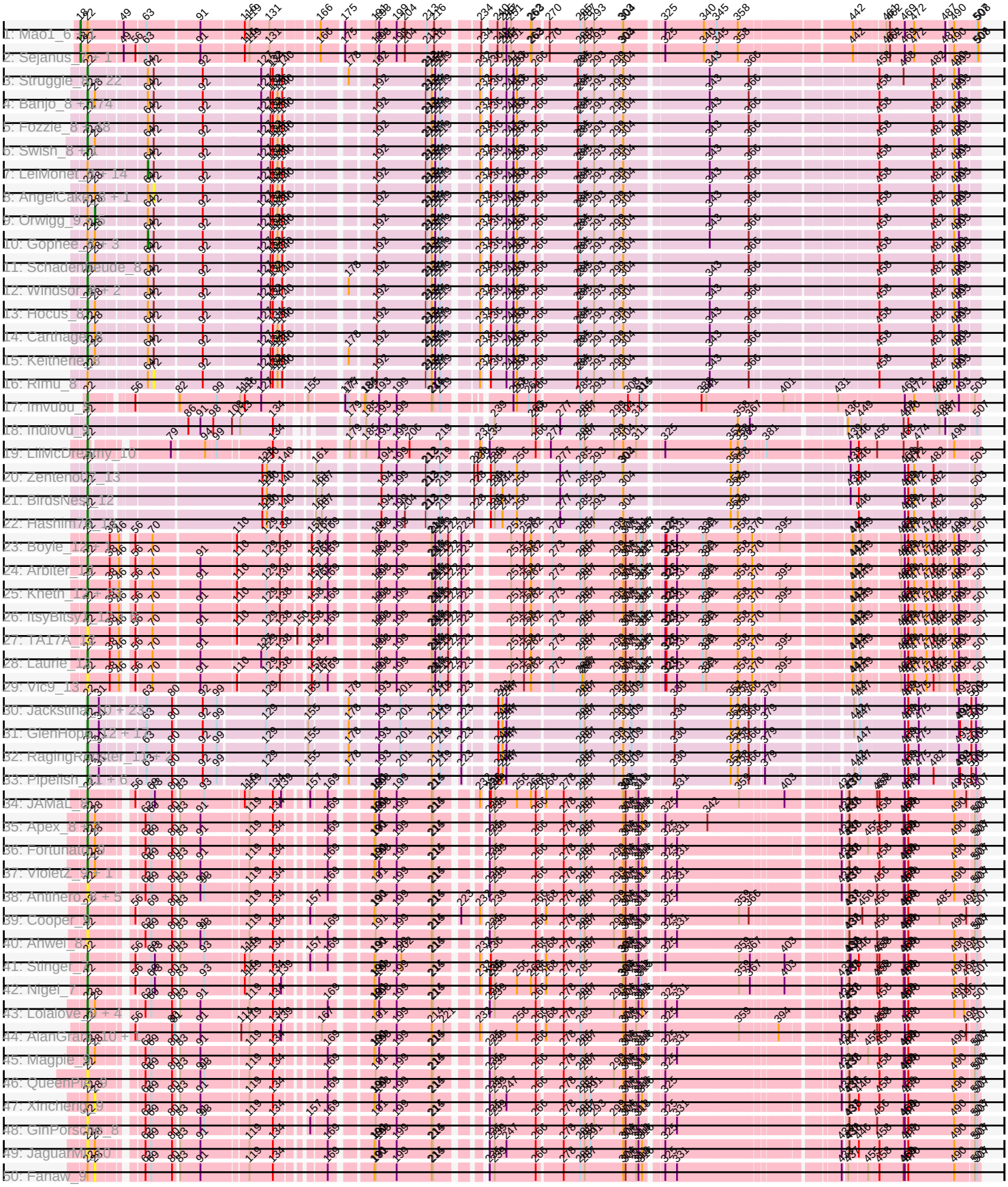
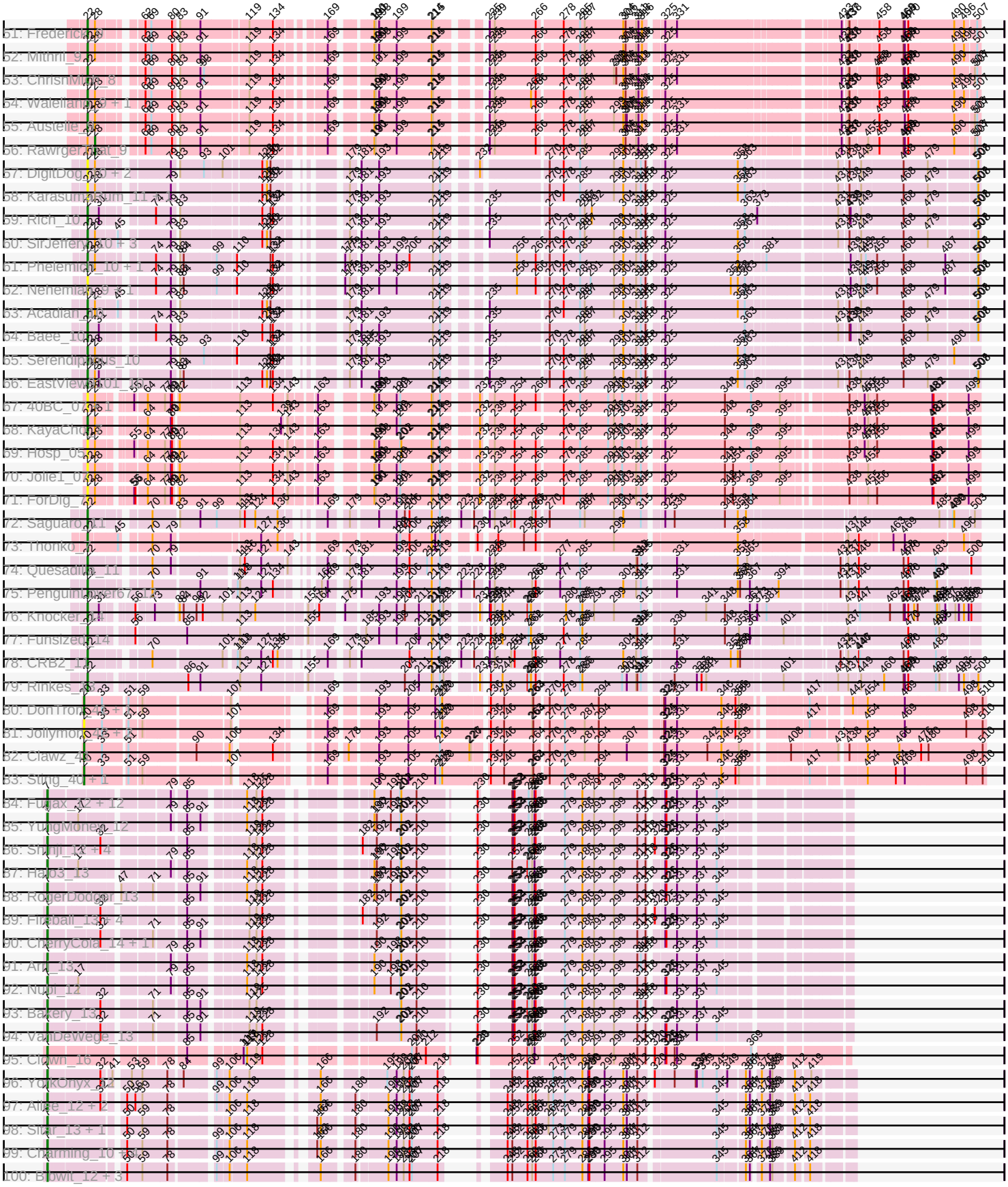
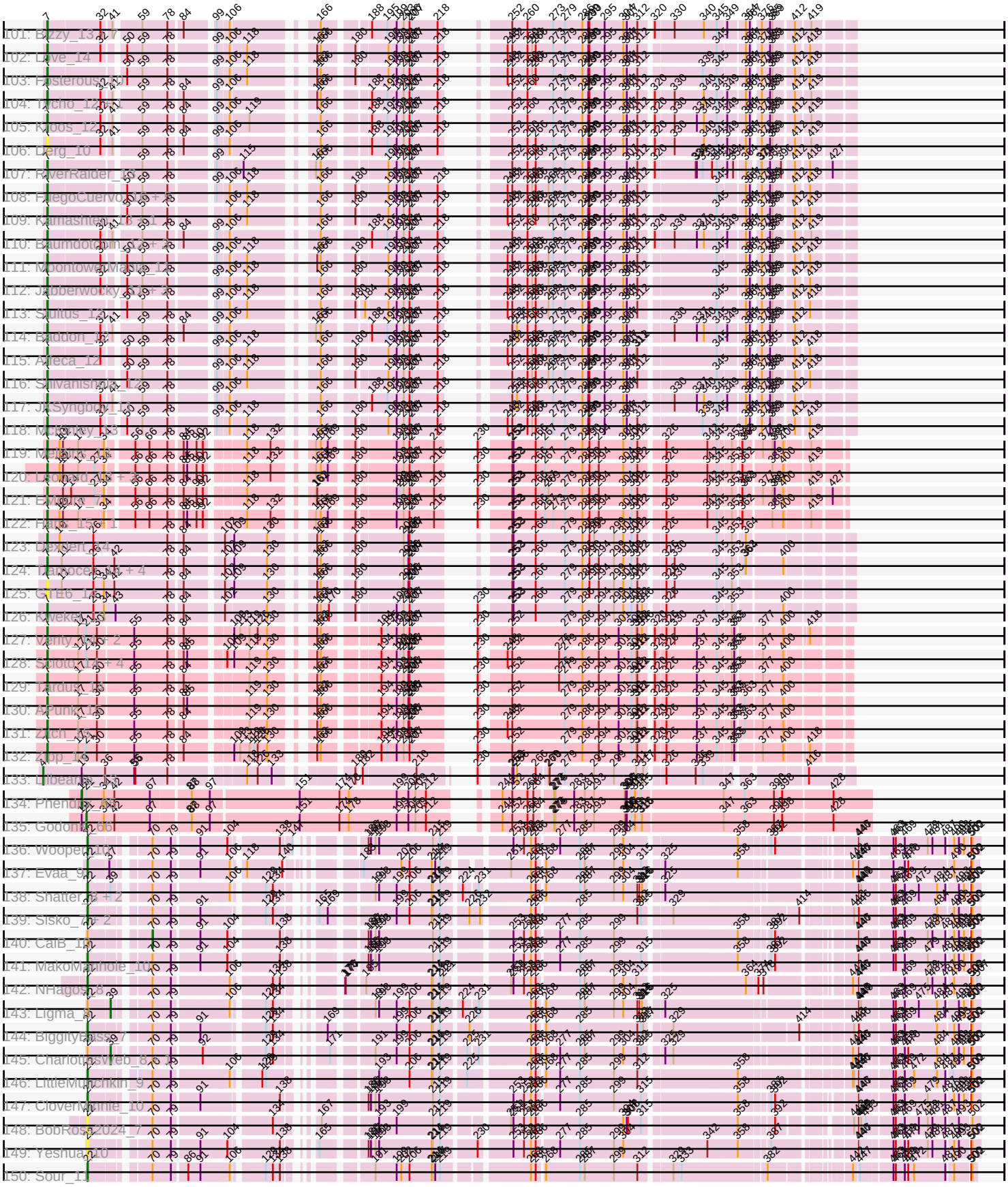
Pham 202542



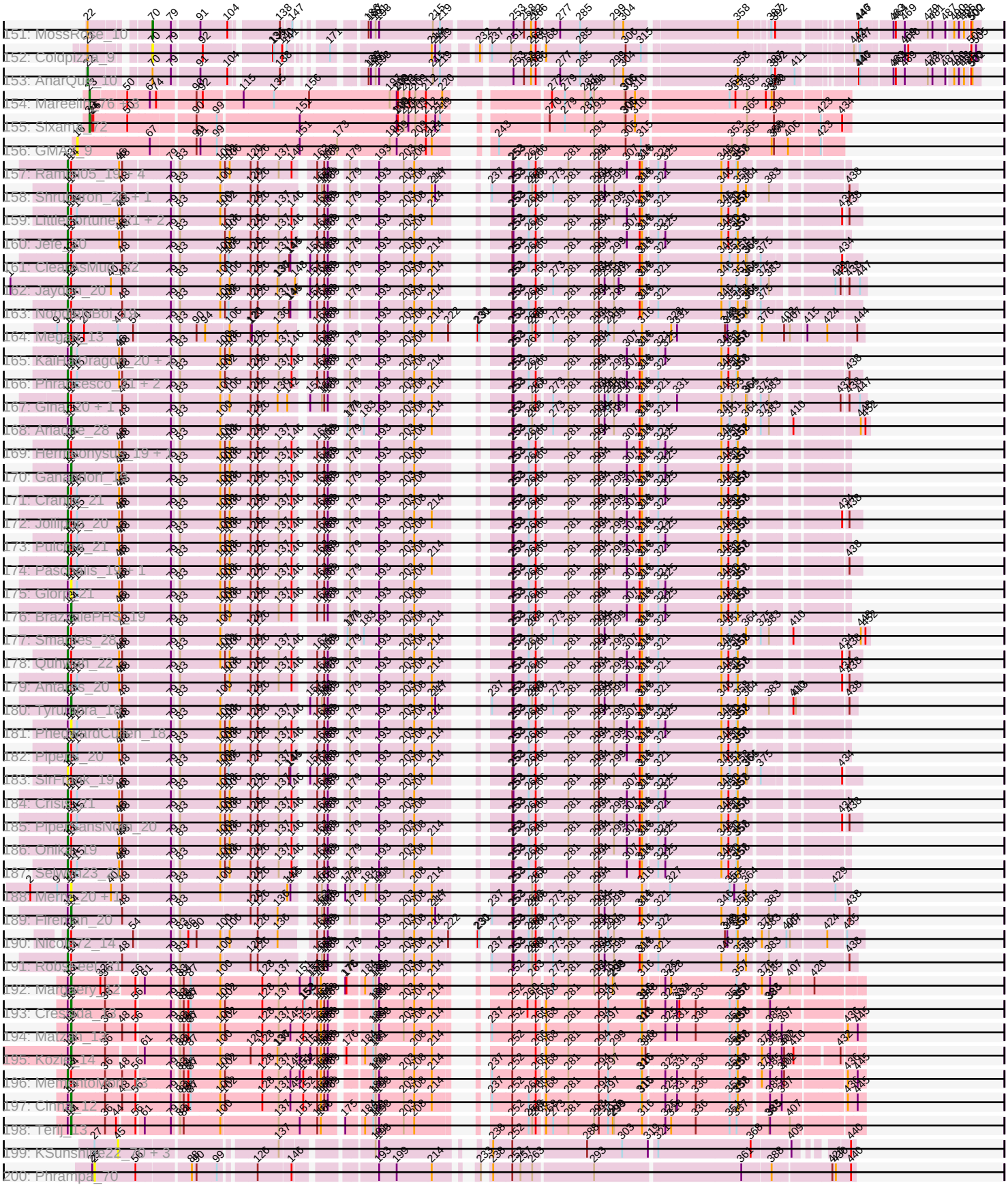
Pham 202542



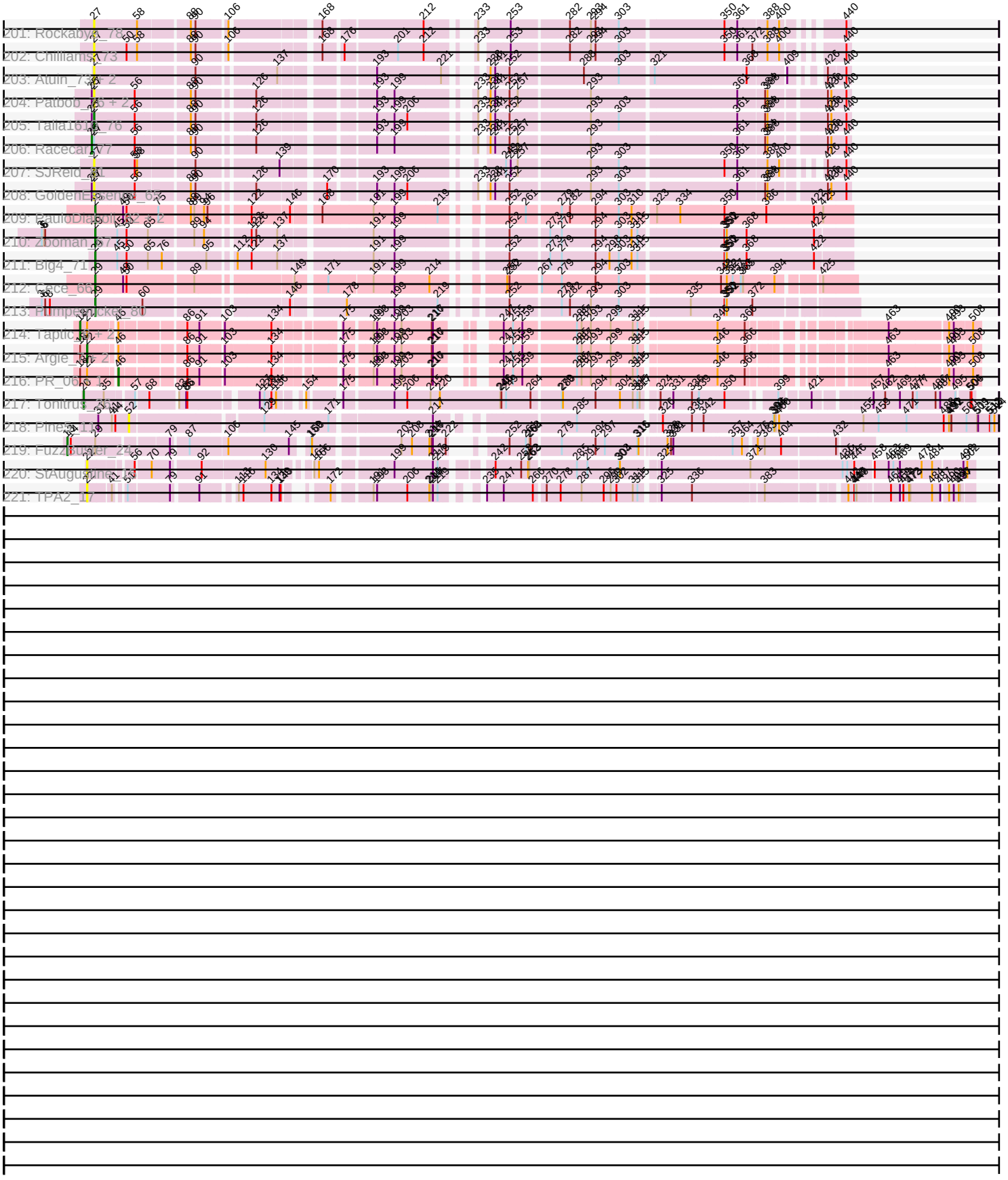
Pham 202542



Pham 202542



Pham 202542



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 202542 Report

This analysis was run 01/18/25 on database version 583.

Pham number 202542 has 699 members, 112 are drafts.

