461 has 1 MA's), (65, 6521), (71, 6542), (94, 6614), (101, 6644), (113, 6722), (Start: 114 @6737 has 1 MA's), (122, 6773), (128, 6788), (133, 6809), (158, 6929), (159, 6935), (160, 6938), (167, 6977), (179, 7049), (185, 7073), (186, 7082), (189, 7103), (200, 7148), (202, 7163), (209, 7199), (211, 7211), (215, 7226), (231, 7451), (238, 7550), (243, 7595), (271, 7673), (276, 7700), (280, 7724), (292, 7808), (302, 7877), (313, 7955), (320, 7982), (321, 7985), (328, 8024), (329, 8027), (334, 8096), (335, 8099), (340, 8132), (346, 8189), (350, 8252), (352, 8270), (357, 8321), (361, 8351), (368, 8411), (371, 8450), (375, 8483), (377, 8492), (380, 8528), (394, 8663), (395, 8666), (402, 8732),

Gene: Veritas_9 Start: 6357, Stop: 8927, Start Num: 30
Candidate Starts for Veritas_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Vic9_00013 Start: 10060, Stop: 12507, Start Num: 30
Candidate Starts for Vic9_00013:
(Start: 30 @10060 has 464 MA's), (41, 10114), (54, 10174), (76, 10267), (78, 10273), (84, 10288), (91, 10309), (96, 10339), (116, 10420), (117, 10423), (120, 10432), (131, 10459), (137, 10486), (157, 10558), (160, 10570), (164, 10588), (167, 10594), (178, 10657), (190, 10702), (200, 10744), (205, 10774), (222, 10945), (223, 10966), (224, 10972), (231, 11044), (236, 11107), (241, 11185), (244, 11191), (266, 11242), (271, 11281), (276, 11308), (280, 11332), (288, 11383), (289, 11386), (292, 11416), (302, 11485), (303, 11500), (307, 11527), (314, 11569), (323, 11614), (324, 11617), (329, 11647), (333, 11710), (334, 11716), (335, 11719), (338, 11731), (348, 11827), (350, 11869), (357, 11938), (364, 12016), (377, 12115), (378, 12118), (379, 12145), (386, 12211), (389, 12226), (391, 12247), (394, 12286), (404, 12340), (410, 12367), (415, 12379), (427, 12427),

Gene: Vincenzo_11 Start: 9351, Stop: 11855, Start Num: 28
Candidate Starts for Vincenzo_11:
(Start: 28 @9351 has 1 MA's), (Start: 30 @9357 has 464 MA's), (39, 9399), (63, 9522), (81, 9600), (89, 9618), (94, 9636), (95, 9645), (140, 9765), (145, 9783), (152, 9816), (155, 9837), (159, 9855), (160, 9858), (164, 9882), (167, 9897), (171, 9921), (172, 9927), (174, 9939), (180, 9960), (186, 9990), (202, 10071), (203, 10074), (222, 10254), (231, 10353), (243, 10488), (270, 10599), (271, 10620), (276, 10647), (279, 10668), (280, 10671), (292, 10755), (306, 10863), (317, 10914), (320, 10932), (328, 10974), (329, 10977), (330, 11004), (346, 11139), (351, 11217), (352, 11220), (357, 11271), (361, 11301), (377, 11442), (391, 11574), (392, 11595), (394, 11613), (395, 11616), (404, 11667), (410, 11694), (424, 11751),

Gene: VioletZ_10 Start: 8637, Stop: 11144, Start Num: 30
Candidate Starts for VioletZ_10:
(Start: 30 @8637 has 464 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063),

(152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (226, 9582), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (389, 10842), (394, 10902), (395, 10905), (410, 10986), (415, 10998), (434, 11079), (436, 11100),

Gene: Virapocalypse_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Virapocalypse_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Virgeve_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Virgeve_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Vista_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Vista_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Vivaldi_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Vivaldi_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (167, 6976), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: Vortex_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Vortex_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (167, 6979), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Waleliano_10 Start: 8637, Stop: 11144, Start Num: 30
Candidate Starts for Waleliano_10:
(Start: 30 @8637 has 464 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (391, 10863), (394, 10902), (395, 10905), (410, 10986), (434, 11079), (436, 11100),

Gene: Wallhey_9 Start: 6357, Stop: 8939, Start Num: 30
Candidate Starts for Wallhey_9:
(Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (394, 8661), (395, 8664), (402, 8730),