Phages represented in each track:
• Track 1 : Mao1_6, Mask_7
• Track 2 : Sejanus_7, Dori_7
• Track 3 : Struggle_8, MelsMeow_8, Mag7_8, Veritas_8, MichaelPhcott_8, PhrankReynolds_8, Wallhey_8, Labeouficaum_8, Phleuron_8, Oline_8, Derpp_8, PhenghisKhan_8, DuchessDung_8, Ashraf_8, BatteryCK_8, ImtiyazSitla_8, CharlieGBrown_8, Pinkman_8, Maskar_8, TyrionL_8, Kailash_8, Kwksand96_8, Phergie_8
• Track 4 : Banjo_8, Selr12_8, Phareon_8, Morty_8, Newman_8, Orion_8, HenryJackson_8, Weher20_8, Colbert_8, PhatCats2014_8, Eugenia_8, Childish_8, Yoshand_8, Skippy_8, Adriana_8, Kloppinator_8, Grand2040_8, Robyn_8, LemonSlice_8, Legolas_8, Puhltonio_8, Buckeye_8, Pops_8, Virgeve_8, DoesntMatter_8, ThreeOh3D2_8, ProfessorX_8, DonSanchon_8, PhrodoBaggins_8, Riggan_8, Fringe_8, ShiVal_8, Matalotodo_8, Serendipity_8, Craff_8, FriarPreacher_8, True_8, Timmi_8, Surely_8, Kimbrough_8, Haimas_8, Oosterbaan_8, Simielle_8, Spartan300_8, Megatron_8, Aelin_8, Iridoclysis_8, Burr_8, DirtJuice_8, Mana_8, Valjean_8, Usavi_8, SilverBell_8, Eremos_8, Hetaeria_8, Inchworm_8, Cobra_8, Boehler_8, Placalicious_8, KingTut_8, Hamish_8, Vaishali24_8, FluffyNinja_8, Lulwa_8, Badfish_8, Gyarad_008, Xavier_8, TallGrassMM_8, RedMaple_8, Prickles_8, Lopsy_8, UncleHowie_8, Lasso_8, Squiggle_8, BlackStallion_8, Cosmolli16_8, Solosis_8, Potter_8, Fang_8, Sigman_8, AbsoluteMadLad_8, HSavage_8, LeeLot_8, Tooj_8, Altwerkus_8, Emiris_8, Caspiboi_9, Freya_8, OliverWalter_8, Hartsy_8, Thora_8, Suffolk_8, KlimbOn_8, Nicole21_8, Andre_8, TomBombadil_8, ABU_8, Zaider_9, LasagnaCat_8, Kahve_8, YouGoGlencoco_8, MRabcd_8, IsaacEli_8, Mutante_8, Omniscient_8, Vista_8, CampRoach_8, Toni_8, QueenBeane_8, Scoot17C_8, Frankicide_8, Apizium_8, Virapocalypse_8, SassyCat97_8, FugateOSU_8, Piglet_008, Charles1_8, Nacho_008, Mesh1_8, JangoPhett_8, Olak_8, Nyala_8, Antonia_8, Dice_8, Chorkpop_8, LostAndPhound_8, Kikipoo_8, Lego3393_8, HighStump_8, PG1_8, Vortex_8, Mulan_8, PinheadLarry_8, Mecca_8, Mosaic_8, Pherdinand_8, JacAttac_8, Phunky_8, Bluephacebaby_8, Gareth_8, Hertubise_8, Serpentine_008, Phamished_8, Samaymay_8, CamL_8, Telesworld_8, Maru_8, Jillium_8, Magic8_8, Cannibal_8, Vaticameos_8, Podrick_8, Ricotta_8, Dati_8, UAch1_8, Quisquiliae_8, Waterdiva_8, Manad_8, Murdoc_8, Daka_8, Cher_8, Cornobble_8, Morgushi_8, Zelda_8, Kwadwo_8, Squid_8, Slatt_8, Beaglebox_8, Chah_8, Vivaldi_8, Mcshane_8, EmpTee_8, Numberten_8, Tomlarah_8, Pipsqueak_8
• Track 5 : Fozzie_8, Brilliant_8, Plmatters_8, Chunky_8, DaddyDaniels_8, KingVeVeVe_8, Lumine_8, Roliet_8, Melc17_8, Lulumae_8, MitKao_8, Roy17_8,

Held_8, Crownjwl_9, Phipps_8, Longacauda_8, JakeO_8, Etaye_8, Soile_8, Durga_8, LuckyMarjie_8, Soto_8, Jiminy_8, Daffy_8, JDog_8, AltPhacts_8, Dione_8, Roscoe_9, KLucky39_8, Pacifista_8, DelRivs_8, Harvey_8, Zonia_8, Haleema_8, Scrick_8, OSmaximus_8, Duggie_8, Horchata_8, Giraffe_8, SDcharge11_8, GeneCoco_8, Sheila_8, Dingo_8, MiniBoss_8, PhatLouie_8, Mikota_8, Orfeu_8, Doddsville_8, BlueHusk_8
• Track 6 : Swish_8, Sophia_8
• Track 7 : LeiMonet_8, Mesmerelda_9, Basato_9, Khan1_8, ElvisPhasley_8, MrPhizzler_8, Jesabah_9, Swiphy_8, Gwennie1_9, Nathan_9, Coletti_8, Jiraiya_8, Iridessa_8, Thunderbird_8, Chute_8
• Track 8 : AngelCake_8, Gwilliam_9
• Track 9 : Orwigg_9, Inverness_8, Bishoperium_8, Olive_8, Megamind20_9, Anderson_8
• Track 10 : Gophee_8, Katniss_8, CheetO_8, Schueller_8
• Track 11 : Schadenfreude_8
• Track 12 : Windsor_8, Trypo_8, Chaelin_8
• Track 13 : Hocus_8
• Track 14 : Carthage_8
• Track 15 : Keitherie_8
• Track 16 : Rimu_8
• Track 17 : Imvubu_5
• Track 18 : Indlovu_9
• Track 19 : LilMcDreamy_10
• Track 20 : Zenteno07_13
• Track 21 : BirdsNest_12
• Track 22 : Hashim76_13
• Track 23 : Boyle_12, Glass_12
• Track 24 : Arbiter_12
• Track 25 : Kheth_12, Ares_12, Eaglehorse_12, Lephleur_12, FrenchFry_12, Calamitous_12, Blocker23_12, LizLemon_12, Rhinoforte_12, Faze9_12, Lars_12, Kaleb_12, Brownie5_12, Rosebush_12, Tinciduntsolum_13, West99_12, Qyrzula_12, LilSmirk_12, Opia_12, Sabella_12, MasterPo_12, Bananafish_12, Hedgerow_12, Coffee_12
• Track 26 : ItsyBitsy1_12, Phantasmagoria_12, Tres_12, Godines_12, Kolhan_12, Allegro_12, Holeinone_12
• Track 27 : TA17A_12
• Track 28 : Laurie_12
• Track 29 : Vic9_13
• Track 30 : Jackstina_10, Chandler_11, Yinz_11, Casbah_10, Compostia_11, Neos5_11, Corofin_11, Baloo_11, Chalmers_11, Halfpint_10, Daisy_11, Athena_12, RomaT_11, Nozo_11, ChaChing_11, Philly_10, Yahalom_11, Kamiyu_11, OrangeOswald_11, Tydolla_11, Abinghost_11, Gadjet_12, Devonte_11, MmasiCarm_11
• Track 31 : GlenHope_12, Chentzyk_10, Audrey_11, HarveySr_11, Ben11_10, SwainyDoc_11, Gervas_11, Rita1961_11, Phaedrus_10, Morty007_11, Glubnar_11, Heathcliff_11, Marley1013_11, Phlyer_11, SlippinJimmy_11, TinyTerror_11, Briakila_11, Phayeta_11
• Track 32 : RagingRooster_11, Deenasa_11, SynergyX_11
• Track 33 : Pipefish_11, Bernardo_11, Kronus_10, Obutu_11, Mortcellus_10, Akoma_11, LestyG_11
• Track 34 : JAMaL_8
• Track 35 : Apex_8, Mudslide_9, Prince_9
• Track 36 : Fortunato_9

• Track 37 : VioletZ_9, Heath_9
• Track 38 : Antihero_8, Lambano_8, Epah_8, Poster_8, Hally898_8, Nanao_8
• Track 39 : Cooper_9
• Track 40 : Ahwei_8
• Track 41 : Stinger_7
• Track 42 : Nigel_7
• Track 43 : Lolalove_9, BobbyK_9, Hangman_9, Hydro_9, Zemanar_10
• Track 44 : AlanGrant_10, Vincenzo_10
• Track 45 : Magpie_9
• Track 46 : QueenPie_9
• Track 47 : Xincheng_9
• Track 48 : GinPorsche_8
• Track 49 : JaguarMi_10
• Track 50 : Fanaw_9
• Track 51 : Frederick_9
• Track 52 : Mithril_9
• Track 53 : ChrisnMich_8
• Track 54 : Waleliano_9, BrownCNA_10
• Track 55 : Austelle_9
• Track 56 : RawrgerThat_9
• Track 57 : DigitDog_10, Shenyu_10, Nangang_10
• Track 58 : KarasumaRum_11, StinkyVeggy_11
• Track 59 : Rich_10
• Track 60 : SirJeffery_10, Donny_10, Suigeneris_10, Rita130_10
• Track 61 : Phelemich_10, Reprobate_10
• Track 62 : Nehemiah_9, Mysterious_10
• Track 63 : Acadian_10
• Track 64 : Baee_10
• Track 65 : Serendipitous_10
• Track 66 : EastView9101_10
• Track 67 : 40BC_07, 39HC_07
• Track 68 : KayaCho_7
• Track 69 : Hosp_05
• Track 70 : Jolie1_07
• Track 71 : ForDig_7
• Track 72 : Saguaro_11
• Track 73 : Thonko_7
• Track 74 : Quesadilla_11
• Track 75 : PenguinLover67_12
• Track 76 : Knocker_14
• Track 77 : Funsized_14
• Track 78 : CRB2_11
• Track 79 : Rinkes_13
• Track 80 : DonTron_41, Soos_37
• Track 81 : Jollymon_42, ColdSoup_42, Amo99_42
• Track 82 : Clawz_41
• Track 83 : Sting_40, KingstonB_41
• Track 84 : Fugax_12, PinkCoffee_12, Mutzi_12, KimmyK_12, ClamChowder_12, Barb_12, Salvador_12, Twister6_12, Evamon_12, CoveyB_12, Togo_12, Danyall_12, SmokingBunny_12
• Track 85 : YungMoney_12
• Track 86 : Shinji_12, Jambalaya_12, TillyBobJoe_12, Savbucketdawg_12, Portcullis_12

• Track 87 : Halo3_13
• Track 88 : RogerDodger_13
• Track 89 : Fireball_13, Gezellig_12, Phlop_12, Wizard_12, PullumCavea_12
• Track 90 : CherryCola_14, Valary_13
• Track 91 : Arri_13
• Track 92 : Nubi_12
• Track 93 : Bakery_13
• Track 94 : VanDeWege_13
• Track 95 : Clown_16
• Track 96 : YorkOnyx_12
• Track 97 : Ailee_12, Angelicage_12, Keitabear_13
• Track 98 : Sitar_13, Lennon_13
• Track 99 : Charming_10, Tangent_10, Paries_13, Brandonk123_15, BobBob_10
• Track 100 : Bibwit_12, Nordenberg_7, Galadriel_14, Rofo_12
• Track 101 : Bizzy_13, Saronaya_12, Kwobi_12, Ribeye_13, Gustavo_12, LilHam_10, Ashertheman_12, SchottB_11
• Track 102 : Love_14
• Track 103 : Fosterous_10
• Track 104 : Tycho_12, Flatwoods_13
• Track 105 : Kroos_12
• Track 106 : Derg_10
• Track 107 : RiverRaider_13
• Track 108 : FuegoCuervo_16, Barsten_13, Vivi2_11, Geodirt_12, Sedona_13, ChadMasterC_12
• Track 109 : Kamashten_13, Thing3_13
• Track 110 : Baumdotcom_12, StorminNorm_12, Tangerine_12, Gaea_12
• Track 111 : MoontowerMania_11
• Track 112 : Jabberwocky_11, Fitzgerald_11, Kewpiedoll_13, Sanjuju_11
• Track 113 : Stultus_12
• Track 114 : Baddon_12
• Track 115 : Affeca_12
• Track 116 : Shivanishola_12
• Track 117 : JKSyngboy_11
• Track 118 : McKinley_13
• Track 119 : MelBins_13
• Track 120 : Leonard_13, Inspectinfecti_14, Phinally_13, Ali17_11
• Track 121 : EMoore_7
• Track 122 : Hans_15, Phauci_6
• Track 123 : Dexdert_14
• Track 124 : Tiamoceli_14, Chickadee_13, EdmundFerry_12, Twonlo_11, RoadKill_11
• Track 125 : GTE6_14
• Track 126 : Kwekel_13
• Track 127 : Verity_14, Delrey21_14, DoctorFroggo_14
• Track 128 : Scioto_14, ViaConlectus_14, Abblin_14, Natkenzie_14, Sampson_14
• Track 129 : Tardus_14
• Track 130 : APunk_15
• Track 131 : Zitch_15
• Track 132 : Zipp_14
• Track 133 : Lilbeanie_13
• Track 134 : Phendrix_65
• Track 135 : GodonK_66
• Track 136 : Wooper_10

- Track 137 : Evaa_9
- Track 138 : Shatter_8, Fresco_8, Axumite_8
- Track 139 : Sisko_7, Yago84_7, AnClar_7
- Track 140 : CaiB_10
- Track 141 : MakoManhole_10
- Track 142 : NHagos_8
- Track 143 : Ligma_8
- Track 144 : BiggityBass_7
- Track 145 : CharlottesWeb_8, Mariokart_8
- Track 146 : LittleMunchkin_9
- Track 147 : CloverMinnie_10
- Track 148 : BobRoss2024_7
- Track 149 : Yeshua_10
- Track 150 : Sour_11
- Track 151 : MossRose_10
- Track 152 : Coldpizza_9
- Track 153 : AnarQue_10
- Track 154 : Mareelih_76, Boopy_77, BlueNGold_76, Forza_77
- Track 155 : Sixama_72
- Track 156 : GMA2_9
- Track 157 : Ramiel05_19, CrazyRich_19, Shotgun_19, Kowalski_19, Savannah_19
- Track 158 : Shrubaron_20, Metamorphoo_20
- Track 159 : LittleFortune_21, Yeti_20, Phorgeous_19
- Track 160 : Jefe_20
- Track 161 : ClearAsMud_22
- Track 162 : Jayden_20
- Track 163 : NoodlelyBoi_19
- Track 164 : Megan_13
- Track 165 : KaiHaiDragon_20, EarickHC_20
- Track 166 : Phrancesco_21, Honeyfin_21, Scumberland_21
- Track 167 : Gina_20, Teamocil_20
- Track 168 : Ariadne_28
- Track 169 : Hermeonysus_19, Busephilis_20
- Track 170 : Ganandorf_19
- Track 171 : Cranjis_21
- Track 172 : Jollipop_20
- Track 173 : Pulchra_21
- Track 174 : Paschalis_19, PierreOrion_20
- Track 175 : Glorp_21
- Track 176 : BrazzalePHS_19
- Track 177 : Smarties_28
- Track 178 : Quhwah_22
- Track 179 : Antares_20
- Track 180 : Tyrumbra_18
- Track 181 : PhedwardCullen_18
- Track 182 : Piperis_20
- Track 183 : SirFrank_19
- Track 184 : Crisis_21
- Track 185 : PiperSansNom_20
- Track 186 : Onika_19
- Track 187 : Selwyn23_21
- Track 188 : Merry_20, Sunny_20
- Track 189 : Fireman_20

• Track 190 : Nicole72_14
• Track 191 : RobsFeet_21
• Track 192 : Margaery_12
• Track 193 : Cressida_13
• Track 194 : Matzah_13
• Track 195 : Kozie_14
• Track 196 : MementoMori_13
• Track 197 : Cinna_12
• Track 198 : Terij_13
• Track 199 : KSunshine22_70, Ellewin_67, WaddleDee_69, DunneganBoMo_69
• Track 200 : Phrampa_70
• Track 201 : Rockabye_78
• Track 202 : Chilliams_73
• Track 203 : Atuin_73, LeoJr_75, ReginaGlobina_75
• Track 204 : Patbob_76, Bloom_80, Mimi_83
• Track 205 : Talia1610_76
• Track 206 : Racecar_77
• Track 207 : SJReid_81
• Track 208 : GoldenEssence_65
• Track 209 : PauloDiaboli_82, Dodo_82, A3Wally_82
• Track 210 : Zooman_67
• Track 211 : Big4_71
• Track 212 : Cece_66
• Track 213 : Pumpernickel_80
• Track 214 : Taptic_6, Jeon_6, Megabear_6
• Track 215 : Argie_7, GodPhather_7, Cepens_6
• Track 216 : PR_06, D12_06
• Track 217 : Tonitrus_26
• Track 218 : Pine5_11
• Track 219 : FuzzBuster_24
• Track 220 : StAugustine_15
• Track 221 : TPA2_17

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

The start number called the most often in the published annotations is 22, it was called in 397 of the 587 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 39HC_07, 40BC_07, ABU_8, Abinghost_11, AbsoluteMadLad_8, Acadian_10, Adriana_8, Aelin_8, Ahwei_8, Akoma_11, AlanGrant_10, Allegro_12, AltPhacts_8, Altwerkus_8, AnClar_7, AnarQue_10, Andre_8, Antihero_8, Antonia_8, Apex_8, Apizium_8, Arbiter_12, Ares_12, Argie_7, Ashraf_8, Athena_12, Audrey_11, Austelle_9, Axumite_8, Badfish_8, Baee_10, Baloo_11, Bananafish_12, Banjo_8, BatteryCK_8, Beaglebox_8, Ben11_10, Bernardo_11, BiggityBass_7, BirdsNest_12, BlackStallion_8, Blocker23_12, BlueHusk_8, Bluephacebaby_8, BobRoss2024_7, BobbyK_9, Boehler_8, Boyle_12, Briakila_11, Brilliant_8, BrownCNA_10, Brownie5_12, Buckeye_8, Burr_8, CRB2_11, Calamitous_12, CamL_8, CampRoach_8, Cannibal_8, Carthage_8, Casbah_10, Caspiboi_9, Cepens_6, ChaChing_11, Chaelin_8, Chah_8, Chalmers_11, Chandler_11, Charles1_8,