Gene: Waterdiva_9 Start: 6361, Stop: 8934, Start Num: 30
Candidate Starts for Waterdiva_9:
(22, 6232), (Start: 30 @6361 has 464 MA's), (40, 6412), (42, 6424), (45, 6439), (Start: 50 @6463 has 1 MA's), (65, 6523), (71, 6544), (94, 6616), (101, 6646), (113, 6724), (Start: 114 @6739 has 1 MA's), (122, 6775), (128, 6790), (133, 6811), (158, 6931), (159, 6937), (160, 6940), (179, 7051), (185, 7075), (186, 7084), (189, 7105), (200, 7150), (202, 7165), (209, 7201), (211, 7213), (215, 7228), (231, 7453), (238, 7552), (243, 7597), (271, 7675), (276, 7702), (280, 7726), (292, 7810), (302, 7879), (320, 7984), (321, 7987), (328, 8026), (329, 8029), (334, 8098), (335, 8101), (340, 8134), (346, 8191), (350, 8254), (352, 8272), (357, 8323), (361, 8353), (368, 8413), (371, 8452), (375, 8485), (377, 8494), (380, 8530), (388, 8599), (395, 8668), (402, 8734),

Gene: Weher20_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for Weher20_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (209, 7197), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (313, 7953), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187),

(350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: West99_13 Start: 9734, Stop: 12181, Start Num: 30
Candidate Starts for West99_13:
(Start: 30 @9734 has 464 MA's), (41, 9788), (54, 9848), (76, 9941), (78, 9947), (84, 9962), (91, 9983), (96, 10013), (116, 10094), (117, 10097), (120, 10106), (131, 10133), (137, 10160), (157, 10232), (160, 10244), (164, 10262), (167, 10268), (178, 10331), (190, 10376), (200, 10418), (205, 10448), (222, 10619), (223, 10640), (224, 10646), (231, 10718), (236, 10781), (241, 10859), (244, 10865), (266, 10916), (271, 10955), (275, 10976), (276, 10982), (280, 11006), (288, 11057), (289, 11060), (292, 11090), (300, 11147), (302, 11159), (303, 11174), (307, 11201), (314, 11243), (323, 11288), (324, 11291), (329, 11321), (333, 11384), (334, 11390), (335, 11393), (338, 11405), (348, 11501), (350, 11543), (357, 11612), (364, 11690), (370, 11744), (377, 11789), (378, 11792), (379, 11819), (386, 11885), (389, 11900), (391, 11921), (394, 11960), (404, 12014), (410, 12041), (415, 12053), (427, 12101),

Gene: Windsor_9 Start: 6358, Stop: 8949, Start Num: 30
Candidate Starts for Windsor_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (209, 7198), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (313, 7954), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (395, 8665), (402, 8731),

Gene: Wooper_11 Start: 8617, Stop: 11028, Start Num: 30
Candidate Starts for Wooper_11:
(Start: 30 @8617 has 464 MA's), (41, 8665), (73, 8812), (129, 8959), (137, 8992), (138, 8998), (143, 9019), (160, 9103), (166, 9136), (182, 9151), (202, 9253), (216, 9361), (224, 9466), (243, 9673), (253, 9700), (266, 9772), (267, 9775), (268, 9781), (271, 9811), (277, 9847), (280, 9862), (284, 9883), (287, 9907), (288, 9913), (292, 9946), (293, 9949), (295, 9967), (318, 10111), (320, 10123), (348, 10351), (357, 10462), (363, 10507), (371, 10591), (377, 10633), (381, 10675), (410, 10879), (423, 10933),

Gene: Xavier_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Xavier_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (89, 6597), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (388, 8598), (395, 8667), (402, 8733),

Gene: Xincheng_10 Start: 8458, Stop: 10965, Start Num: 30
Candidate Starts for Xincheng_10:
(Start: 30 @8458 has 464 MA's), (39, 8500), (44, 8533), (63, 8623), (76, 8686), (81, 8701), (85, 8710), (89, 8719), (94, 8737), (95, 8746), (122, 8809), (124, 8812), (143, 8875), (145, 8884), (147, 8893), (152, 8917), (155, 8938), (156, 8941), (157, 8947), (159, 8956), (160, 8959), (161, 8971), (164, 8983), (169, 9007), (171, 9022), (174, 9040), (186, 9091), (192, 9124), (202, 9172), (203, 9175), (209, 9202), (211, 9214), (243, 9589), (271, 9730), (276, 9757), (279, 9778), (280, 9781), (287, 9826), (290, 9850),