CharlieGBrown_8, Chentzyk_10, Cher_8, Childish_8, Chorkpop_8, ChrisnMich_8, Chunky_8, CloverMinnie_10, Cobra_8, Coffee_12, Colbert_8, Compostia_11, Cooper_9, Cornobble_8, Corofin_11, Cosmolli16_8, Craff_8, Crownjwl_9, DaddyDaniels_8, Daffy_8, Daisy_11, Daka_8, Dati_8, Deenasa_11, DelRivs_8, Derpp_8, Devonte_11, Dice_8, DigitDog_10, Dingo_8, Dione_8, DirtJuice_8, Doddsville_8, DoesntMatter_8, DonSanchon_8, Donny_10, DuchessDung_8, Duggie_8, Durga_8, Eaglehorse_12, EastView9101_10, Emiris_8, EmpTee_8, Epah_8, Eremos_8, Etaye_8, Eugenia_8, Evaa_9, Fang_8, Faze9_12, FluffyNinja_8, ForDig_7, Fortunato_9, Fozzie_8, Frankicide_8, Frederick_9, FrenchFry_12, Fresco_8, Freya_8, FriarPreacher_8, Fringe_8, FugateOSU_8, Funsized_14, Gadjet_12, Gareth_8, GeneCoco_8, Gervas_11, GinPorsche_8, Giraffe_8, Glass_12, GlenHope_12, Glubnar_11, GodPhather_7, Godines_12, Grand2040_8, Gyarad_008, HSavage_8, Haimas_8, Haleema_8, Halfpint_10, Hally898_8, Hamish_8, Hangman_9, Hartsy_8, HarveySr_11, Harvey_8, Hashim76_13, Heath_9, Heathcliff_11, Hedgerow_12, Held_8, HenryJackson_8, Hertubise_8, Hetaeria_8, HighStump_8, Hocus_8, Holeinone_12, Horchata_8, Hosp_05, Hydro_9, ImtiyazSitla_8, Imvubu_5, Inchworm_8, Indlovu_9, Iridoclysis_8, IsaacEli_8, ItsyBitsy1_12, JAMaL_8, JDog_8, JacAttac_8, Jackstina_10, JaguarMi_10, JakeO_8, JangoPhett_8, Jillium_8, Jiminy_8, Jolie1_07, KLucky39_8, Kahve_8, Kailash_8, Kaleb_12, Kamiyu_11, KarasumaRum_11, KayaCho_7, Keitherie_8, Kheth_12, Kikipoo_8, Kimbrough_8, KingTut_8, KingVeVeVe_8, KlimbOn_8, Kloppinator_8, Knocker_14, Kolhan_12, Kronus_10, Kwadwo_8, Kwksand96_8, Labeouficaum_8, Lambano_8, Lars_12, LasagnaCat_8, Lasso_8, Laurie_12, LeeLot_8, Lego3393_8, Legolas_8, LemonSlice_8, Lephleur_12, LestyG_11, LilMcDreamy_10, LilSmirk_12, LittleMunchkin_9, LizLemon_12, Lolalove_9, Longacauda_8, Lopsy_8, LostAndPhound_8, LuckyMarjie_8, Lulumae_8, Lulwa_8, Lumine_8, MRabcd_8, Mag7_8, Magic8_8, Magpie_9, MakoManhole_10, Mana_8, Manad_8, Marley1013_11, Maru_8, Maskar_8, MasterPo_12, Matalotodo_8, Mcshane_8, Mecca_8, Megatron_8, Melc17_8, MelsMeow_8, Mesh1_8, MichaelPhcott_8, Mikota_8, MiniBoss_8, MitKao_8, Mithril_9, MmasiCarm_11, Morgushi_8, Mortcellus_10, Morty007_11, Morty_8, Mosaic_8, Mudslide_9, Mulan_8, Murdoc_8, Mutante_8, Mysterious_10, NHagos_8, Nacho_008, Nanao_8, Nangang_10, Nehemiah_9, Neos5_11, Newman_8, Nicole21_8, Nigel_7, Nozo_11, Numberten_8, Nyala_8, OSmaximus_8, Obutu_11, Olak_8, Oline_8, OliverWalter_8, Omniscient_8, Oosterbaan_8, Opia_12, OrangeOswald_11, Orfeu_8, Orion_8, PG1_8, Pacifista_8, PenguinLover67_12, Phaedrus_10, Phamished_8, Phantasmagoria_12, Phareon_8, PhatCats2014_8, PhatLouie_8, Phayeta_11, Phelemich_10, PhenghisKhan_8, Pherdinand_8, Phergie_8, Philly_10, Phipps_8, Phleuron_8, Phlyer_11, PhrankReynolds_8, PhrodoBaggins_8, Phunky_8, Piglet_008, PinheadLarry_8, Pinkman_8, Pipefish_11, Pipsqueak_8, Placalicious_8, Plmatters_8, Podrick_8, Pops_8, Poster_8, Potter_8, Prickles_8, Prince_9, ProfessorX_8, Puhltonio_8, QueenBeane_8, QueenPie_9, Quesadilla_11, Quisquiliae_8, Qyrzula_12, RagingRooster_11, RedMaple_8, Reprobate_10, Rhinoforte_12, Rich_10, Ricotta_8, Riggan_8, Rinkes_13, Rita130_10, Rita1961_11, Robyn_8, Roliet_8, RomaT_11, Roscoe_9, Rosebush_12, Roy17_8, SDcharge11_8, Sabella_12, Saguaro_11, Samaymay_8, SassyCat97_8, Schadenfreude_8, Scoot17C_8, Scrick_8, Selr12_8, Serendipitous_10, Serendipity_8, Serpentine_008, Shatter_8, Sheila_8, Shenyu_10, ShiVal_8, Sigman_8, SilverBell_8, Simielle_8, SirJeffery_10, Sisko_7, Skippy_8, Slatt_8, SlippinJimmy_11, Soile_8, Solosis_8, Sophia_8, Soto_8, Sour_11, Spartan300_8, Squid_8, Squiggle_8, StAugustine_15, Stinger_7, StinkyVeggy_11, Struggle_8, Suffolk_8, Suigeneris_10, Surely_8, SwainyDoc_11, Swish_8, SynergyX_11, TA17A_12, TPA2_17, TallGrassMM_8, Telesworld_8, Thonko_7, Thora_8, ThreeOh3D2_8, Timmi_8, Tinciduntsolum_13, TinyTerror_11,

TomBombadil_8, Tomlarah_8, Toni_8, Tooj_8, Tres_12, True_8, Trypo_8, Tydolla_11, TyrionL_8, UAch1_8, UncleHowie_8, Usavi_8, Vaishali24_8, Valjean_8, Vaticameos_8, Veritas_8, Vic9_13, Vincenzo_10, VioletZ_9, Virapocalypse_8, Virgeve_8, Vista_8, Vivaldi_8, Vortex_8, Waleliano_9, Wallhey_8, Waterdiva_8, Weher20_8, West99_12, Windsor_8, Wooper_10, Xavier_8, Yago84_7, Yahalom_11, Yeshua_10, Yinz_11, Yoshand_8, YouGoGlencoco_8, Zaider_9, Zelda_8, Zemanar_10, Zenteno07_13, Zonia_8,

Genes that have the "Most Annotated" start but do not call it:
• Anderson_8, AngelCake_8, Basato_9, Bishoperium_8, CaiB_10, CharlottesWeb_8, CheetO_8, Chute_8, Coldpizza_9, Coletti_8, D12_06, Dori_7, ElvisPhasley_8, Fanaw_9, Gophee_8, Gwennie1_9, Gwilliam_9, Inverness_8, Iridessa_8, Jeon_6, Jesabah_9, Jiraiya_8, Katniss_8, Khan1_8, LeiMonet_8, Ligma_8, Mao1_6, Mariokart_8, Mask_7, Megabear_6, Megamind20_9, Mesmerelda_9, MossRose_10, MrPhizzler_8, Nathan_9, Olive_8, Orwigg_9, PR_06, RawrgerThat_9, Rimu_8, Schueller_8, Sejanus_7, Swiphy_8, Taptic_6, Thunderbird_8, Xincheng_9,

Genes that do not have the "Most Annotated" start:
• A3Wally_82, APunk_15, Abblin_14, Affeca_12, Ailee_12, Ali17_11, Amo99_42, Angelicage_12, Antares_20, Ariadne_28, Arri_13, Ashertheman_12, Atuin_73, Baddon_12, Bakery_13, Barb_12, Barsten_13, Baumdotcom_12, Bibwit_12, Big4_71, Bizzy_13, Bloom_80, BlueNGold_76, BobBob_10, Boopy_77, Brandonk123_15, BrazzalePHS_19, Busephilis_20, Cece_66, ChadMasterC_12, Charming_10, CherryCola_14, Chickadee_13, Chilliams_73, Cinna_12, ClamChowder_12, Clawz_41, ClearAsMud_22, Clown_16, ColdSoup_42, CoveyB_12, Cranjis_21, CrazyRich_19, Cressida_13, Crisis_21, Danyall_12, Delrey21_14, Derg_10, Dexdert_14, DoctorFroggo_14, Dodo_82, DonTron_41, DunneganBoMo_69, EMoore_7, EarickHC_20, EdmundFerry_12, Ellewin_67, Evamon_12, Fireball_13, Fireman_20, Fitzgerald_11, Flatwoods_13, Forza_77, Fosterous_10, FuegoCuervo_16, Fugax_12, FuzzBuster_24, GMA2_9, GTE6_14, Gaea_12, Galadriel_14, Ganandorf_19, Geodirt_12, Gezellig_12, Gina_20, Glorp_21, GodonK_66, GoldenEssence_65, Gustavo_12, Halo3_13, Hans_15, Hermeonysus_19, Honeyfin_21, Inspectinfecti_14, JKSyngboy_11, Jabberwocky_11, Jambalaya_12, Jayden_20, Jefe_20, Jollipop_20, Jollymon_42, KSunshine22_70, KaiHaiDragon_20, Kamashten_13, Keitabear_13, Kewpiedoll_13, KimmyK_12, KingstonB_41, Kowalski_19, Kozie_14, Kroos_12, Kwekel_13, Kwobi_12, Lennon_13, LeoJr_75, Leonard_13, LilHam_10, Lilbeanie_13, LittleFortune_21, Love_14, Mareelih_76, Margaery_12, Matzah_13, McKinley_13, Megan_13, MelBins_13, MementoMori_13, Merry_20, Metamorphoo_20, Mimi_83, MoontowerMania_11, Mutzi_12, Natkenzie_14, Nicole72_14, NoodlelyBoi_19, Nordenberg_7, Nubi_12, Onika_19, Paries_13, Paschalis_19, Patbob_76, PauloDiaboli_82, Phauci_6, PhedwardCullen_18, Phendrix_65, Phinally_13, Phlop_12, Phorgeous_19, Phrampa_70, Phrancesco_21, PierreOrion_20, Pine5_11, PinkCoffee_12, PiperSansNom_20, Piperis_20, Portcullis_12, Pulchra_21, PullumCavea_12, Pumpernickel_80, Quhwah_22, Racecar_77, Ramiel05_19, ReginaGlobina_75, Ribeye_13, RiverRaider_13, RoadKill_11, RobsFeet_21, Rockabye_78, Rofo_12, RogerDodger_13, SJReid_81, Salvador_12, Sampson_14, Sanjuju_11, Saronaya_12, Savannah_19, Savbucketdawg_12, SchottB_11, Scioto_14, Scumberland_21, Sedona_13, Selwyn23_21, Shinji_12, Shivanishola_12, Shotgun_19, Shrubaron_20, SirFrank_19, Sitar_13, Sixama_72, Smarties_28, SmokingBunny_12, Soos_37, Sting_40, StorminNorm_12, Stultus_12, Sunny_20, Talia1610_76, Tangent_10, Tangerine_12, Tardus_14, Teamocil_20, Terij_13, Thing3_13, Tiamoceli_14, TillyBobJoe_12, Togo_12, Tonitrus_26, Twister6_12,

Twonlo_11, Tycho_12, Tyrumbra_18, Valary_13, VanDeWege_13, Verity_14, ViaConlectus_14, Vivi2_11, WaddleDee_69, Wizard_12, Yeti_20, YorkOnyx_12, YungMoney_12, Zipp_14, Zitch_15, Zooman_67,

Summary by start number:

Start 4:
• Found in 1 of 699 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 587
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lilbeanie_13 (DE5),

Start 7:
• Found in 114 of 699 (16.3%) of genes in pham
• Manual Annotations of this start: 97 of 587
• Called 100.0% of time when present
• Phage (with cluster) where this start called: APunk_15 (DE4), Abblin_14 (DE4), Affeca_12 (DE1), Ailee_12 (DE1), Ali17_11 (DE2), Angelicage_12 (DE1), Arri_13 (DC1), Asherthеman_12 (DE1), Baddon_12 (DE1), Bakery_13 (DC1), Barb_12 (DC1), Barsten_13 (DE1), Baumdotcom_12 (DE1), Bibwit_12 (DE1), Bizzy_13 (DE1), BobBob_10 (DE1), Brandonk123_15 (DE1), ChadMasterC_12 (DE1), Charming_10 (DE1), CherryCola_14 (DC1), Chickadee_13 (DE3), ClamChowder_12 (DC1), Clown_16 (DC2), CoveyB_12 (DC1), Danyall_12 (DC1), Delrey21_14 (DE4), Derg_10 (DE1), Dexdert_14 (DE3), DoctorFroggo_14 (DE4), EMoore_7 (DE2), EdmundFerry_12 (DE3), Evamon_12 (DC1), Fireball_13 (DC1), Fitzgerald_11 (DE1), Flatwoods_13 (DE1), Fosterous_10 (DE1), FuegoCuervo_16 (DE1), Fugax_12 (DC1), GTE6_14 (DE3), Gaea_12 (DE1), Galadriel_14 (DE1), Geodirt_12 (DE1), Gezellig_12 (DC1), Gustavo_12 (DE1), Halo3_13 (DC1), Hans_15 (DE2), Inspectinfecti_14 (DE2), JKSyngboy_11 (DE1), Jabberwocky_11 (DE1), Jambalaya_12 (DC1), Kamashten_13 (DE1), Keitabear_13 (DE1), Kewpiedoll_13 (DE1), KimmyK_12 (DC1), Kroos_12 (DE1), Kwekel_13 (DE3), Kwobi_12 (DE1), Lennon_13 (DE1), Leonard_13 (DE2), LilHam_10 (DE1), Love_14 (DE1), McKinley_13 (DE1), MelBins_13 (DE2), MoontowerMania_11 (DE1), Mutzi_12 (DC1), Natkenzie_14 (DE4), Nordenberg_7 (DE1), Nubi_12 (DC1), Paries_13 (DE1), Phauci_6 (DE2), Phinally_13 (DE2), Phlop_12 (DC1), PinkCoffee_12 (DC1), Portcullis_12 (DC1), PullumCavea_12 (DC1), Ribeye_13 (DE1), RiverRaider_13 (DE1), RoadKill_11 (DE3), Rofo_12 (DE1), RogerDodger_13 (DC1), Salvador_12 (DC1), Sampson_14 (DE4), Sanjuju_11 (DE1), Saronaya_12 (DE1), Savbucketdawg_12 (DC1), SchottB_11 (DE1), Scioto_14 (DE4), Sedona_13 (DE1), Shinji_12 (DC1), Shivanishola_12 (DE1), Sitar_13 (DE1), SmokingBunny_12 (DC1), StorminNorm_12 (DE1), Stultus_12 (DE1), Tangent_10 (DE1), Tangerine_12 (DE1), Tardus_14 (DE4), Thing3_13 (DE1), Tiamoceli_14 (DE3), TillyBobJoe_12 (DC1), Togo_12 (DC1), Twister6_12 (DC1), Twonlo_11 (DE3), Tycho_12 (DE1), Valary_13 (DC1), VanDeWege_13 (DC1), Verity_14 (DE4), ViaConlectus_14 (DE4), Vivi2_11 (DE1), Wizard_12 (DC1), YorkOnyx_12 (DE1), YungMoney_12 (DC1), Zipp_14 (DE4), Zitch_15 (DE4),

Start 13:
• Found in 57 of 699 (8.2%) of genes in pham
• Manual Annotations of this start: 37 of 587
• Called 70.2% of time when present
• Phage (with cluster) where this start called: Antares_20 (EC), Busephilis_20 (EC), ClearAsMud_22 (EC), Cranjis_21 (EC), CrazyRich_19 (EC), Crisis_21 (EC), FuzzBuster_24 (singleton), Gina_20 (EC), Hermeonysus_19 (EC), Honeyfin_21 (EC),

Jayden_20 (EC), Jefe_20 (EC), Jollipop_20 (EC), Kowalski_19 (EC), LittleFortune_21 (EC), Megan_13 (EC), MementoMori_13 (EI), Metamorphoo_20 (EC), Nicole72_14 (EC), NoodlelyBoi_19 (EC), Onika_19 (EC), Paschalis_19 (EC), Phorgeous_19 (EC), Phrancesco_21 (EC), PierreOrion_20 (EC), PiperSansNom_20 (EC), Piperis_20 (EC), Pulchra_21 (EC), Quhwah_22 (EC), Ramiel05_19 (EC), RobsFeet_21 (EC), Savannah_19 (EC), Scumberland_21 (EC), Selwyn23_21 (EC), Shotgun_19 (EC), Shrubaron_20 (EC), SirFrank_19 (EC), Smarties_28 (EC), Teamocil_20 (EC), Yeti_20 (EC),

Start 14:
• Found in 58 of 699 (8.3%) of genes in pham
• Manual Annotations of this start: 13 of 587
• Called 29.3% of time when present
• Phage (with cluster) where this start called: Ariadne_28 (EC), BrazzalePHS_19 (EC), Cinna_12 (EI), Cressida_13 (EI), EarickHC_20 (EC), Fireman_20 (EC), Ganandorf_19 (EC), Glorp_21 (EC), KaiHaiDragon_20 (EC), Kozie_14 (EI), Margaery_12 (EI), Matzah_13 (EI), Merry_20 (EC), PhedwardCullen_18 (EC), Sunny_20 (EC), Terij_13 (EI), Tyrumbra_18 (EC),

Start 16:
• Found in 1 of 699 (0.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA2_9 (DS),

Start 18:
• Found in 12 of 699 (1.7%) of genes in pham
• Manual Annotations of this start: 7 of 587
• Called 58.3% of time when present
• Phage (with cluster) where this start called: Dori_7 (AD), Jeon_6 (W), Mao1_6 (AD), Mask_7 (AD), Megabear_6 (W), Sejanus_7 (AD), Taptic_6 (W),

Start 19:
• Found in 3 of 699 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 587
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Phendrix_65 (DK),

Start 20:
• Found in 10 of 699 (1.4%) of genes in pham
• Manual Annotations of this start: 4 of 587
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Amo99_42 (CP), Clawz_41 (CP), ColdSoup_42 (CP), DonTron_41 (CP), Jollymon_42 (CP), KingstonB_41 (CP), Soos_37 (CP), Sting_40 (CP), Tonitrus_26 (singleton),

Start 21:
• Found in 11 of 699 (1.6%) of genes in pham
• Manual Annotations of this start: 1 of 587
• Called 9.1% of time when present
• Phage (with cluster) where this start called: GodonK_66 (DK),

Start 22:

• Found in 485 of 699 (69.4%) of genes in pham
• Manual Annotations of this start: 397 of 587
• Called 90.5% of time when present
• Phage (with cluster) where this start called: 39HC_07 (B6), 40BC_07 (B6), ABU_8 (B1), Abinghost_11 (B3), AbsoluteMadLad_8 (B1), Acadian_10 (B5), Adriana_8 (B1), Aelin_8 (B1), Ahwei_8 (B4), Akoma_11 (B3), AlanGrant_10 (B4), Allegro_12 (B2), AltPhacts_8 (B1), Altwerkus_8 (B1), AnClar_7 (DR), AnarQue_10 (DR), Andre_8 (B1), Antihero_8 (B4), Antonia_8 (B1), Apex_8 (B4), Apizium_8 (B1), Arbiter_12 (B2), Ares_12 (B2), Argie_7 (W), Ashraf_8 (B1), Athena_12 (B3), Audrey_11 (B3), Austelle_9 (B4), Axumite_8 (DR), Badfish_8 (B1), Baee_10 (B5), Baloo_11 (B3), Bananafish_12 (B2), Banjo_8 (B1), BatteryCK_8 (B1), Beaglebox_8 (B1), Ben11_10 (B3), Bernardo_11 (B3), BiggityBass_7 (DR), BirdsNest_12 (B13), BlackStallion_8 (B1), Blocker23_12 (B2), BlueHusk_8 (B1), Bluephacebaby_8 (B1), BobRoss2024_7 (DR), BobbyK_9 (B4), Boehler_8 (B1), Boyle_12 (B2), Briakila_11 (B3), Brilliant_8 (B1), BrownCNA_10 (B4), Brownie5_12 (B2), Buckeye_8 (B1), Burr_8 (B1), CRB2_11 (B9), Calamitous_12 (B2), CamL_8 (B1), CampRoach_8 (B1), Cannibal_8 (B1), Carthage_8 (B1), Casbah_10 (B3), Caspiboi_9 (B1), Cepens_6 (W), ChaChing_11 (B3), Chaelin_8 (B1), Chah_8 (B1), Chalmers_11 (B3), Chandler_11 (B3), Charles1_8 (B1), CharlieGBrown_8 (B1), Chentzyk_10 (B3), Cher_8 (B1), Childish_8 (B1), Chorkpop_8 (B1), ChrisnMich_8 (B4), Chunky_8 (B1), CloverMinnie_10 (DR), Cobra_8 (B1), Coffee_12 (B2), Colbert_8 (B1), Compostia_11 (B3), Cooper_9 (B4), Cornobble_8 (B1), Corofin_11 (B3), Cosmolli16_8 (B1), Craff_8 (B1), Crownjwl_9 (B1), DaddyDaniels_8 (B1), Daffy_8 (B1), Daisy_11 (B3), Daka_8 (B1), Dati_8 (B1), Deenasa_11 (B3), DelRivs_8 (B1), Derpp_8 (B1), Devonte_11 (B3), Dice_8 (B1), DigitDog_10 (B5), Dingo_8 (B1), Dione_8 (B1), DirtJuice_8 (B1), Doddsville_8 (B1), DoesntMatter_8 (B1), DonSanchon_8 (B1), Donny_10 (B5), DuchessDung_8 (B1), Duggie_8 (B1), Durga_8 (B1), Eaglehorse_12 (B2), EastView9101_10 (B5), Emiris_8 (B1), EmpTee_8 (B1), Epah_8 (B4), Eremos_8 (B1), Etaye_8 (B1), Eugenia_8 (B1), Evaa_9 (DR), Fang_8 (B1), Faze9_12 (B2), FluffyNinja_8 (B1), ForDig_7 (B6), Fortunato_9 (B4), Fozzie_8 (B1), Frankicide_8 (B1), Frederick_9 (B4), FrenchFry_12 (B2), Fresco_8 (DR), Freya_8 (B1), FriarPreacher_8 (B1), Fringe_8 (B1), FugateOSU_8 (B1), Funsized_14 (B9), Gadjet_12 (B3), Gareth_8 (B1), GeneCoco_8 (B1), Gervas_11 (B3), GinPorsche_8 (B4), Giraffe_8 (B1), Glass_12 (B2), GlenHope_12 (B3), Glubnar_11 (B3), GodPhather_7 (W), Godines_12 (B2), Grand2040_8 (B1), Gyarad_008 (B1), HSavage_8 (B1), Haimas_8 (B1), Haleema_8 (B1), Halfpint_10 (B3), Hally898_8 (B4), Hamish_8 (B1), Hangman_9 (B4), Hartsy_8 (B1), HarveySr_11 (B3), Harvey_8 (B1), Hashim76_13 (B13), Heath_9 (B4), Heathcliff_11 (B3), Hedgerow_12 (B2), Held_8 (B1), HenryJackson_8 (B1), Hertubise_8 (B1), Hetaeria_8 (B1), HighStump_8 (B1), Hocus_8 (B1), Holeinone_12 (B2), Horchata_8 (B1), Hosp_05 (B6), Hydro_9 (B4), ImtiyazSitla_8 (B1), Imvubu_5 (B10), Inchworm_8 (B1), Indlovu_9 (B11), Iridoclysis_8 (B1), IsaacEli_8 (B1), ItsyBitsy1_12 (B2), JAMaL_8 (B4), JDog_8 (B1), JacAttac_8 (B1), Jackstina_10 (B3), JaguarMi_10 (B4), JakeO_8 (B1), JangoPhett_8 (B1), Jillium_8 (B1), Jiminy_8 (B1), Jolie1_07 (B6), KLucky39_8 (B1), Kahve_8 (B1), Kailash_8 (B1), Kaleb_12 (B2), Kamiyu_11 (B3), KarasumaRum_11 (B5), KayaCho_7 (B6), Keitherie_8 (B1), Kheth_12 (B2), Kikipoo_8 (B1), Kimbrough_8 (B1), KingTut_8 (B1), KingVeVeVe_8 (B1), KlimbOn_8 (B1), Kloppinator_8 (B1), Knocker_14 (B9), Kolhan_12 (B2), Kronus_10 (B3), Kwadwo_8 (B1), Kwksand96_8 (B1), Labeouficaum_8 (B1), Lambano_8 (B4), Lars_12 (B2), LasagnaCat_8 (B1), Lasso_8 (B1), Laurie_12 (B2), LeeLot_8 (B1), Lego3393_8 (B1), Legolas_8 (B1), LemonSlice_8 (B1), Lephleur_12 (B2), LestyG_11 (B3), LilMcDreamy_10 (B12), LilSmirk_12 (B2), LittleMunchkin_9 (DR), LizLemon_12 (B2), Lolalove_9 (B4), Longacauda_8 (B1), Lopsy_8 (B1), LostAndPhound_8 (B1), LuckyMarjie_8 (B1), Lulumae_8 (B1), Lulwa_8 (B1),

Lumine_8 (B1), MRabcd_8 (B1), Mag7_8 (B1), Magic8_8 (B1), Magpie_9 (B4), MakoManhole_10 (DR), Mana_8 (B1), Manad_8 (B1), Marley1013_11 (B3), Maru_8 (B1), Maskar_8 (B1), MasterPo_12 (B2), Matalotodo_8 (B1), Mcshane_8 (B1), Mecca_8 (B1), Megatron_8 (B1), Melc17_8 (B1), MelsMeow_8 (B1), Mesh1_8 (B1), MichaelPhcott_8 (B1), Mikota_8 (B1), MiniBoss_8 (B1), MitKao_8 (B1), Mithril_9 (B4), MmasiCarm_11 (B3), Morgushi_8 (B1), Mortcellus_10 (B3), Morty007_11 (B3), Morty_8 (B1), Mosaic_8 (B1), Mudslide_9 (B4), Mulan_8 (B1), Murdoc_8 (B1), Mutante_8 (B1), Mysterious_10 (B5), NHagos_8 (DR), Nacho_008 (B1), Nanao_8 (B4), Nangang_10 (B5), Nehemiah_9 (B5), Neos5_11 (B3), Newman_8 (B1), Nicole21_8 (B1), Nigel_7 (B4), Nozo_11 (B3), Numberten_8 (B1), Nyala_8 (B1), OSmaximus_8 (B1), Obutu_11 (B3), Olak_8 (B1), Oline_8 (B1), OliverWalter_8 (B1), Omniscient_8 (B1), Oosterbaan_8 (B1), Opia_12 (B2), OrangeOswald_11 (B3), Orfeu_8 (B1), Orion_8 (B1), PG1_8 (B1), Pacifista_8 (B1), PenguinLover67_12 (B9), Phaedrus_10 (B3), Phamished_8 (B1), Phantasmagoria_12 (B2), Phareon_8 (B1), PhatCats2014_8 (B1), PhatLouie_8 (B1), Phayeta_11 (B3), Phelemich_10 (B5), PhenghisKhan_8 (B1), Pherdinand_8 (B1), Phergie_8 (B1), Philly_10 (B3), Phipps_8 (B1), Phleuron_8 (B1), Phlyer_11 (B3), PhrankReynolds_8 (B1), PhrodoBaggins_8 (B1), Phunky_8 (B1), Piglet_008 (B1), PinheadLarry_8 (B1), Pinkman_8 (B1), Pipefish_11 (B3), Pipsqueak_8 (B1), Placalicious_8 (B1), Plmatters_8 (B1), Podrick_8 (B1), Pops_8 (B1), Poster_8 (B4), Potter_8 (B1), Prickles_8 (B1), Prince_9 (B4), ProfessorX_8 (B1), Puhltonio_8 (B1), QueenBeane_8 (B1), QueenPie_9 (B4), Quesadilla_11 (B9), Quisquiliae_8 (B1), Qyrzula_12 (B2), RagingRooster_11 (B3), RedMaple_8 (B1), Reprobate_10 (B5), Rhinoforte_12 (B2), Rich_10 (B5), Ricotta_8 (B1), Riggan_8 (B1), Rinkes_13 (B9), Rita130_10 (B5), Rita1961_11 (B3), Robyn_8 (B1), Roliet_8 (B1), RomaT_11 (B3), Roscoe_9 (B1), Rosebush_12 (B2), Roy17_8 (B1), SDcharge11_8 (B1), Sabella_12 (B2), Saguaro_11 (B7), Samaymay_8 (B1), SassyCat97_8 (B1), Schadenfreude_8 (B1), Scoot17C_8 (B1), Scrick_8 (B1), Selr12_8 (B1), Serendipitous_10 (B5), Serendipity_8 (B1), Serpentine_008 (B1), Shatter_8 (DR), Sheila_8 (B1), Shenyu_10 (B5), ShiVal_8 (B1), Sigman_8 (B1), SilverBell_8 (B1), Simielle_8 (B1), SirJeffery_10 (B5), Sisko_7 (DR), Skippy_8 (B1), Slatt_8 (B1), SlippinJimmy_11 (B3), Soile_8 (B1), Solosis_8 (B1), Sophia_8 (B1), Soto_8 (B1), Sour_11 (DR), Spartan300_8 (B1), Squid_8 (B1), Squiggle_8 (B1), StAugustine_15 (singleton), Stinger_7 (B4), StinkyVeggy_11 (B5), Struggle_8 (B1), Suffolk_8 (B1), Suigeneris_10 (B5), Surely_8 (B1), SwainyDoc_11 (B3), Swish_8 (B1), SynergyX_11 (B3), TA17A_12 (B2), TPA2_17 (singleton), TallGrassMM_8 (B1), Telesworld_8 (B1), Thonko_7 (B8), Thora_8 (B1), ThreeOh3D2_8 (B1), Timmi_8 (B1), Tinciduntsolum_13 (B2), TinyTerror_11 (B3), TomBombadil_8 (B1), Tomlarah_8 (B1), Toni_8 (B1), Tooj_8 (B1), Tres_12 (B2), True_8 (B1), Trypo_8 (B1), Tydolla_11 (B3), TyrionL_8 (B1), UAch1_8 (B1), UncleHowie_8 (B1), Usavi_8 (B1), Vaishali24_8 (B1), Valjean_8 (B1), Vaticameos_8 (B1), Veritas_8 (B1), Vic9_13 (B2), Vincenzo_10 (B4), VioletZ_9 (B4), Virapocalypse_8 (B1), Virgeve_8 (B1), Vista_8 (B1), Vivaldi_8 (B1), Vortex_8 (B1), Waleliano_9 (B4), Wallhey_8 (B1), Waterdiva_8 (B1), Weher20_8 (B1), West99_12 (B2), Windsor_8 (B1), Wooper_10 (DR), Xavier_8 (B1), Yago84_7 (DR), Yahalom_11 (B3), Yeshua_10 (DR), Yinz_11 (B3), Yoshand_8 (B1), YouGoGlencoco_8 (B1), Zaider_9 (B1), Zelda_8 (B1), Zemanar_10 (B4), Zenteno07_13 (B13), Zonia_8 (B1),

Start 23:
• Found in 5 of 699 (0.7%) of genes in pham
• Manual Annotations of this start: 5 of 587
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlueNGold_76 (DS), Boopy_77 (DS), Forza_77 (DS), Mareelih_76 (DS), Sixama_72 (DS),

Start 25:
• Found in 7 of 699 (1.0%) of genes in pham
• Manual Annotations of this start: 1 of 587
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Racecar_77 (FC),

Start 27:
• Found in 22 of 699 (3.1%) of genes in pham
• Manual Annotations of this start: 1 of 587
• Called 54.5% of time when present
• Phage (with cluster) where this start called: Atuin_73 (FC), Bloom_80 (FC), Chilliams_73 (FC), GoldenEssence_65 (FC), LeoJr_75 (FC), Mimi_83 (FC), Patbob_76 (FC), Phrampa_70 (FC), ReginaGlobina_75 (FC), Rockabye_78 (FC), SJReid_81 (FC), Talia1610_76 (FC),

Start 28:
• Found in 234 of 699 (33.5%) of genes in pham
• Manual Annotations of this start: 5 of 587
• Called 3.8% of time when present
• Phage (with cluster) where this start called: Anderson_8 (B1), Bishoperium_8 (B1), Fanaw_9 (B4), Inverness_8 (B1), Megamind20_9 (B1), Olive_8 (B1), Orwigg_9 (B1), RawrgerThat_9 (B4), Xincheng_9 (B4),

Start 29:
• Found in 8 of 699 (1.1%) of genes in pham
• Manual Annotations of this start: 6 of 587
• Called 87.5% of time when present
• Phage (with cluster) where this start called: A3Wally_82 (GD1), Big4_71 (GD2), Cece_66 (GD3), Dodo_82 (GD1), PauloDiaboli_82 (GD1), Pumpernickel_80 (GD4), Zooman_67 (GD2),

Start 39:
• Found in 6 of 699 (0.9%) of genes in pham
• Manual Annotations of this start: 2 of 587
• Called 50.0% of time when present
• Phage (with cluster) where this start called: CharlottesWeb_8 (DR), Ligma_8 (DR), Mariokart_8 (DR),

Start 45:
• Found in 13 of 699 (1.9%) of genes in pham
• No Manual Annotations of this start.
• Called 30.8% of time when present
• Phage (with cluster) where this start called: DunneganBoMo_69 (FC), Ellewin_67 (FC), KSunshine22_70 (FC), WaddleDee_69 (FC),

Start 46:
• Found in 77 of 699 (11.0%) of genes in pham
• Manual Annotations of this start: 2 of 587
• Called 2.6% of time when present
• Phage (with cluster) where this start called: D12_06 (W), PR_06 (W),

Start 52:

• Found in 1 of 699 (0.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pine5_11 (singleton),

Start 64:
• Found in 290 of 699 (41.5%) of genes in pham
• Manual Annotations of this start: 5 of 587
• Called 6.6% of time when present
• Phage (with cluster) where this start called: Basato_9 (B1), CheetO_8 (B1), Chute_8 (B1), Coletti_8 (B1), ElvisPhasley_8 (B1), Gophee_8 (B1), Gwennie1_9 (B1), Iridessa_8 (B1), Jesabah_9 (B1), Jiraiya_8 (B1), Katniss_8 (B1), Khan1_8 (B1), LeiMonet_8 (B1), Mesmerelda_9 (B1), MrPhizzler_8 (B1), Nathan_9 (B1), Schueller_8 (B1), Swiphy_8 (B1), Thunderbird_8 (B1),

Start 70:
• Found in 66 of 699 (9.4%) of genes in pham
• Manual Annotations of this start: 2 of 587
• Called 4.5% of time when present
• Phage (with cluster) where this start called: CaiB_10 (DR), Coldpizza_9 (DR), MossRose_10 (DR),

Start 72:
• Found in 284 of 699 (40.6%) of genes in pham
• No Manual Annotations of this start.
• Called 1.1% of time when present
• Phage (with cluster) where this start called: AngelCake_8 (B1), Gwilliam_9 (B1), Rimu_8 (B1),

Summary by clusters:

There are 34 clusters represented in this pham: GD1, singleton, GD3, GD4, DK, GD2, FC, B12, B13, B10, B11, DR, DS, EI, AD, EC, W, CP, DC2, DC1, DE1, DE2, DE3, DE4, DE5, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster AD:
•Start number 18 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster B1:
•Start number 22 was manually annotated 254 times for cluster B1.
•Start number 28 was manually annotated 4 times for cluster B1.
•Start number 64 was manually annotated 5 times for cluster B1.

Info for manual annotations of cluster B10:
•Start number 22 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:
•Start number 22 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 22 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

•Start number 22 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B2:
•Start number 22 was manually annotated 32 times for cluster B2.

Info for manual annotations of cluster B3:
•Start number 22 was manually annotated 45 times for cluster B3.

Info for manual annotations of cluster B4:
•Start number 22 was manually annotated 24 times for cluster B4.
•Start number 28 was manually annotated 1 time for cluster B4.

Info for manual annotations of cluster B5:
•Start number 22 was manually annotated 9 times for cluster B5.

Info for manual annotations of cluster B6:
•Start number 22 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:
•Start number 22 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 22 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 22 was manually annotated 6 times for cluster B9.

Info for manual annotations of cluster CP:
•Start number 20 was manually annotated 3 times for cluster CP.

Info for manual annotations of cluster DC1:
•Start number 7 was manually annotated 28 times for cluster DC1.

Info for manual annotations of cluster DC2:
•Start number 7 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:
•Start number 7 was manually annotated 44 times for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 7 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 7 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:
•Start number 7 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:
•Start number 4 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DK:
•Start number 19 was manually annotated 1 time for cluster DK.

•Start number 21 was manually annotated 1 time for cluster DK.

Info for manual annotations of cluster DR:
•Start number 22 was manually annotated 15 times for cluster DR.
•Start number 39 was manually annotated 2 times for cluster DR.
•Start number 70 was manually annotated 2 times for cluster DR.

Info for manual annotations of cluster DS:
•Start number 23 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster EC:
•Start number 13 was manually annotated 35 times for cluster EC.
•Start number 14 was manually annotated 7 times for cluster EC.

Info for manual annotations of cluster EI:
•Start number 13 was manually annotated 1 time for cluster EI.
•Start number 14 was manually annotated 6 times for cluster EI.

Info for manual annotations of cluster FC:
•Start number 25 was manually annotated 1 time for cluster FC.
•Start number 27 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster GD1:
•Start number 29 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 29 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 29 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:
•Start number 29 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster W:
•Start number 18 was manually annotated 3 times for cluster W.
•Start number 22 was manually annotated 3 times for cluster W.
•Start number 46 was manually annotated 2 times for cluster W.

Gene Information:

Gene: 39HC_07 Start: 5208, Stop: 7124, Start Num: 22
Candidate Starts for 39HC_07:
(Start: 22 @5208 has 397 MA's), (Start: 28 @5223 has 5 MA's), (55, 5286), (Start: 64 @5310 has 5 MA's), (77, 5352), (79, 5367), (80, 5370), (82, 5379), (113, 5529), (134, 5610), (143, 5640), (163, 5688), (190, 5781), (191, 5784), (193, 5793), (199, 5838), (201, 5847), (214, 5928), (215, 5931), (219, 5949), (232, 6012), (239, 6030), (254, 6078), (266, 6132), (278, 6192), (285, 6234), (297, 6306), (299, 6321), (303, 6342), (311, 6378), (315, 6390), (325, 6426), (348, 6573), (369, 6639), (395, 6705), (438, 6828), (451, 6858), (455, 6867), (456, 6885), (481, 7017), (482, 7020), (499, 7098),

Gene: 40BC_07 Start: 5208, Stop: 7124, Start Num: 22

Candidate Starts for 40BC_07:
(Start: 22 @5208 has 397 MA's), (Start: 28 @5223 has 5 MA's), (55, 5286), (Start: 64 @5310 has 5 MA's), (77, 5352), (79, 5367), (80, 5370), (82, 5379), (113, 5529), (134, 5610), (143, 5640), (163, 5688), (190, 5781), (191, 5784), (193, 5793), (199, 5838), (201, 5847), (214, 5928), (215, 5931), (219, 5949), (232, 6012), (239, 6030), (254, 6078), (266, 6132), (278, 6192), (285, 6234), (297, 6306), (299, 6321), (303, 6342), (311, 6378), (315, 6390), (325, 6426), (348, 6573), (369, 6639), (395, 6705), (438, 6828), (451, 6858), (455, 6867), (456, 6885), (481, 7017), (482, 7020), (499, 7098),

Gene: A3Wally_82 Start: 29832, Stop: 31568, Start Num: 29
Candidate Starts for A3Wally_82:
(Start: 29 @29832 has 6 MA's), (49, 29895), (50, 29904), (75, 29982), (88, 30054), (89, 30063), (94, 30087), (96, 30096), (122, 30177), (146, 30270), (168, 30327), (191, 30450), (199, 30504), (219, 30612), (252, 30723), (261, 30765), (279, 30846), (282, 30867), (294, 30930), (303, 30990), (310, 31023), (323, 31071), (334, 31131), (350, 31242), (386, 31350), (422, 31470), (425, 31494),

Gene: ABU_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for ABU_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: APunk_15 Start: 7441, Stop: 9111, Start Num: 7
Candidate Starts for APunk_15:
(Start: 7 @7441 has 97 MA's), (17, 7516), (30, 7564), (55, 7651), (78, 7732), (84, 7762), (85, 7771), (119, 7894), (130, 7939), (162, 8011), (166, 8020), (194, 8131), (199, 8170), (203, 8188), (205, 8200), (206, 8203), (207, 8209), (230, 8284), (252, 8344), (279, 8479), (286, 8524), (294, 8563), (301, 8614), (309, 8647), (311, 8659), (312, 8662), (320, 8689), (326, 8713), (337, 8791), (345, 8842), (353, 8872), (355, 8878), (363, 8896), (377, 8935), (400, 8980),