(302, 9934), (317, 10024), (320, 10042), (328, 10084), (330, 10114), (335, 10159), (340, 10192), (341, 10207), (346, 10249), (348, 10270), (351, 10327), (352, 10330), (355, 10360), (357, 10381), (363, 10426), (364, 10453), (371, 10510), (372, 10516), (377, 10552), (380, 10588), (386, 10648), (389, 10663), (395, 10726), (410, 10807), (415, 10819), (425, 10867), (434, 10900), (436, 10921),

Gene: Yago84_8 Start: 7040, Stop: 9352, Start Num: 49
Candidate Starts for Yago84_8:
(Start: 30 @6947 has 464 MA's), (Start: 35 @6965 has 1 MA's), (Start: 49 @7040 has 2 MA's), (53, 7052), (72, 7133), (91, 7190), (92, 7193), (94, 7202), (95, 7211), (101, 7223), (120, 7256), (133, 7295), (135, 7301), (138, 7316), (143, 7337), (147, 7355), (151, 7376), (155, 7400), (160, 7421), (185, 7484), (188, 7499), (216, 7682), (242, 7994), (266, 8096), (268, 8105), (271, 8135), (277, 8171), (280, 8186), (284, 8207), (288, 8237), (295, 8291), (306, 8378), (318, 8435), (341, 8612), (347, 8654), (352, 8732), (353, 8735), (357, 8783), (363, 8828), (368, 8873), (371, 8912), (374, 8939), (377, 8954), (389, 9065), (391, 9086), (396, 9137), (406, 9191), (415, 9215), (416, 9218), (422, 9254), (425, 9263),

Gene: Yahalom_12 Start: 8209, Stop: 10656, Start Num: 30
Candidate Starts for Yahalom_12:
(Start: 30 @8209 has 464 MA's), (Start: 49 @8308 has 2 MA's), (Start: 50 @8311 has 1 MA's), (62, 8356), (65, 8380), (66, 8383), (77, 8428), (92, 8467), (105, 8518), (118, 8548), (132, 8578), (140, 8605), (142, 8611), (155, 8677), (185, 8767), (186, 8776), (187, 8779), (190, 8800), (202, 8857), (220, 9013), (223, 9073), (226, 9100), (243, 9295), (271, 9391), (280, 9442), (288, 9493), (310, 9655), (320, 9712), (321, 9715), (323, 9724), (334, 9826), (346, 9919), (352, 10000), (380, 10258), (386, 10318), (389, 10333), (393, 10387), (405, 10471), (407, 10483), (425, 10552),

Gene: Yeshua_11 Start: 8618, Stop: 11032, Start Num: 30
Candidate Starts for Yeshua_11:
(Start: 30 @8618 has 464 MA's), (Start: 49 @8711 has 2 MA's), (54, 8726), (73, 8813), (76, 8825), (99, 8891), (129, 8960), (137, 8993), (138, 8999), (143, 9020), (147, 9038), (160, 9104), (166, 9137), (182, 9152), (202, 9254), (216, 9362), (224, 9467), (243, 9674), (253, 9701), (266, 9773), (267, 9776), (268, 9782), (271, 9812), (277, 9848), (280, 9863), (284, 9884), (287, 9908), (288, 9914), (292, 9947), (295, 9968), (318, 10112), (345, 10322), (357, 10463), (360, 10487), (363, 10508), (368, 10553), (371, 10592), (374, 10619), (377, 10634), (381, 10676), (410, 10883), (423, 10937), (432, 10979),

Gene: Yinz_12 Start: 8238, Stop: 10670, Start Num: 30
Candidate Starts for Yinz_12:
(Start: 30 @8238 has 464 MA's), (Start: 49 @8337 has 2 MA's), (Start: 50 @8340 has 1 MA's), (62, 8385), (65, 8409), (66, 8412), (77, 8457), (92, 8496), (105, 8547), (118, 8577), (132, 8607), (140, 8634), (155, 8706), (183, 8790), (185, 8796), (186, 8805), (187, 8808), (190, 8829), (202, 8886), (220, 9042), (223, 9102), (243, 9324), (271, 9420), (280, 9471), (288, 9522), (310, 9684), (320, 9741), (321, 9744), (323, 9753), (334, 9855), (346, 9948), (352, 10029), (380, 10287), (386, 10347), (389, 10362), (393, 10416), (405, 10500), (407, 10512), (425, 10581),