Gene: Abblin_14 Start: 6957, Stop: 8627, Start Num: 7
Candidate Starts for Abblin_14:
(Start: 7 @6957 has 97 MA's), (17, 7032), (Start: 21 @7053 has 1 MA's), (30, 7080), (55, 7167), (78, 7248), (84, 7278), (85, 7287), (104, 7362), (109, 7374), (119, 7410), (130, 7455), (162, 7527), (166, 7536), (194, 7647), (199, 7686), (201, 7695), (203, 7704), (205, 7716), (206, 7719), (207, 7725), (230, 7800), (248, 7848), (252, 7860), (276, 7980), (279, 7995), (286, 8040), (294, 8079), (301, 8130), (309, 8163), (311, 8175), (312, 8178), (320, 8205), (326, 8229), (337, 8307), (345, 8358), (353, 8388), (355, 8394), (377, 8451), (400, 8496),

Gene: Abinghost_11 Start: 6314, Stop: 8218, Start Num: 22
Candidate Starts for Abinghost_11:
(Start: 22 @6314 has 397 MA's), (31, 6341), (63, 6422), (80, 6485), (92, 6551), (99, 6584), (129, 6692), (155, 6782), (178, 6860), (193, 6917), (201, 6971), (214, 7052), (219, 7073), (223, 7100), (242, 7151), (244, 7160), (247, 7169), (285, 7346), (287, 7358), (299, 7433), (304, 7457), (309, 7478), (330, 7562), (352, 7700), (358, 7718), (366, 7745), (379, 7769), (443, 7934), (447, 7943), (469, 8048), (470, 8057), (475, 8084), (493, 8174), (500, 8198), (505, 8210),

Gene: AbsoluteMadLad_8 Start: 4437, Stop: 6356, Start Num: 22
Candidate Starts for AbsoluteMadLad_8:
(Start: 22 @4437 has 397 MA's), (Start: 28 @4452 has 5 MA's), (Start: 64 @4548 has 5 MA's), (72, 4563), (92, 4674), (127, 4806), (132, 4830), (134, 4836), (136, 4848), (140, 4860), (192, 5025), (212, 5151), (213, 5154), (214, 5166), (217, 5175), (219, 5187), (232, 5250), (236, 5259), (247, 5295), (253,

5313), (256, 5322), (266, 5370), (284, 5466), (285, 5472), (293, 5508), (299, 5556), (304, 5580), (343, 5775), (366, 5868), (458, 6120), (482, 6255), (490, 6297), (493, 6309),

Gene: Acadian_10 Start: 6693, Stop: 8558, Start Num: 22
Candidate Starts for Acadian_10:
(Start: 22 @6693 has 397 MA's), (Start: 28 @6708 has 5 MA's), (45, 6750), (79, 6846), (83, 6858), (128, 7044), (130, 7056), (132, 7065), (179, 7182), (181, 7197), (215, 7374), (219, 7392), (235, 7452), (270, 7590), (278, 7626), (285, 7668), (287, 7680), (299, 7755), (304, 7779), (311, 7812), (315, 7824), (318, 7836), (325, 7860), (358, 8040), (363, 8058), (431, 8238), (438, 8259), (449, 8280), (468, 8382), (479, 8442), (507, 8550), (508, 8553),

Gene: Adriana_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Adriana_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Aelin_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Aelin_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Affeca_12 Start: 6664, Stop: 8292, Start Num: 7
Candidate Starts for Affeca_12:
(Start: 7 @6664 has 97 MA's), (32, 6784), (50, 6823), (59, 6862), (78, 6925), (99, 7018), (106, 7045), (118, 7084), (166, 7213), (180, 7273), (196, 7342), (199, 7363), (203, 7381), (206, 7396), (207, 7402), (218, 7465), (248, 7525), (252, 7537), (260, 7576), (263, 7588), (266, 7597), (269, 7630), (273, 7642), (279, 7672), (286, 7717), (289, 7732), (290, 7735), (295, 7771), (304, 7819), (307, 7828), (311, 7852), (312, 7855), (345, 8032), (364, 8089), (367, 8095), (376, 8110), (385, 8131), (412, 8179), (418, 8206),

Gene: Ahwei_8 Start: 5643, Stop: 7532, Start Num: 22
Candidate Starts for Ahwei_8:
(Start: 22 @5643 has 397 MA's), (62, 5739), (69, 5754), (80, 5805), (83, 5814), (91, 5865), (93, 5874), (119, 5970), (134, 6030), (169, 6126), (191, 6207), (199, 6261), (214, 6351), (215, 6354), (235, 6432), (239, 6444), (266, 6546), (278, 6606), (285, 6648), (287, 6660), (299, 6735), (304, 6759), (306, 6765), (311, 6792), (313, 6798), (325, 6840), (331, 6870), (437, 7221), (438, 7224), (456, 7281), (468, 7347), (469, 7350), (470, 7359), (490, 7473), (503, 7518), (507, 7524),

Gene: Ailee_12 Start: 7526, Stop: 9148, Start Num: 7
Candidate Starts for Ailee_12:
(Start: 7 @7526 has 97 MA's), (32, 7646), (50, 7685), (56, 7706), (59, 7724), (78, 7787), (99, 7880), (106, 7907), (118, 7946), (166, 8075), (180, 8135), (196, 8204), (199, 8225), (203, 8243), (206, 8258), (207, 8264), (218, 8327), (248, 8387), (252, 8399), (260, 8438), (263, 8450), (266, 8459), (269, 8492), (273, 8504), (279, 8534), (286, 8579), (289, 8594), (290, 8597), (295, 8633), (304, 8681), (307, 8690), (312, 8717), (345, 8894), (364, 8951), (367, 8957), (376, 8972), (385, 8993), (389, 8999), (412, 9035), (418, 9062),

Gene: Akoma_11 Start: 6314, Stop: 8218, Start Num: 22

Candidate Starts for Akoma_11:
(Start: 22 @6314 has 397 MA's), (31, 6341), (63, 6422), (80, 6485), (92, 6551), (99, 6584), (129, 6692), (155, 6782), (178, 6860), (193, 6917), (201, 6971), (214, 7052), (219, 7073), (223, 7100), (242, 7151), (244, 7160), (247, 7169), (285, 7346), (287, 7358), (299, 7433), (304, 7457), (309, 7478), (330, 7562), (352, 7700), (358, 7718), (366, 7745), (379, 7769), (443, 7934), (447, 7943), (469, 8048), (470, 8057), (475, 8084), (482, 8120), (493, 8174), (494, 8177), (500, 8198), (505, 8210),

Gene: AlanGrant_10 Start: 7459, Stop: 9357, Start Num: 22
Candidate Starts for AlanGrant_10:
(Start: 22 @7459 has 397 MA's), (56, 7540), (80, 7621), (81, 7627), (91, 7681), (114, 7768), (119, 7786), (134, 7846), (139, 7867), (167, 7927), (191, 8023), (199, 8077), (214, 8167), (221, 8194), (232, 8245), (256, 8317), (266, 8365), (268, 8380), (278, 8425), (285, 8467), (304, 8578), (306, 8584), (311, 8611), (325, 8659), (359, 8842), (394, 8917), (433, 9037), (437, 9046), (438, 9049), (456, 9106), (458, 9112), (469, 9175), (470, 9184), (498, 9328), (507, 9349),

Gene: Ali17_11 Start: 6421, Stop: 8055, Start Num: 7
Candidate Starts for Ali17_11:
(Start: 7 @6421 has 97 MA's), (10, 6448), (12, 6457), (17, 6493), (Start: 27 @6535 has 1 MA's), (34, 6559), (56, 6616), (66, 6649), (78, 6694), (84, 6724), (85, 6733), (90, 6757), (92, 6772), (118, 6853), (132, 6910), (161, 6970), (166, 6982), (169, 7000), (180, 7042), (199, 7132), (203, 7150), (206, 7165), (207, 7171), (216, 7225), (230, 7246), (252, 7306), (253, 7309), (266, 7366), (267, 7390), (279, 7441), (286, 7486), (290, 7504), (294, 7525), (304, 7588), (309, 7609), (312, 7624), (326, 7675), (342, 7780), (345, 7801), (353, 7831), (362, 7849), (389, 7915), (400, 7936), (419, 7990),

Gene: Allegro_12 Start: 7728, Stop: 9617, Start Num: 22
Candidate Starts for Allegro_12:
(Start: 22 @7728 has 397 MA's), (38, 7776), (Start: 46 @7800 has 2 MA's), (56, 7818), (Start: 70 @7851 has 2 MA's), (91, 7959), (110, 8043), (129, 8106), (138, 8142), (158, 8193), (169, 8226), (191, 8304), (193, 8313), (199, 8358), (214, 8448), (215, 8451), (217, 8457), (219, 8469), (222, 8484), (223, 8496), (251, 8580), (258, 8613), (262, 8631), (273, 8676), (285, 8745), (287, 8757), (299, 8832), (304, 8856), (306, 8862), (311, 8889), (315, 8901), (317, 8907), (325, 8937), (326, 8940), (331, 8967), (339, 9033), (341, 9042), (358, 9117), (370, 9153), (395, 9198), (442, 9336), (443, 9339), (449, 9351), (467, 9438), (469, 9447), (470, 9456), (472, 9471), (478, 9501), (482, 9519), (485, 9534), (490, 9561), (493, 9573), (507, 9609),

Gene: AltPhacts_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for AltPhacts_8:
(Start: 22 @4442 has 397 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Altwerkus_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Altwerkus_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Amo99_42 Start: 18192, Stop: 20150, Start Num: 20
Candidate Starts for Amo99_42:

(Start: 20 @18192 has 4 MA's), (33, 18237), (51, 18288), (59, 18315), (107, 18504), (169, 18663), (193, 18756), (205, 18831), (217, 18900), (219, 18912), (220, 18918), (236, 19020), (246, 19053), (263, 19125), (264, 19128), (270, 19158), (279, 19197), (287, 19248), (294, 19281), (324, 19425), (325, 19428), (331, 19458), (346, 19566), (356, 19602), (359, 19611), (417, 19746), (454, 19860), (469, 19950), (498, 20103), (510, 20142),

Gene: AnClar_7 Start: 5605, Stop: 7446, Start Num: 22
Candidate Starts for AnClar_7:
(Start: 22 @5605 has 397 MA's), (Start: 70 @5719 has 2 MA's), (79, 5761), (91, 5824), (129, 5956), (134, 5974), (165, 6028), (169, 6049), (199, 6181), (206, 6214), (214, 6271), (215, 6274), (219, 6292), (226, 6343), (232, 6364), (262, 6472), (266, 6484), (285, 6586), (312, 6733), (315, 6742), (329, 6799), (414, 7078), (443, 7165), (446, 7171), (463, 7246), (464, 7252), (469, 7273), (484, 7354), (490, 7387), (493, 7399), (500, 7423), (502, 7426),

Gene: AnarQue_10 Start: 6780, Stop: 8627, Start Num: 22
Candidate Starts for AnarQue_10:
(Start: 22 @6780 has 397 MA's), (Start: 70 @6894 has 2 MA's), (79, 6936), (91, 6999), (104, 7065), (138, 7170), (186, 7293), (187, 7299), (191, 7308), (193, 7317), (215, 7455), (219, 7473), (253, 7614), (258, 7641), (262, 7659), (266, 7671), (277, 7722), (285, 7773), (299, 7860), (304, 7884), (358, 8142), (387, 8202), (392, 8211), (411, 8259), (446, 8352), (447, 8355), (463, 8427), (464, 8433), (469, 8454), (479, 8511), (481, 8523), (487, 8556), (490, 8568), (493, 8580), (496, 8592), (500, 8604), (502, 8607),

Gene: Anderson_8 Start: 4456, Stop: 6360, Start Num: 28
Candidate Starts for Anderson_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Andre_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Andre_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: AngelCake_8 Start: 4564, Stop: 6357, Start Num: 72
Candidate Starts for AngelCake_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Angelicage_12 Start: 7093, Stop: 8715, Start Num: 7
Candidate Starts for Angelicage_12:
(Start: 7 @7093 has 97 MA's), (32, 7213), (50, 7252), (56, 7273), (59, 7291), (78, 7354), (99, 7447), (106, 7474), (118, 7513), (166, 7642), (180, 7702), (196, 7771), (199, 7792), (203, 7810), (206, 7825), (207, 7831), (218, 7894), (248, 7954), (252, 7966), (260, 8005), (263, 8017), (266, 8026), (269, 8059), (273, 8071), (279, 8101), (286, 8146), (289, 8161), (290, 8164), (295, 8200), (304, 8248), (307, 8257), (312, 8284), (345, 8461), (364, 8518), (367, 8524), (376, 8539), (385, 8560), (389, 8566), (412, 8602),

(418, 8629),

Gene: Antares_20 Start: 8653, Stop: 10359, Start Num: 13
Candidate Starts for Antares_20:
(Start: 13 @8653 has 37 MA's), (Start: 14 @8662 has 13 MA's), (15, 8677), (Start: 46 @8776 has 2 MA's), (48, 8782), (79, 8887), (83, 8899), (102, 9004), (106, 9016), (120, 9070), (126, 9088), (137, 9142), (146, 9172), (162, 9211), (168, 9229), (169, 9238), (179, 9274), (193, 9337), (203, 9400), (208, 9427), (214, 9472), (252, 9574), (253, 9577), (261, 9616), (266, 9634), (281, 9706), (293, 9772), (294, 9781), (299, 9820), (307, 9853), (314, 9886), (316, 9892), (321, 9922), (346, 10075), (350, 10090), (357, 10111), (358, 10114), (434, 10318), (438, 10327),

Gene: Antihero_8 Start: 5643, Stop: 7532, Start Num: 22
Candidate Starts for Antihero_8:
(Start: 22 @5643 has 397 MA's), (62, 5739), (69, 5754), (80, 5805), (83, 5814), (91, 5865), (93, 5874), (119, 5970), (134, 6030), (169, 6126), (191, 6207), (199, 6261), (214, 6351), (215, 6354), (235, 6432), (239, 6444), (266, 6546), (278, 6606), (285, 6648), (287, 6660), (299, 6735), (304, 6759), (306, 6765), (311, 6792), (313, 6798), (325, 6840), (331, 6870), (433, 7212), (437, 7221), (438, 7224), (456, 7281), (468, 7347), (469, 7350), (470, 7359), (490, 7473), (503, 7518), (507, 7524),

Gene: Antonia_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Antonia_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Apex_8 Start: 6292, Stop: 8181, Start Num: 22
Candidate Starts for Apex_8:
(Start: 22 @6292 has 397 MA's), (Start: 28 @6307 has 5 MA's), (62, 6388), (69, 6403), (80, 6454), (83, 6463), (91, 6514), (119, 6619), (134, 6679), (169, 6775), (190, 6853), (191, 6856), (193, 6865), (199, 6910), (214, 7000), (215, 7003), (235, 7081), (239, 7093), (266, 7195), (278, 7255), (285, 7297), (287, 7309), (304, 7408), (306, 7414), (311, 7441), (313, 7447), (316, 7456), (325, 7489), (342, 7597), (433, 7861), (437, 7870), (438, 7873), (458, 7936), (468, 7996), (469, 7999), (470, 8008), (490, 8122), (503, 8167), (507, 8173),

Gene: Apizium_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Apizium_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Arbiter_12 Start: 7818, Stop: 9707, Start Num: 22
Candidate Starts for Arbiter_12:
(Start: 22 @7818 has 397 MA's), (38, 7866), (Start: 46 @7890 has 2 MA's), (56, 7908), (Start: 70 @7941 has 2 MA's), (91, 8049), (110, 8133), (129, 8196), (138, 8232), (158, 8283), (165, 8295), (169, 8316), (191, 8394), (193, 8403), (199, 8448), (214, 8538), (215, 8541), (217, 8547), (219, 8559), (222, 8574), (223, 8586), (251, 8670), (258, 8703), (262, 8721), (273, 8766), (285, 8835), (287, 8847), (299, 8922), (304, 8946), (306, 8952), (311, 8979), (315, 8991), (317, 8997), (325, 9027), (326, 9030), (331, 9057), (339, 9123), (341, 9132), (358, 9207), (370, 9243), (442, 9426), (443, 9429), (449, 9441), (467, 9528), (469, 9537), (470, 9546), (472, 9561), (478, 9591), (482, 9609), (485, 9624), (490, 9651), (493,

9663), (507, 9699),

Gene: Ares_12 Start: 7728, Stop: 9617, Start Num: 22
Candidate Starts for Ares_12:
(Start: 22 @7728 has 397 MA's), (38, 7776), (Start: 46 @7800 has 2 MA's), (56, 7818), (Start: 70 @7851 has 2 MA's), (91, 7959), (110, 8043), (129, 8106), (138, 8142), (158, 8193), (165, 8205), (169, 8226), (191, 8304), (193, 8313), (199, 8358), (214, 8448), (215, 8451), (217, 8457), (219, 8469), (222, 8484), (223, 8496), (251, 8580), (258, 8613), (262, 8631), (273, 8676), (285, 8745), (287, 8757), (299, 8832), (304, 8856), (306, 8862), (311, 8889), (315, 8901), (317, 8907), (325, 8937), (326, 8940), (331, 8967), (339, 9033), (341, 9042), (358, 9117), (370, 9153), (395, 9198), (442, 9336), (443, 9339), (449, 9351), (467, 9438), (469, 9447), (470, 9456), (472, 9471), (478, 9501), (482, 9519), (485, 9534), (490, 9561), (493, 9573), (507, 9609),

Gene: Argie_7 Start: 3607, Stop: 5463, Start Num: 22
Candidate Starts for Argie_7:
(Start: 18 @3589 has 7 MA's), (Start: 22 @3607 has 397 MA's), (Start: 46 @3664 has 2 MA's), (86, 3802), (91, 3832), (103, 3886), (134, 3997), (175, 4126), (191, 4183), (193, 4192), (199, 4237), (203, 4255), (216, 4333), (217, 4336), (247, 4420), (255, 4444), (259, 4468), (285, 4597), (287, 4609), (293, 4633), (299, 4684), (311, 4741), (315, 4753), (346, 4927), (366, 4996), (463, 5248), (490, 5389), (493, 5401), (508, 5443),

Gene: Ariadne_28 Start: 10109, Stop: 11824, Start Num: 14
Candidate Starts for Ariadne_28:
(Start: 13 @10100 has 37 MA's), (Start: 14 @10109 has 13 MA's), (48, 10229), (79, 10334), (83, 10346), (100, 10445), (120, 10517), (126, 10535), (177, 10715), (179, 10721), (183, 10745), (193, 10784), (203, 10847), (208, 10874), (214, 10919), (252, 11021), (253, 11024), (261, 11063), (263, 11072), (273, 11114), (281, 11153), (293, 11219), (294, 11228), (295, 11243), (299, 11267), (314, 11333), (316, 11339), (321, 11366), (346, 11519), (351, 11537), (364, 11579), (375, 11603), (383, 11624), (410, 11660), (448, 11801), (452, 11813),

Gene: Arri_13 Start: 5627, Stop: 7213, Start Num: 7
Candidate Starts for Arri_13:
(Start: 7 @5627 has 97 MA's), (79, 5879), (85, 5909), (118, 6026), (125, 6047), (128, 6062), (190, 6236), (198, 6278), (201, 6302), (202, 6305), (210, 6344), (230, 6416), (252, 6476), (253, 6479), (254, 6482), (261, 6518), (263, 6527), (265, 6533), (266, 6536), (279, 6599), (286, 6644), (293, 6674), (299, 6722), (312, 6779), (315, 6788), (318, 6800), (331, 6857), (337, 6908),

Gene: Ashertheman_12 Start: 6272, Stop: 7900, Start Num: 7
Candidate Starts for Ashertheman_12:
(Start: 7 @6272 has 97 MA's), (32, 6395), (41, 6416), (59, 6473), (78, 6536), (84, 6566), (99, 6629), (106, 6656), (166, 6824), (188, 6911), (195, 6950), (199, 6974), (203, 6992), (206, 7007), (207, 7013), (218, 7076), (252, 7148), (260, 7187), (273, 7253), (279, 7283), (286, 7328), (289, 7343), (290, 7346), (295, 7382), (304, 7430), (307, 7439), (312, 7466), (320, 7493), (330, 7538), (340, 7613), (345, 7643), (349, 7661), (364, 7700), (367, 7706), (376, 7721), (385, 7742), (389, 7748), (412, 7784), (419, 7817),