Gene: Yoshand_9 Start: 6358, Stop: 8931, Start Num: 30
Candidate Starts for Yoshand_9:
(22, 6229), (Start: 30 @6358 has 464 MA's), (40, 6409), (42, 6421), (45, 6436), (Start: 50 @6460 has 1 MA's), (65, 6520), (71, 6541), (94, 6613), (101, 6643), (113, 6721), (Start: 114 @6736 has 1 MA's), (122, 6772), (128, 6787), (133, 6808), (158, 6928), (159, 6934), (160, 6937), (179, 7048), (185, 7072), (186, 7081), (189, 7102), (200, 7147), (202, 7162), (211, 7210), (215, 7225), (231, 7450), (238, 7549), (243, 7594), (271, 7672), (276, 7699), (280, 7723), (292, 7807), (302, 7876), (320, 7981), (321, 7984), (328, 8023), (329, 8026), (334, 8095), (335, 8098), (340, 8131), (346, 8188), (350, 8251), (352, 8269), (357, 8320), (361, 8350), (368, 8410), (371, 8449), (375, 8482), (377, 8491), (380, 8527), (388, 8596), (395, 8665), (402, 8731),

Gene: YouGoGlencoco_9 Start: 6357, Stop: 8930, Start Num: 30
Candidate Starts for YouGoGlencoco_9:
(22, 6228), (Start: 30 @6357 has 464 MA's), (40, 6408), (42, 6420), (45, 6435), (Start: 50 @6459 has 1 MA's), (65, 6519), (71, 6540), (94, 6612), (101, 6642), (113, 6720), (Start: 114 @6735 has 1 MA's), (122, 6771), (128, 6786), (133, 6807), (158, 6927), (159, 6933), (160, 6936), (167, 6975), (179, 7047), (185, 7071), (186, 7080), (189, 7101), (200, 7146), (202, 7161), (211, 7209), (215, 7224), (231, 7449), (238, 7548), (243, 7593), (271, 7671), (276, 7698), (280, 7722), (292, 7806), (302, 7875), (320, 7980), (321, 7983), (328, 8022), (329, 8025), (334, 8094), (335, 8097), (340, 8130), (346, 8187), (350, 8250), (352, 8268), (357, 8319), (361, 8349), (368, 8409), (371, 8448), (375, 8481), (377, 8490), (380, 8526), (395, 8664), (402, 8730),

Gene: Zaider_10 Start: 6590, Stop: 9163, Start Num: 30
Candidate Starts for Zaider_10:
(22, 6461), (Start: 30 @6590 has 464 MA's), (40, 6641), (42, 6653), (45, 6668), (Start: 50 @6692 has 1 MA's), (65, 6752), (71, 6773), (94, 6845), (101, 6875), (113, 6953), (Start: 114 @6968 has 1 MA's), (122, 7004), (128, 7019), (133, 7040), (158, 7160), (159, 7166), (160, 7169), (167, 7208), (179, 7280), (185, 7304), (186, 7313), (189, 7334), (200, 7379), (202, 7394), (211, 7442), (215, 7457), (231, 7682), (238, 7781), (243, 7826), (271, 7904), (276, 7931), (280, 7955), (292, 8039), (302, 8108), (320, 8213), (321, 8216), (328, 8255), (329, 8258), (334, 8327), (335, 8330), (340, 8363), (346, 8420), (350, 8483), (352, 8501), (357, 8552), (361, 8582), (368, 8642), (371, 8681), (375, 8714), (377, 8723), (380, 8759), (388, 8828), (395, 8897), (402, 8963),