Gene: Ashraf_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Ashraf_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Athena_12 Start: 7077, Stop: 8981, Start Num: 22
Candidate Starts for Athena_12:
(Start: 22 @7077 has 397 MA's), (31, 7104), (63, 7185), (80, 7248), (92, 7314), (99, 7347), (129, 7455), (155, 7545), (178, 7623), (193, 7680), (201, 7734), (214, 7815), (219, 7836), (223, 7863), (242, 7914), (244, 7923), (247, 7932), (285, 8109), (287, 8121), (299, 8196), (304, 8220), (309, 8241), (330, 8325), (352, 8463), (358, 8481), (366, 8508), (379, 8532), (443, 8697), (447, 8706), (469, 8811), (470, 8820), (475, 8847), (493, 8937), (500, 8961), (505, 8973),

Gene: Atuin_73 Start: 31058, Stop: 32686, Start Num: 27
Candidate Starts for Atuin_73:
(Start: 27 @31058 has 1 MA's), (90, 31298), (137, 31475), (193, 31673), (221, 31835), (238, 31877), (241, 31889), (252, 31925), (288, 32105), (303, 32192), (321, 32270), (368, 32501), (409, 32588), (426, 32636), (440, 32675),

Gene: Audrey_11 Start: 6314, Stop: 8218, Start Num: 22
Candidate Starts for Audrey_11:
(Start: 22 @6314 has 397 MA's), (31, 6341), (63, 6422), (80, 6485), (92, 6551), (99, 6584), (129, 6692), (155, 6782), (178, 6860), (193, 6917), (201, 6971), (214, 7052), (219, 7073), (223, 7100), (242, 7151), (244, 7160), (247, 7169), (285, 7346), (287, 7358), (299, 7433), (304, 7457), (309, 7478), (330, 7562), (352, 7700), (358, 7718), (366, 7745), (379, 7769), (443, 7934), (447, 7943), (469, 8048), (470, 8057), (475, 8084), (493, 8174), (494, 8177), (500, 8198), (505, 8210),

Gene: Austelle_9 Start: 6748, Stop: 8637, Start Num: 22
Candidate Starts for Austelle_9:
(Start: 22 @6748 has 397 MA's), (Start: 28 @6763 has 5 MA's), (62, 6844), (69, 6859), (80, 6910), (83, 6919), (91, 6970), (119, 7075), (134, 7135), (169, 7231), (190, 7309), (191, 7312), (193, 7321), (199, 7366), (214, 7456), (215, 7459), (235, 7537), (239, 7549), (266, 7651), (278, 7711), (285, 7753), (287, 7765), (299, 7840), (304, 7864), (306, 7870), (307, 7873), (311, 7897), (313, 7903), (316, 7912), (325, 7945), (331, 7975), (433, 8317), (437, 8326), (438, 8329), (458, 8392), (469, 8455), (470, 8464), (490, 8578), (503, 8623), (507, 8629),

Gene: Axumite_8 Start: 5303, Stop: 7141, Start Num: 22
Candidate Starts for Axumite_8:
(Start: 22 @5303 has 397 MA's), (Start: 39 @5351 has 2 MA's), (Start: 70 @5417 has 2 MA's), (79, 5459), (106, 5591), (129, 5654), (134, 5672), (191, 5825), (193, 5834), (199, 5879), (206, 5912), (214, 5969), (215, 5972), (219, 5990), (224, 6023), (231, 6050), (262, 6161), (266, 6173), (268, 6188), (285, 6275), (287, 6287), (299, 6362), (304, 6386), (312, 6422), (314, 6428), (315, 6431), (316, 6434), (325, 6467), (446, 6866), (447, 6869), (449, 6872), (463, 6941), (464, 6947), (469, 6968), (475, 7004), (484, 7049), (487, 7070), (493, 7094), (496, 7106), (500, 7118), (502, 7121),

Gene: Baddon_12 Start: 6982, Stop: 8613, Start Num: 7
Candidate Starts for Baddon_12:
(Start: 7 @6982 has 97 MA's), (32, 7105), (41, 7126), (59, 7183), (78, 7246), (84, 7276), (99, 7339), (106, 7366), (161, 7522), (166, 7534), (188, 7621), (195, 7660), (199, 7684), (203, 7702), (206, 7717), (207, 7723), (218, 7786), (252, 7858), (256, 7870), (260, 7897), (266, 7918), (273, 7963), (279, 7993), (286, 8038), (289, 8053), (290, 8056), (295, 8092), (304, 8140), (307, 8149), (330, 8248), (337, 8305), (340, 8323), (345, 8353), (349, 8371), (364, 8410), (367, 8416), (376, 8431), (385, 8452), (389, 8458), (412, 8497),

Gene: Badfish_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Badfish_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212,

5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Baee_10 Start: 6699, Stop: 8567, Start Num: 22
Candidate Starts for Baee_10:
(Start: 22 @6699 has 397 MA's), (31, 6723), (74, 6819), (79, 6855), (83, 6867), (128, 7053), (132, 7074), (134, 7080), (179, 7191), (181, 7206), (193, 7245), (215, 7383), (219, 7401), (235, 7461), (270, 7599), (285, 7677), (287, 7689), (304, 7788), (311, 7821), (315, 7833), (318, 7845), (325, 7869), (363, 8067), (431, 8247), (438, 8268), (439, 8271), (449, 8289), (468, 8391), (479, 8451), (507, 8559), (508, 8562),

Gene: Bakery_13 Start: 5328, Stop: 6914, Start Num: 7
Candidate Starts for Bakery_13:
(Start: 7 @5328 has 97 MA's), (32, 5442), (71, 5544), (85, 5610), (91, 5643), (119, 5730), (125, 5748), (201, 6003), (202, 6006), (210, 6045), (230, 6117), (252, 6177), (253, 6180), (254, 6183), (260, 6216), (261, 6219), (263, 6228), (265, 6234), (266, 6237), (279, 6300), (286, 6345), (293, 6375), (299, 6423), (312, 6480), (315, 6489), (318, 6501), (331, 6558), (337, 6609),

Gene: Baloo_11 Start: 6314, Stop: 8218, Start Num: 22
Candidate Starts for Baloo_11:
(Start: 22 @6314 has 397 MA's), (31, 6341), (63, 6422), (80, 6485), (92, 6551), (99, 6584), (129, 6692), (155, 6782), (178, 6860), (193, 6917), (201, 6971), (214, 7052), (219, 7073), (223, 7100), (242, 7151), (244, 7160), (247, 7169), (285, 7346), (287, 7358), (299, 7433), (304, 7457), (309, 7478), (330, 7562), (352, 7700), (358, 7718), (366, 7745), (379, 7769), (443, 7934), (447, 7943), (469, 8048), (470, 8057), (475, 8084), (493, 8174), (500, 8198), (505, 8210),

Gene: Bananafish_12 Start: 7728, Stop: 9617, Start Num: 22
Candidate Starts for Bananafish_12:
(Start: 22 @7728 has 397 MA's), (38, 7776), (Start: 46 @7800 has 2 MA's), (56, 7818), (Start: 70 @7851 has 2 MA's), (91, 7959), (110, 8043), (129, 8106), (138, 8142), (158, 8193), (165, 8205), (169, 8226), (191, 8304), (193, 8313), (199, 8358), (214, 8448), (215, 8451), (217, 8457), (219, 8469), (222, 8484), (223, 8496), (251, 8580), (258, 8613), (262, 8631), (273, 8676), (285, 8745), (287, 8757), (299, 8832), (304, 8856), (306, 8862), (311, 8889), (315, 8901), (317, 8907), (325, 8937), (326, 8940), (331, 8967), (339, 9033), (341, 9042), (358, 9117), (370, 9153), (395, 9198), (442, 9336), (443, 9339), (449, 9351), (467, 9438), (469, 9447), (470, 9456), (472, 9471), (478, 9501), (482, 9519), (485, 9534), (490, 9561), (493, 9573), (507, 9609),

Gene: Banjo_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Banjo_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Barb_12 Start: 5583, Stop: 7169, Start Num: 7
Candidate Starts for Barb_12:
(Start: 7 @5583 has 97 MA's), (79, 5835), (85, 5865), (118, 5982), (125, 6003), (128, 6018), (190, 6192), (198, 6234), (201, 6258), (202, 6261), (210, 6300), (230, 6372), (252, 6432), (253, 6435), (254, 6438), (261, 6474), (263, 6483), (265, 6489), (266, 6492), (279, 6555), (286, 6600), (293, 6630), (299, 6678), (312, 6735), (318, 6756), (325, 6783), (326, 6786), (331, 6813), (337, 6864), (345, 6912),

Gene: Barsten_13 Start: 6478, Stop: 8100, Start Num: 7
Candidate Starts for Barsten_13:
(Start: 7 @6478 has 97 MA's), (50, 6637), (59, 6676), (78, 6739), (99, 6832), (106, 6859), (118, 6898), (166, 7027), (180, 7087), (196, 7156), (199, 7177), (203, 7195), (206, 7210), (207, 7216), (218, 7279), (248, 7339), (252, 7351), (260, 7390), (263, 7402), (266, 7411), (269, 7444), (273, 7456), (279, 7486), (286, 7531), (289, 7546), (290, 7549), (295, 7585), (304, 7633), (307, 7642), (312, 7669), (345, 7846), (364, 7903), (367, 7909), (376, 7924), (385, 7945), (389, 7951), (412, 7987), (418, 8014),

Gene: Basato_9 Start: 4786, Stop: 6594, Start Num: 64
Candidate Starts for Basato_9:
(Start: 22 @4675 has 397 MA's), (Start: 64 @4786 has 5 MA's), (72, 4801), (92, 4912), (127, 5044), (132, 5068), (134, 5074), (136, 5086), (140, 5098), (192, 5263), (212, 5389), (213, 5392), (214, 5404), (217, 5413), (219, 5425), (232, 5488), (236, 5497), (247, 5533), (253, 5551), (256, 5560), (266, 5608), (284, 5704), (285, 5710), (293, 5746), (299, 5794), (304, 5818), (343, 6013), (366, 6106), (458, 6358), (482, 6493), (490, 6535), (493, 6547),

Gene: BatteryCK_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for BatteryCK_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Baumdotcom_12 Start: 6295, Stop: 7923, Start Num: 7
Candidate Starts for Baumdotcom_12:
(Start: 7 @6295 has 97 MA's), (32, 6418), (41, 6439), (59, 6496), (78, 6559), (84, 6589), (99, 6652), (106, 6679), (166, 6847), (188, 6934), (195, 6973), (199, 6997), (203, 7015), (206, 7030), (207, 7036), (218, 7099), (252, 7171), (260, 7210), (273, 7276), (279, 7306), (286, 7351), (289, 7366), (290, 7369), (295, 7405), (304, 7453), (307, 7462), (312, 7489), (320, 7516), (330, 7561), (337, 7618), (340, 7636), (345, 7666), (349, 7684), (364, 7723), (367, 7729), (376, 7744), (385, 7765), (389, 7771), (412, 7807), (419, 7840),

Gene: Beaglebox_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Beaglebox_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Ben11_10 Start: 6162, Stop: 8066, Start Num: 22
Candidate Starts for Ben11_10:
(Start: 22 @6162 has 397 MA's), (31, 6189), (63, 6270), (80, 6333), (92, 6399), (99, 6432), (129, 6540), (155, 6630), (178, 6708), (193, 6765), (201, 6819), (214, 6900), (219, 6921), (223, 6948), (242, 6999), (244, 7008), (247, 7017), (285, 7194), (287, 7206), (299, 7281), (304, 7305), (309, 7326), (330, 7410), (352, 7548), (358, 7566), (366, 7593), (379, 7617), (443, 7782), (447, 7791), (469, 7896), (470, 7905), (475, 7932), (493, 8022), (494, 8025), (500, 8046), (505, 8058),

Gene: Bernardo_11 Start: 6342, Stop: 8240, Start Num: 22
Candidate Starts for Bernardo_11:
(Start: 22 @6342 has 397 MA's), (31, 6369), (63, 6450), (80, 6513), (92, 6579), (99, 6612), (129, 6720), (155, 6810), (178, 6888), (193, 6945), (201, 6999), (214, 7080), (219, 7101), (223, 7128), (242, 7179),

(244, 7188), (247, 7197), (285, 7374), (287, 7386), (299, 7461), (304, 7485), (309, 7506), (330, 7590), (352, 7728), (358, 7746), (366, 7773), (379, 7797), (443, 7956), (447, 7965), (469, 8070), (470, 8079), (475, 8106), (482, 8142), (493, 8196), (494, 8199), (500, 8220), (505, 8232),

Gene: Bibwit_12 Start: 7349, Stop: 8971, Start Num: 7
Candidate Starts for Bibwit_12:
(Start: 7 @7349 has 97 MA's), (50, 7508), (59, 7547), (78, 7610), (99, 7703), (106, 7730), (118, 7769), (166, 7898), (180, 7958), (196, 8027), (199, 8048), (203, 8066), (206, 8081), (207, 8087), (218, 8150), (248, 8210), (252, 8222), (260, 8261), (263, 8273), (266, 8282), (273, 8327), (279, 8357), (286, 8402), (289, 8417), (290, 8420), (295, 8456), (304, 8504), (307, 8513), (312, 8540), (345, 8717), (364, 8774), (367, 8780), (376, 8795), (385, 8816), (389, 8822), (412, 8858), (418, 8885),

Gene: Big4_71 Start: 29132, Stop: 30859, Start Num: 29
Candidate Starts for Big4_71:
(Start: 29 @29132 has 6 MA's), (45, 29186), (50, 29210), (65, 29261), (76, 29297), (95, 29399), (112, 29450), (122, 29483), (137, 29549), (191, 29756), (199, 29810), (252, 30026), (273, 30119), (279, 30149), (294, 30233), (298, 30269), (303, 30293), (310, 30326), (315, 30341), (350, 30545), (351, 30548), (352, 30551), (368, 30602), (422, 30773),

Gene: BiggityBass_7 Start: 5116, Stop: 6957, Start Num: 22
Candidate Starts for BiggityBass_7:
(Start: 22 @5116 has 397 MA's), (Start: 70 @5230 has 2 MA's), (79, 5272), (91, 5335), (129, 5467), (134, 5485), (169, 5560), (199, 5692), (206, 5725), (214, 5782), (215, 5785), (219, 5803), (226, 5854), (262, 5983), (266, 5995), (268, 6010), (285, 6097), (312, 6244), (315, 6253), (317, 6259), (329, 6310), (414, 6589), (443, 6676), (446, 6682), (463, 6757), (464, 6763), (469, 6784), (484, 6865), (490, 6898), (493, 6910), (500, 6934), (502, 6937),

Gene: BirdsNest_12 Start: 5147, Stop: 7066, Start Num: 22
Candidate Starts for BirdsNest_12:
(Start: 22 @5147 has 397 MA's), (128, 5522), (130, 5534), (140, 5573), (161, 5624), (167, 5639), (194, 5750), (199, 5789), (212, 5864), (213, 5867), (219, 5900), (228, 5948), (236, 5972), (239, 5981), (244, 5999), (256, 6035), (277, 6134), (285, 6185), (293, 6221), (304, 6293), (352, 6536), (358, 6554), (439, 6770), (446, 6782), (469, 6893), (470, 6902), (472, 6917), (482, 6965), (503, 7052),

Gene: Bishoperium_8 Start: 4457, Stop: 6361, Start Num: 28
Candidate Starts for Bishoperium_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Bizzy_13 Start: 6469, Stop: 8097, Start Num: 7
Candidate Starts for Bizzy_13:
(Start: 7 @6469 has 97 MA's), (32, 6592), (41, 6613), (59, 6670), (78, 6733), (84, 6763), (99, 6826), (106, 6853), (166, 7021), (188, 7108), (195, 7147), (199, 7171), (203, 7189), (206, 7204), (207, 7210), (218, 7273), (252, 7345), (260, 7384), (273, 7450), (279, 7480), (286, 7525), (289, 7540), (290, 7543), (295, 7579), (304, 7627), (307, 7636), (312, 7663), (320, 7690), (330, 7735), (340, 7810), (345, 7840), (349, 7858), (364, 7897), (367, 7903), (376, 7918), (385, 7939), (389, 7945), (412, 7981), (419, 8014),

Gene: BlackStallion_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for BlackStallion_8:

(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Blocker23_12 Start: 7845, Stop: 9734, Start Num: 22
Candidate Starts for Blocker23_12:
(Start: 22 @7845 has 397 MA's), (38, 7893), (Start: 46 @7917 has 2 MA's), (56, 7935), (Start: 70 @7968 has 2 MA's), (91, 8076), (110, 8160), (129, 8223), (138, 8259), (158, 8310), (165, 8322), (169, 8343), (191, 8421), (193, 8430), (199, 8475), (214, 8565), (215, 8568), (217, 8574), (219, 8586), (222, 8601), (223, 8613), (251, 8697), (258, 8730), (262, 8748), (273, 8793), (285, 8862), (287, 8874), (299, 8949), (304, 8973), (306, 8979), (311, 9006), (315, 9018), (317, 9024), (325, 9054), (326, 9057), (331, 9084), (339, 9150), (341, 9159), (358, 9234), (370, 9270), (395, 9315), (442, 9453), (443, 9456), (449, 9468), (467, 9555), (469, 9564), (470, 9573), (472, 9588), (478, 9618), (482, 9636), (485, 9651), (490, 9678), (493, 9690), (507, 9726),

Gene: Bloom_80 Start: 33695, Stop: 35374, Start Num: 27
Candidate Starts for Bloom_80:
(Start: 25 @33689 has 1 MA's), (Start: 27 @33695 has 1 MA's), (56, 33800), (88, 33923), (90, 33935), (126, 34058), (193, 34310), (199, 34355), (233, 34511), (238, 34520), (241, 34532), (252, 34568), (257, 34589), (293, 34766), (361, 35120), (384, 35186), (388, 35192), (426, 35318), (430, 35327), (440, 35363),

Gene: BlueHusk_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for BlueHusk_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: BlueNGold_76 Start: 31373, Stop: 33103, Start Num: 23
Candidate Starts for BlueNGold_76:
(Start: 23 @31373 has 5 MA's), (50, 31451), (67, 31505), (74, 31517), (90, 31604), (92, 31619), (115, 31709), (135, 31784), (156, 31874), (197, 32069), (199, 32087), (200, 32090), (203, 32105), (206, 32120), (209, 32135), (212, 32162), (220, 32201), (272, 32372), (279, 32405), (287, 32456), (291, 32471), (293, 32480), (305, 32555), (306, 32558), (310, 32582), (351, 32807), (356, 32822), (365, 32852), (380, 32900), (388, 32915), (390, 32921),

Gene: Bluephacebaby_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Bluephacebaby_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: BobBob_10 Start: 6015, Stop: 7637, Start Num: 7
Candidate Starts for BobBob_10:
(Start: 7 @6015 has 97 MA's), (50, 6174), (59, 6213), (78, 6276), (99, 6369), (106, 6396), (118, 6435), (162, 6555), (166, 6564), (180, 6624), (196, 6693), (199, 6714), (203, 6732), (206, 6747), (207, 6753), (218, 6816), (248, 6876), (252, 6888), (260, 6927), (263, 6939), (266, 6948), (273, 6993), (279, 7023),

(286, 7068), (289, 7083), (290, 7086), (295, 7122), (304, 7170), (307, 7179), (312, 7206), (345, 7383), (364, 7440), (367, 7446), (376, 7461), (385, 7482), (389, 7488), (412, 7524), (418, 7551),

Gene: BobRoss2024_7 Start: 5144, Stop: 6973, Start Num: 22
Candidate Starts for BobRoss2024_7:
(Start: 22 @5144 has 397 MA's), (Start: 70 @5258 has 2 MA's), (79, 5300), (134, 5513), (167, 5573), (193, 5675), (199, 5720), (215, 5813), (219, 5831), (251, 5960), (253, 5966), (258, 5993), (262, 6011), (266, 6023), (285, 6125), (304, 6236), (307, 6245), (308, 6248), (315, 6281), (358, 6494), (392, 6563), (443, 6692), (446, 6698), (447, 6701), (449, 6704), (453, 6716), (463, 6773), (464, 6779), (469, 6800), (475, 6836), (479, 6857), (481, 6869), (487, 6902), (493, 6926), (502, 6953),

Gene: BobbyK_9 Start: 6745, Stop: 8634, Start Num: 22
Candidate Starts for BobbyK_9:
(Start: 22 @6745 has 397 MA's), (Start: 28 @6760 has 5 MA's), (62, 6841), (69, 6856), (80, 6907), (83, 6916), (91, 6967), (119, 7072), (134, 7132), (169, 7228), (190, 7306), (191, 7309), (193, 7318), (199, 7363), (214, 7453), (215, 7456), (235, 7534), (239, 7546), (266, 7648), (278, 7708), (285, 7750), (287, 7762), (299, 7837), (304, 7861), (306, 7867), (311, 7894), (313, 7900), (316, 7909), (325, 7942), (331, 7972), (433, 8314), (437, 8323), (438, 8326), (458, 8389), (468, 8449), (469, 8452), (470, 8461), (490, 8575), (496, 8599), (507, 8626),

Gene: Boehler_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Boehler_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Boopy_77 Start: 31385, Stop: 33115, Start Num: 23
Candidate Starts for Boopy_77:
(Start: 23 @31385 has 5 MA's), (50, 31463), (67, 31517), (74, 31529), (90, 31616), (92, 31631), (115, 31721), (135, 31796), (156, 31886), (197, 32081), (199, 32099), (200, 32102), (203, 32117), (206, 32132), (209, 32147), (212, 32174), (220, 32213), (272, 32384), (279, 32417), (287, 32468), (291, 32483), (293, 32492), (305, 32567), (306, 32570), (310, 32594), (351, 32819), (356, 32834), (365, 32864), (380, 32912), (388, 32927), (390, 32933),

Gene: Boyle_12 Start: 7845, Stop: 9734, Start Num: 22
Candidate Starts for Boyle_12:
(Start: 22 @7845 has 397 MA's), (38, 7893), (Start: 46 @7917 has 2 MA's), (56, 7935), (Start: 70 @7968 has 2 MA's), (110, 8160), (129, 8223), (138, 8259), (158, 8310), (165, 8322), (169, 8343), (191, 8421), (193, 8430), (199, 8475), (214, 8565), (215, 8568), (217, 8574), (219, 8586), (222, 8601), (223, 8613), (251, 8697), (258, 8730), (262, 8748), (273, 8793), (285, 8862), (287, 8874), (299, 8949), (304, 8973), (306, 8979), (311, 9006), (315, 9018), (317, 9024), (325, 9054), (326, 9057), (331, 9084), (339, 9150), (341, 9159), (358, 9234), (370, 9270), (395, 9315), (442, 9453), (443, 9456), (449, 9468), (467, 9555), (469, 9564), (470, 9573), (472, 9588), (478, 9618), (482, 9636), (485, 9651), (490, 9678), (493, 9690), (507, 9726),

Gene: Brandonk123_15 Start: 7162, Stop: 8784, Start Num: 7
Candidate Starts for Brandonk123_15:
(Start: 7 @7162 has 97 MA's), (50, 7321), (59, 7360), (78, 7423), (99, 7516), (106, 7543), (118, 7582), (162, 7702), (166, 7711), (180, 7771), (196, 7840), (199, 7861), (203, 7879), (206, 7894), (207, 7900), (218, 7963), (248, 8023), (252, 8035), (260, 8074), (263, 8086), (266, 8095), (273, 8140), (279, 8170), (286, 8215), (289, 8230), (290, 8233), (295, 8269), (304, 8317), (307, 8326), (312, 8353), (345, 8530),

(364, 8587), (367, 8593), (376, 8608), (385, 8629), (389, 8635), (412, 8671), (418, 8698),

Gene: BrazzalePHS_19 Start: 8484, Stop: 10151, Start Num: 14
Candidate Starts for BrazzalePHS_19:
(Start: 13 @8475 has 37 MA's), (Start: 14 @8484 has 13 MA's), (Start: 46 @8598 has 2 MA's), (48, 8604), (79, 8709), (83, 8721), (100, 8820), (102, 8826), (106, 8838), (120, 8892), (126, 8910), (137, 8964), (146, 8994), (162, 9033), (168, 9051), (169, 9060), (179, 9096), (193, 9159), (203, 9222), (208, 9249), (252, 9396), (253, 9399), (261, 9438), (266, 9456), (281, 9528), (293, 9594), (294, 9603), (307, 9675), (314, 9708), (316, 9714), (321, 9744), (325, 9759), (346, 9897), (350, 9912), (357, 9933), (358, 9936),

Gene: Briakila_11 Start: 7103, Stop: 9007, Start Num: 22
Candidate Starts for Briakila_11:
(Start: 22 @7103 has 397 MA's), (31, 7130), (63, 7211), (80, 7274), (92, 7340), (99, 7373), (129, 7481), (155, 7571), (178, 7649), (193, 7706), (201, 7760), (214, 7841), (219, 7862), (223, 7889), (242, 7940), (244, 7949), (247, 7958), (285, 8135), (287, 8147), (299, 8222), (304, 8246), (309, 8267), (330, 8351), (352, 8489), (358, 8507), (366, 8534), (379, 8558), (443, 8723), (447, 8732), (469, 8837), (470, 8846), (475, 8873), (493, 8963), (494, 8966), (500, 8987), (505, 8999),

Gene: Brilliant_8 Start: 4440, Stop: 6359, Start Num: 22
Candidate Starts for Brilliant_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: BrownCNA_10 Start: 6999, Stop: 8888, Start Num: 22
Candidate Starts for BrownCNA_10:
(Start: 22 @6999 has 397 MA's), (Start: 28 @7014 has 5 MA's), (62, 7095), (69, 7110), (80, 7161), (83, 7170), (91, 7221), (119, 7326), (134, 7386), (169, 7482), (190, 7560), (191, 7563), (193, 7572), (199, 7617), (214, 7707), (215, 7710), (235, 7788), (239, 7800), (262, 7890), (266, 7902), (278, 7962), (285, 8004), (287, 8016), (304, 8115), (306, 8121), (311, 8148), (313, 8154), (316, 8163), (325, 8196), (433, 8568), (437, 8577), (438, 8580), (458, 8643), (468, 8703), (469, 8706), (470, 8715), (490, 8829), (496, 8853), (507, 8880),

Gene: Brownie5_12 Start: 7845, Stop: 9734, Start Num: 22
Candidate Starts for Brownie5_12:
(Start: 22 @7845 has 397 MA's), (38, 7893), (Start: 46 @7917 has 2 MA's), (56, 7935), (Start: 70 @7968 has 2 MA's), (91, 8076), (110, 8160), (129, 8223), (138, 8259), (158, 8310), (165, 8322), (169, 8343), (191, 8421), (193, 8430), (199, 8475), (214, 8565), (215, 8568), (217, 8574), (219, 8586), (222, 8601), (223, 8613), (251, 8697), (258, 8730), (262, 8748), (273, 8793), (285, 8862), (287, 8874), (299, 8949), (304, 8973), (306, 8979), (311, 9006), (315, 9018), (317, 9024), (325, 9054), (326, 9057), (331, 9084), (339, 9150), (341, 9159), (358, 9234), (370, 9270), (395, 9315), (442, 9453), (443, 9456), (449, 9468), (467, 9555), (469, 9564), (470, 9573), (472, 9588), (478, 9618), (482, 9636), (485, 9651), (490, 9678), (493, 9690), (507, 9726),

Gene: Buckeye_8 Start: 4443, Stop: 6362, Start Num: 22
Candidate Starts for Buckeye_8:
(Start: 22 @4443 has 397 MA's), (Start: 28 @4458 has 5 MA's), (Start: 64 @4554 has 5 MA's), (72, 4569), (92, 4680), (127, 4812), (132, 4836), (134, 4842), (136, 4854), (140, 4866), (192, 5031), (212, 5157), (213, 5160), (214, 5172), (217, 5181), (219, 5193), (232, 5256), (236, 5265), (247, 5301), (253, 5319), (256, 5328), (266, 5376), (284, 5472), (285, 5478), (293, 5514), (299, 5562), (304, 5586), (343,

5781), (366, 5874), (458, 6126), (482, 6261), (490, 6303), (493, 6315),

Gene: Burr_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Burr_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Busephilis_20 Start: 8414, Stop: 10090, Start Num: 13
Candidate Starts for Busephilis_20:
(Start: 13 @8414 has 37 MA's), (Start: 14 @8423 has 13 MA's), (Start: 46 @8537 has 2 MA's), (48, 8543), (79, 8648), (83, 8660), (100, 8759), (102, 8765), (106, 8777), (120, 8831), (126, 8849), (137, 8903), (146, 8933), (162, 8972), (168, 8990), (169, 8999), (179, 9035), (193, 9098), (203, 9161), (208, 9188), (252, 9335), (253, 9338), (261, 9377), (266, 9395), (281, 9467), (293, 9533), (294, 9542), (307, 9614), (314, 9647), (316, 9653), (321, 9683), (325, 9698), (346, 9836), (350, 9851), (357, 9872), (358, 9875),

Gene: CRB2_11 Start: 7447, Stop: 9324, Start Num: 22
Candidate Starts for CRB2_11:
(Start: 22 @7447 has 397 MA's), (Start: 70 @7561 has 2 MA's), (101, 7723), (111, 7747), (113, 7753), (127, 7804), (134, 7834), (136, 7846), (169, 7909), (179, 7945), (181, 7960), (206, 8077), (214, 8134), (219, 8155), (223, 8182), (228, 8203), (235, 8224), (239, 8236), (251, 8275), (254, 8284), (263, 8329), (266, 8338), (277, 8389), (285, 8440), (304, 8551), (311, 8584), (315, 8596), (331, 8662), (352, 8794), (358, 8812), (360, 8818), (432, 9016), (437, 9028), (446, 9046), (447, 9049), (468, 9148), (470, 9160), (483, 9229),

Gene: CaiB_10 Start: 6894, Stop: 8627, Start Num: 70
Candidate Starts for CaiB_10:
(Start: 22 @6780 has 397 MA's), (Start: 70 @6894 has 2 MA's), (79, 6936), (91, 6999), (104, 7065), (138, 7170), (186, 7293), (187, 7299), (191, 7308), (193, 7317), (215, 7455), (219, 7473), (253, 7614), (258, 7641), (262, 7659), (266, 7671), (277, 7722), (285, 7773), (299, 7860), (358, 8142), (387, 8202), (392, 8211), (446, 8352), (447, 8355), (463, 8427), (464, 8433), (469, 8454), (479, 8511), (481, 8523), (487, 8556), (490, 8568), (493, 8580), (496, 8592), (500, 8604), (502, 8607),

Gene: Calamitous_12 Start: 7728, Stop: 9617, Start Num: 22
Candidate Starts for Calamitous_12:
(Start: 22 @7728 has 397 MA's), (38, 7776), (Start: 46 @7800 has 2 MA's), (56, 7818), (Start: 70 @7851 has 2 MA's), (91, 7959), (110, 8043), (129, 8106), (138, 8142), (158, 8193), (165, 8205), (169, 8226), (191, 8304), (193, 8313), (199, 8358), (214, 8448), (215, 8451), (217, 8457), (219, 8469), (222, 8484), (223, 8496), (251, 8580), (258, 8613), (262, 8631), (273, 8676), (285, 8745), (287, 8757), (299, 8832), (304, 8856), (306, 8862), (311, 8889), (315, 8901), (317, 8907), (325, 8937), (326, 8940), (331, 8967), (339, 9033), (341, 9042), (358, 9117), (370, 9153), (395, 9198), (442, 9336), (443, 9339), (449, 9351), (467, 9438), (469, 9447), (470, 9456), (472, 9471), (478, 9501), (482, 9519), (485, 9534), (490, 9561), (493, 9573), (507, 9609),

Gene: CamL_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for CamL_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343,

5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: CampRoach_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for CampRoach_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Cannibal_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Cannibal_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Carthage_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Carthage_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Casbah_10 Start: 6163, Stop: 8070, Start Num: 22
Candidate Starts for Casbah_10:
(Start: 22 @6163 has 397 MA's), (31, 6190), (63, 6271), (80, 6334), (92, 6400), (99, 6433), (129, 6541), (155, 6631), (178, 6709), (193, 6766), (201, 6820), (214, 6901), (219, 6922), (223, 6949), (242, 7000), (244, 7009), (247, 7018), (285, 7195), (287, 7207), (299, 7282), (304, 7306), (309, 7327), (330, 7411), (352, 7549), (358, 7567), (366, 7594), (379, 7618), (443, 7786), (447, 7795), (469, 7900), (470, 7909), (475, 7936), (493, 8026), (500, 8050), (505, 8062),

Gene: Caspiboi_9 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Caspiboi_9:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Cece_66 Start: 27502, Stop: 29211, Start Num: 29
Candidate Starts for Cece_66:
(Start: 29 @27502 has 6 MA's), (49, 27565), (50, 27574), (89, 27733), (149, 27946), (171, 28012), (191, 28117), (199, 28171), (214, 28258), (250, 28384), (252, 28390), (267, 28462), (279, 28513), (294, 28597), (303, 28657), (348, 28900), (352, 28915), (357, 28930), (363, 28951), (365, 28957), (394, 29038), (425, 29125),

Gene: Cepens_6 Start: 3346, Stop: 5202, Start Num: 22
Candidate Starts for Cepens_6:
(Start: 18 @3328 has 7 MA's), (Start: 22 @3346 has 397 MA's), (Start: 46 @3403 has 2 MA's), (86, 3541), (91, 3571), (103, 3625), (134, 3736), (175, 3865), (191, 3922), (193, 3931), (199, 3976), (203,

3994), (216, 4072), (217, 4075), (247, 4159), (255, 4183), (259, 4207), (285, 4336), (287, 4348), (293, 4372), (299, 4423), (311, 4480), (315, 4492), (346, 4666), (366, 4735), (463, 4987), (490, 5128), (493, 5140), (508, 5182),

Gene: ChaChing_11 Start: 6329, Stop: 8233, Start Num: 22
Candidate Starts for ChaChing_11:
(Start: 22 @6329 has 397 MA's), (31, 6356), (63, 6437), (80, 6500), (92, 6566), (99, 6599), (129, 6707), (155, 6797), (178, 6875), (193, 6932), (201, 6986), (214, 7067), (219, 7088), (223, 7115), (242, 7166), (244, 7175), (247, 7184), (285, 7361), (287, 7373), (299, 7448), (304, 7472), (309, 7493), (330, 7577), (352, 7715), (358, 7733), (366, 7760), (379, 7784), (443, 7949), (447, 7958), (469, 8063), (470, 8072), (475, 8099), (493, 8189), (500, 8213), (505, 8225),

Gene: ChadMasterC_12 Start: 6750, Stop: 8372, Start Num: 7
Candidate Starts for ChadMasterC_12:
(Start: 7 @6750 has 97 MA's), (50, 6909), (59, 6948), (78, 7011), (99, 7104), (106, 7131), (118, 7170), (166, 7299), (180, 7359), (196, 7428), (199, 7449), (203, 7467), (206, 7482), (207, 7488), (218, 7551), (248, 7611), (252, 7623), (260, 7662), (263, 7674), (266, 7683), (269, 7716), (273, 7728), (279, 7758), (286, 7803), (289, 7818), (290, 7821), (295, 7857), (304, 7905), (307, 7914), (312, 7941), (345, 8118), (364, 8175), (367, 8181), (376, 8196), (385, 8217), (389, 8223), (412, 8259), (418, 8286),

Gene: Chaelin_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Chaelin_8:
(Start: 22 @4439 has 397 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (140, 4862), (178, 4976), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Chah_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Chah_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Chalmers_11 Start: 7104, Stop: 9008, Start Num: 22
Candidate Starts for Chalmers_11:
(Start: 22 @7104 has 397 MA's), (31, 7131), (63, 7212), (80, 7275), (92, 7341), (99, 7374), (129, 7482), (155, 7572), (178, 7650), (193, 7707), (201, 7761), (214, 7842), (219, 7863), (223, 7890), (242, 7941), (244, 7950), (247, 7959), (285, 8136), (287, 8148), (299, 8223), (304, 8247), (309, 8268), (330, 8352), (352, 8490), (358, 8508), (366, 8535), (379, 8559), (443, 8724), (447, 8733), (469, 8838), (470, 8847), (475, 8874), (493, 8964), (500, 8988), (505, 9000),

Gene: Chandler_11 Start: 7077, Stop: 8981, Start Num: 22
Candidate Starts for Chandler_11:
(Start: 22 @7077 has 397 MA's), (31, 7104), (63, 7185), (80, 7248), (92, 7314), (99, 7347), (129, 7455), (155, 7545), (178, 7623), (193, 7680), (201, 7734), (214, 7815), (219, 7836), (223, 7863), (242, 7914), (244, 7923), (247, 7932), (285, 8109), (287, 8121), (299, 8196), (304, 8220), (309, 8241), (330, 8325), (352, 8463), (358, 8481), (366, 8508), (379, 8532), (443, 8697), (447, 8706), (469, 8811), (470, 8820), (475, 8847), (493, 8937), (500, 8961), (505, 8973),

Gene: Charles1_8 Start: 4441, Stop: 6360, Start Num: 22

Candidate Starts for Charles1_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: CharlieGBrown_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for CharlieGBrown_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: CharlottesWeb_8 Start: 5358, Stop: 7151, Start Num: 39
Candidate Starts for CharlottesWeb_8:
(Start: 22 @5310 has 397 MA's), (Start: 39 @5358 has 2 MA's), (Start: 70 @5424 has 2 MA's), (79, 5466), (92, 5535), (129, 5661), (134, 5679), (171, 5760), (191, 5832), (199, 5886), (206, 5919), (214, 5976), (215, 5979), (219, 5997), (225, 6042), (231, 6063), (262, 6174), (266, 6186), (268, 6201), (277, 6237), (285, 6288), (287, 6300), (299, 6375), (304, 6399), (312, 6435), (315, 6444), (325, 6480), (329, 6501), (442, 6867), (446, 6876), (447, 6879), (463, 6951), (464, 6957), (469, 6978), (470, 6987), (484, 7059), (490, 7092), (493, 7104), (496, 7116), (500, 7128), (502, 7131),

Gene: Charming_10 Start: 6017, Stop: 7639, Start Num: 7
Candidate Starts for Charming_10:
(Start: 7 @6017 has 97 MA's), (50, 6176), (59, 6215), (78, 6278), (99, 6371), (106, 6398), (118, 6437), (162, 6557), (166, 6566), (180, 6626), (196, 6695), (199, 6716), (203, 6734), (206, 6749), (207, 6755), (218, 6818), (248, 6878), (252, 6890), (260, 6929), (263, 6941), (266, 6950), (273, 6995), (279, 7025), (286, 7070), (289, 7085), (290, 7088), (295, 7124), (304, 7172), (307, 7181), (312, 7208), (345, 7385), (364, 7442), (367, 7448), (376, 7463), (385, 7484), (389, 7490), (412, 7526), (418, 7553),

Gene: CheetO_8 Start: 4552, Stop: 6360, Start Num: 64
Candidate Starts for CheetO_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Chentzyk_10 Start: 6190, Stop: 8094, Start Num: 22
Candidate Starts for Chentzyk_10:
(Start: 22 @6190 has 397 MA's), (31, 6217), (63, 6298), (80, 6361), (92, 6427), (99, 6460), (129, 6568), (155, 6658), (178, 6736), (193, 6793), (201, 6847), (214, 6928), (219, 6949), (223, 6976), (242, 7027), (244, 7036), (247, 7045), (285, 7222), (287, 7234), (299, 7309), (304, 7333), (309, 7354), (330, 7438), (352, 7576), (358, 7594), (366, 7621), (379, 7645), (443, 7810), (447, 7819), (469, 7924), (470, 7933), (475, 7960), (493, 8050), (494, 8053), (500, 8074), (505, 8086),

Gene: Cher_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Cher_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253,