Gene: Zelda_9 Start: 6360, Stop: 8933, Start Num: 30
Candidate Starts for Zelda_9:
(22, 6231), (Start: 30 @6360 has 464 MA's), (40, 6411), (42, 6423), (45, 6438), (Start: 50 @6462 has 1 MA's), (65, 6522), (71, 6543), (94, 6615), (101, 6645), (113, 6723), (Start: 114 @6738 has 1 MA's), (122, 6774), (128, 6789), (133, 6810), (158, 6930), (159, 6936), (160, 6939), (167, 6978), (179, 7050), (185, 7074), (186, 7083), (189, 7104), (200, 7149), (202, 7164), (209, 7200), (211, 7212), (215, 7227), (231, 7452), (238, 7551), (243, 7596), (271, 7674), (276, 7701), (280, 7725), (292, 7809), (302, 7878), (313, 7956), (320, 7983), (321, 7986), (328, 8025), (329, 8028), (334, 8097), (335, 8100), (340, 8133), (346, 8190), (350, 8253), (352, 8271), (357, 8322), (361, 8352), (368, 8412), (371, 8451), (375, 8484), (377, 8493), (380, 8529), (395, 8667), (402, 8733),

Gene: Zemanar_11 Start: 8637, Stop: 11144, Start Num: 30
Candidate Starts for Zemanar_11:
(Start: 30 @8637 has 464 MA's), (39, 8679), (44, 8712), (63, 8802), (76, 8865), (81, 8880), (85, 8889), (89, 8898), (94, 8916), (95, 8925), (101, 8937), (122, 8988), (124, 8991), (143, 9054), (145, 9063), (152, 9096), (155, 9117), (156, 9120), (157, 9126), (159, 9135), (160, 9138), (164, 9162), (169, 9186), (171, 9201), (174, 9219), (176, 9225), (186, 9270), (192, 9303), (202, 9351), (203, 9354), (211, 9393), (243, 9768), (271, 9909), (276, 9936), (279, 9957), (280, 9960), (287, 10005), (290, 10029), (302, 10113), (317, 10203), (320, 10221), (328, 10263), (330, 10293), (335, 10338), (340, 10371), (341, 10386), (346, 10428), (348, 10449), (351, 10506), (352, 10509), (355, 10539), (357, 10560), (361, 10590), (363, 10605), (364, 10632), (371, 10689), (372, 10695), (377, 10731), (380, 10767), (386, 10827), (391, 10863), (394, 10902), (395, 10905), (410, 10986), (434, 11079), (436, 11100),

Gene: Zenteno07_14 Start: 7525, Stop: 10050, Start Num: 30
Candidate Starts for Zenteno07_14:
(Start: 30 @7525 has 464 MA's), (40, 7576), (46, 7615), (57, 7648), (71, 7708), (81, 7744), (95, 7789), (122, 7852), (127, 7861), (133, 7882), (155, 7981), (164, 8026), (178, 8092), (185, 8119), (186, 8128), (202, 8209), (209, 8239), (217, 8320), (218, 8338), (224, 8419), (228, 8452), (231, 8491), (243, 8635), (256, 8704), (265, 8761), (269, 8788), (271, 8815), (279, 8863), (280, 8866), (287, 8911), (288, 8917), (317, 9106), (328, 9166), (329, 9169), (330, 9196), (334, 9238), (335, 9241), (346, 9331), (351, 9406), (357, 9460), (367, 9544), (368, 9550), (375, 9622), (380, 9667), (391, 9763), (395, 9805), (415, 9898),

Gene: Zonia_9 Start: 6356, Stop: 8947, Start Num: 30
Candidate Starts for Zonia_9:
(22, 6227), (Start: 30 @6356 has 464 MA's), (40, 6407), (42, 6419), (45, 6434), (Start: 50 @6458 has 1 MA's), (65, 6518), (71, 6539), (94, 6611), (101, 6641), (113, 6719), (Start: 114 @6734 has 1 MA's), (122, 6770), (128, 6785), (133, 6806), (158, 6926), (159, 6932), (160, 6935), (167, 6974), (179, 7046), (185, 7070), (186, 7079), (189, 7100), (200, 7145), (202, 7160), (209, 7196), (211, 7208), (215, 7223), (231, 7448), (238, 7547), (243, 7592), (271, 7670), (276, 7697), (280, 7721), (292, 7805), (302, 7874), (313, 7952), (320, 7979), (321, 7982), (328, 8021), (329, 8024), (334, 8093), (335, 8096), (340, 8129), (346, 8186), (350, 8249), (352, 8267), (357, 8318), (361, 8348), (368, 8408), (371, 8447), (375, 8480), (377, 8489), (380, 8525), (395, 8663), (402, 8729),