5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: CherryCola_14 Start: 5819, Stop: 7405, Start Num: 7
Candidate Starts for CherryCola_14:
(Start: 7 @5819 has 97 MA's), (32, 5933), (71, 6035), (85, 6101), (91, 6134), (119, 6221), (125, 6239), (128, 6254), (192, 6434), (201, 6494), (202, 6497), (210, 6536), (230, 6608), (252, 6668), (253, 6671), (254, 6674), (261, 6710), (263, 6719), (265, 6725), (266, 6728), (279, 6791), (286, 6836), (293, 6866), (299, 6914), (312, 6971), (318, 6992), (325, 7019), (326, 7022), (331, 7049), (337, 7100), (345, 7148),

Gene: Chickadee_13 Start: 5786, Stop: 7462, Start Num: 7
Candidate Starts for Chickadee_13:
(Start: 7 @5786 has 97 MA's), (11, 5819), (26, 5897), (42, 5951), (78, 6083), (84, 6113), (102, 6191), (109, 6209), (130, 6290), (162, 6362), (166, 6371), (180, 6431), (203, 6539), (205, 6551), (206, 6554), (207, 6560), (252, 6695), (253, 6698), (266, 6755), (279, 6830), (286, 6875), (290, 6893), (294, 6914), (299, 6953), (304, 6977), (309, 6998), (312, 7013), (326, 7064), (330, 7085), (345, 7190), (353, 7220), (363, 7244), (364, 7247), (400, 7325),

Gene: Childish_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Childish_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Chilliams_73 Start: 34081, Stop: 35706, Start Num: 27
Candidate Starts for Chilliams_73:
(Start: 27 @34081 has 1 MA's), (50, 34162), (58, 34189), (88, 34306), (90, 34318), (106, 34387), (168, 34579), (176, 34621), (201, 34747), (212, 34813), (233, 34888), (253, 34948), (282, 35089), (293, 35143), (294, 35152), (303, 35212), (350, 35464), (361, 35497), (372, 35536), (388, 35569), (400, 35596), (440, 35695),

Gene: Chorkpop_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Chorkpop_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: ChrisnMich_8 Start: 5643, Stop: 7532, Start Num: 22
Candidate Starts for ChrisnMich_8:
(Start: 22 @5643 has 397 MA's), (62, 5739), (69, 5754), (80, 5805), (83, 5814), (91, 5865), (93, 5874), (119, 5970), (134, 6030), (169, 6126), (191, 6207), (199, 6261), (214, 6351), (215, 6354), (235, 6432), (239, 6444), (266, 6546), (278, 6606), (285, 6648), (287, 6660), (299, 6735), (300, 6741), (304, 6759), (306, 6765), (311, 6792), (313, 6798), (325, 6840), (331, 6870), (433, 7212), (437, 7221), (438, 7224), (456, 7281), (458, 7287), (468, 7347), (469, 7350), (470, 7359), (490, 7473), (503, 7518), (507, 7524),

Gene: Chunky_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Chunky_8:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170),

(217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Chute_8 Start: 4549, Stop: 6357, Start Num: 64
Candidate Starts for Chute_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Cinna_12 Start: 5856, Stop: 7613, Start Num: 14
Candidate Starts for Cinna_12:
(Start: 13 @5847 has 37 MA's), (Start: 14 @5856 has 13 MA's), (36, 5940), (48, 5976), (56, 6009), (79, 6087), (83, 6099), (84, 6108), (86, 6120), (87, 6126), (100, 6198), (102, 6204), (128, 6300), (137, 6342), (145, 6372), (152, 6402), (162, 6438), (166, 6447), (168, 6456), (169, 6465), (189, 6546), (191, 6552), (193, 6561), (203, 6624), (208, 6651), (214, 6696), (237, 6747), (252, 6798), (261, 6840), (266, 6858), (268, 6873), (281, 6930), (294, 7005), (297, 7029), (315, 7113), (316, 7116), (325, 7161), (331, 7191), (336, 7239), (351, 7320), (357, 7338), (358, 7341), (385, 7410), (397, 7434), (436, 7569), (445, 7593),

Gene: ClamChowder_12 Start: 5583, Stop: 7169, Start Num: 7
Candidate Starts for ClamChowder_12:
(Start: 7 @5583 has 97 MA's), (79, 5835), (85, 5865), (118, 5982), (125, 6003), (128, 6018), (190, 6192), (198, 6234), (201, 6258), (202, 6261), (210, 6300), (230, 6372), (252, 6432), (253, 6435), (254, 6438), (261, 6474), (263, 6483), (265, 6489), (266, 6492), (279, 6555), (286, 6600), (293, 6630), (299, 6678), (312, 6735), (318, 6756), (325, 6783), (326, 6786), (331, 6813), (337, 6864), (345, 6912),

Gene: Clawz_41 Start: 18090, Stop: 20060, Start Num: 20
Candidate Starts for Clawz_41:
(Start: 20 @18090 has 4 MA's), (33, 18135), (51, 18186), (90, 18330), (106, 18402), (134, 18489), (169, 18564), (178, 18600), (193, 18657), (205, 18732), (219, 18813), (226, 18885), (227, 18888), (236, 18918), (246, 18951), (264, 19026), (270, 19056), (279, 19095), (287, 19146), (294, 19179), (307, 19251), (324, 19323), (325, 19326), (331, 19356), (342, 19434), (346, 19464), (359, 19509), (408, 19602), (431, 19710), (438, 19725), (454, 19767), (466, 19845), (476, 19896), (480, 19914), (510, 20052),

Gene: ClearAsMud_22 Start: 9173, Stop: 10873, Start Num: 13
Candidate Starts for ClearAsMud_22:
(Start: 13 @9173 has 37 MA's), (Start: 14 @9182 has 13 MA's), (48, 9302), (79, 9407), (83, 9419), (100, 9518), (102, 9524), (105, 9533), (120, 9590), (126, 9608), (137, 9662), (144, 9686), (145, 9689), (157, 9713), (162, 9731), (168, 9749), (169, 9758), (179, 9794), (193, 9857), (203, 9920), (208, 9947), (214, 9992), (252, 10094), (253, 10097), (261, 10136), (266, 10154), (281, 10226), (293, 10292), (294, 10301), (299, 10340), (314, 10406), (316, 10412), (321, 10442), (346, 10595), (351, 10613), (358, 10634), (364, 10655), (365, 10658), (375, 10679), (434, 10832),

Gene: CloverMinnie_10 Start: 6780, Stop: 8627, Start Num: 22
Candidate Starts for CloverMinnie_10:
(Start: 22 @6780 has 397 MA's), (Start: 70 @6894 has 2 MA's), (79, 6936), (91, 6999), (138, 7170), (186, 7293), (187, 7299), (191, 7308), (193, 7317), (215, 7455), (219, 7473), (253, 7614), (258, 7641), (262, 7659), (266, 7671), (277, 7722), (285, 7773), (299, 7860), (315, 7929), (358, 8142), (387, 8202), (392, 8211), (446, 8352), (447, 8355), (463, 8427), (464, 8433), (469, 8454), (479, 8511), (487, 8556),

(490, 8568), (493, 8580), (496, 8592), (500, 8604), (502, 8607),

Gene: Clown_16 Start: 8860, Stop: 10452, Start Num: 7
Candidate Starts for Clown_16:
(Start: 7 @8860 has 97 MA's), (85, 9139), (115, 9247), (117, 9253), (118, 9256), (125, 9277), (128, 9292), (207, 9565), (210, 9577), (212, 9601), (229, 9646), (230, 9649), (252, 9706), (260, 9745), (261, 9748), (263, 9757), (265, 9763), (279, 9829), (286, 9874), (293, 9904), (299, 9952), (312, 10009), (318, 10030), (320, 10036), (325, 10057), (326, 10060), (330, 10081), (331, 10087), (369, 10264),

Gene: Cobra_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Cobra_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Coffee_12 Start: 7845, Stop: 9734, Start Num: 22
Candidate Starts for Coffee_12:
(Start: 22 @7845 has 397 MA's), (38, 7893), (Start: 46 @7917 has 2 MA's), (56, 7935), (Start: 70 @7968 has 2 MA's), (91, 8076), (110, 8160), (129, 8223), (138, 8259), (158, 8310), (165, 8322), (169, 8343), (191, 8421), (193, 8430), (199, 8475), (214, 8565), (215, 8568), (217, 8574), (219, 8586), (222, 8601), (223, 8613), (251, 8697), (258, 8730), (262, 8748), (273, 8793), (285, 8862), (287, 8874), (299, 8949), (304, 8973), (306, 8979), (311, 9006), (315, 9018), (317, 9024), (325, 9054), (326, 9057), (331, 9084), (339, 9150), (341, 9159), (358, 9234), (370, 9270), (395, 9315), (442, 9453), (443, 9456), (449, 9468), (467, 9555), (469, 9564), (470, 9573), (472, 9588), (478, 9618), (482, 9636), (485, 9651), (490, 9678), (493, 9690), (507, 9726),

Gene: Colbert_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Colbert_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: ColdSoup_42 Start: 18192, Stop: 20150, Start Num: 20
Candidate Starts for ColdSoup_42:
(Start: 20 @18192 has 4 MA's), (33, 18237), (51, 18288), (59, 18315), (107, 18504), (169, 18663), (193, 18756), (205, 18831), (217, 18900), (219, 18912), (220, 18918), (236, 19020), (246, 19053), (263, 19125), (264, 19128), (270, 19158), (279, 19197), (287, 19248), (294, 19281), (324, 19425), (325, 19428), (331, 19458), (346, 19566), (356, 19602), (359, 19611), (417, 19746), (454, 19860), (469, 19950), (498, 20103), (510, 20142),

Gene: Coldpizza_9 Start: 7349, Stop: 9073, Start Num: 70
Candidate Starts for Coldpizza_9:
(Start: 22 @7235 has 397 MA's), (Start: 70 @7349 has 2 MA's), (79, 7391), (92, 7460), (134, 7604), (135, 7607), (140, 7628), (141, 7631), (171, 7694), (214, 7910), (217, 7919), (219, 7931), (232, 7985), (237, 7997), (251, 8042), (262, 8093), (266, 8105), (268, 8120), (285, 8207), (306, 8324), (315, 8363), (443, 8789), (447, 8798), (469, 8897), (470, 8906), (500, 9047), (505, 9059),

Gene: Coletti_8 Start: 4549, Stop: 6357, Start Num: 64
Candidate Starts for Coletti_8:

(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Compostia_11 Start: 6322, Stop: 8226, Start Num: 22
Candidate Starts for Compostia_11:
(Start: 22 @6322 has 397 MA's), (31, 6349), (63, 6430), (80, 6493), (92, 6559), (99, 6592), (129, 6700), (155, 6790), (178, 6868), (193, 6925), (201, 6979), (214, 7060), (219, 7081), (223, 7108), (242, 7159), (244, 7168), (247, 7177), (285, 7354), (287, 7366), (299, 7441), (304, 7465), (309, 7486), (330, 7570), (352, 7708), (358, 7726), (366, 7753), (379, 7777), (443, 7942), (447, 7951), (469, 8056), (470, 8065), (475, 8092), (493, 8182), (500, 8206), (505, 8218),

Gene: Cooper_9 Start: 5704, Stop: 7593, Start Num: 22
Candidate Starts for Cooper_9:
(Start: 22 @5704 has 397 MA's), (56, 5785), (69, 5815), (80, 5866), (83, 5875), (119, 6031), (134, 6091), (157, 6151), (190, 6265), (191, 6268), (199, 6322), (214, 6412), (215, 6415), (223, 6460), (232, 6487), (239, 6505), (266, 6607), (268, 6622), (278, 6667), (285, 6709), (287, 6721), (299, 6796), (304, 6820), (306, 6826), (311, 6853), (313, 6859), (325, 6901), (359, 7084), (366, 7108), (437, 7282), (438, 7285), (450, 7309), (456, 7342), (468, 7408), (469, 7411), (470, 7420), (485, 7498), (498, 7564), (507, 7585),

Gene: Cornobble_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Cornobble_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Corofin_11 Start: 6339, Stop: 8243, Start Num: 22
Candidate Starts for Corofin_11:
(Start: 22 @6339 has 397 MA's), (31, 6366), (63, 6447), (80, 6510), (92, 6576), (99, 6609), (129, 6717), (155, 6807), (178, 6885), (193, 6942), (201, 6996), (214, 7077), (219, 7098), (223, 7125), (242, 7176), (244, 7185), (247, 7194), (285, 7371), (287, 7383), (299, 7458), (304, 7482), (309, 7503), (330, 7587), (352, 7725), (358, 7743), (366, 7770), (379, 7794), (443, 7959), (447, 7968), (469, 8073), (470, 8082), (475, 8109), (493, 8199), (500, 8223), (505, 8235),

Gene: Cosmolli16_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Cosmolli16_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: CoveyB_12 Start: 5455, Stop: 7041, Start Num: 7
Candidate Starts for CoveyB_12:
(Start: 7 @5455 has 97 MA's), (79, 5707), (85, 5737), (118, 5854), (125, 5875), (128, 5890), (190, 6064), (198, 6106), (201, 6130), (202, 6133), (210, 6172), (230, 6244), (252, 6304), (253, 6307), (254, 6310), (261, 6346), (263, 6355), (265, 6361), (266, 6364), (279, 6427), (286, 6472), (293, 6502), (299, 6550), (312, 6607), (318, 6628), (325, 6655), (326, 6658), (331, 6685), (337, 6736), (345, 6784),

Gene: Craff_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Craff_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Cranjis_21 Start: 8638, Stop: 10314, Start Num: 13
Candidate Starts for Cranjis_21:
(Start: 13 @8638 has 37 MA's), (Start: 14 @8647 has 13 MA's), (15, 8662), (Start: 46 @8761 has 2 MA's), (48, 8767), (79, 8872), (83, 8884), (100, 8983), (102, 8989), (106, 9001), (120, 9055), (126, 9073), (137, 9127), (146, 9157), (162, 9196), (168, 9214), (169, 9223), (179, 9259), (193, 9322), (203, 9385), (208, 9412), (252, 9559), (253, 9562), (261, 9601), (266, 9619), (281, 9691), (293, 9757), (294, 9766), (299, 9805), (307, 9838), (314, 9871), (316, 9877), (321, 9907), (325, 9922), (346, 10060), (350, 10075), (357, 10096), (358, 10099),

Gene: CrazyRich_19 Start: 8448, Stop: 10124, Start Num: 13
Candidate Starts for CrazyRich_19:
(Start: 13 @8448 has 37 MA's), (Start: 14 @8457 has 13 MA's), (Start: 46 @8571 has 2 MA's), (48, 8577), (79, 8682), (83, 8694), (100, 8793), (102, 8799), (106, 8811), (120, 8865), (126, 8883), (137, 8937), (146, 8967), (162, 9006), (168, 9024), (169, 9033), (179, 9069), (193, 9132), (203, 9195), (208, 9222), (252, 9369), (253, 9372), (261, 9411), (266, 9429), (281, 9501), (293, 9567), (294, 9576), (307, 9648), (314, 9681), (316, 9687), (321, 9717), (325, 9732), (346, 9870), (350, 9885), (357, 9906), (358, 9909),

Gene: Cressida_13 Start: 6076, Stop: 7833, Start Num: 14
Candidate Starts for Cressida_13:
(Start: 13 @6067 has 37 MA's), (Start: 14 @6076 has 13 MA's), (36, 6160), (56, 6232), (79, 6310), (83, 6322), (84, 6331), (86, 6343), (87, 6349), (100, 6421), (102, 6427), (128, 6523), (137, 6565), (152, 6625), (153, 6628), (162, 6661), (166, 6670), (168, 6679), (169, 6688), (189, 6769), (191, 6775), (193, 6784), (203, 6847), (208, 6874), (214, 6919), (252, 7021), (260, 7060), (266, 7081), (268, 7096), (281, 7153), (294, 7228), (297, 7252), (315, 7336), (316, 7339), (318, 7348), (325, 7384), (331, 7414), (332, 7420), (336, 7462), (351, 7543), (357, 7561), (358, 7564), (383, 7630), (385, 7633),

Gene: Crisis_21 Start: 8432, Stop: 10108, Start Num: 13
Candidate Starts for Crisis_21:
(Start: 13 @8432 has 37 MA's), (Start: 14 @8441 has 13 MA's), (15, 8456), (Start: 46 @8555 has 2 MA's), (48, 8561), (79, 8666), (83, 8678), (100, 8777), (102, 8783), (106, 8795), (120, 8849), (126, 8867), (137, 8921), (146, 8951), (162, 8990), (168, 9008), (169, 9017), (179, 9053), (193, 9116), (203, 9179), (208, 9206), (252, 9353), (253, 9356), (261, 9395), (266, 9413), (281, 9485), (293, 9551), (294, 9560), (307, 9632), (314, 9665), (316, 9671), (321, 9701), (325, 9716), (346, 9854), (350, 9869), (357, 9890), (358, 9893),

Gene: Crownjwl_9 Start: 4676, Stop: 6595, Start Num: 22
Candidate Starts for Crownjwl_9:
(Start: 22 @4676 has 397 MA's), (Start: 64 @4787 has 5 MA's), (72, 4802), (92, 4913), (127, 5045), (132, 5069), (134, 5075), (136, 5087), (140, 5099), (192, 5264), (212, 5390), (213, 5393), (214, 5405), (217, 5414), (219, 5426), (232, 5489), (236, 5498), (247, 5534), (253, 5552), (256, 5561), (266, 5609), (284, 5705), (285, 5711), (293, 5747), (299, 5795), (304, 5819), (343, 6014), (366, 6107), (458, 6359), (482, 6494), (490, 6536), (493, 6548),

Gene: D12_06 Start: 3403, Stop: 5202, Start Num: 46
Candidate Starts for D12_06:
(Start: 18 @3328 has 7 MA's), (Start: 22 @3346 has 397 MA's), (Start: 46 @3403 has 2 MA's), (86, 3541), (91, 3571), (103, 3625), (134, 3736), (175, 3865), (191, 3922), (193, 3931), (199, 3976), (203, 3994), (216, 4072), (217, 4075), (247, 4159), (255, 4183), (259, 4207), (285, 4336), (287, 4348), (293, 4372), (299, 4423), (311, 4480), (315, 4492), (346, 4666), (366, 4735), (463, 4987), (490, 5128), (493, 5140), (508, 5182),

Gene: DaddyDaniels_8 Start: 4440, Stop: 6359, Start Num: 22
Candidate Starts for DaddyDaniels_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: Daffy_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Daffy_8:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Daisy_11 Start: 6317, Stop: 8221, Start Num: 22
Candidate Starts for Daisy_11:
(Start: 22 @6317 has 397 MA's), (31, 6344), (63, 6425), (80, 6488), (92, 6554), (99, 6587), (129, 6695), (155, 6785), (178, 6863), (193, 6920), (201, 6974), (214, 7055), (219, 7076), (223, 7103), (242, 7154), (244, 7163), (247, 7172), (285, 7349), (287, 7361), (299, 7436), (304, 7460), (309, 7481), (330, 7565), (352, 7703), (358, 7721), (366, 7748), (379, 7772), (443, 7937), (447, 7946), (469, 8051), (470, 8060), (475, 8087), (493, 8177), (500, 8201), (505, 8213),

Gene: Daka_8 Start: 4444, Stop: 6363, Start Num: 22
Candidate Starts for Daka_8:
(Start: 22 @4444 has 397 MA's), (Start: 28 @4459 has 5 MA's), (Start: 64 @4555 has 5 MA's), (72, 4570), (92, 4681), (127, 4813), (132, 4837), (134, 4843), (136, 4855), (140, 4867), (192, 5032), (212, 5158), (213, 5161), (214, 5173), (217, 5182), (219, 5194), (232, 5257), (236, 5266), (247, 5302), (253, 5320), (256, 5329), (266, 5377), (284, 5473), (285, 5479), (293, 5515), (299, 5563), (304, 5587), (343, 5782), (366, 5875), (458, 6127), (482, 6262), (490, 6304), (493, 6316),

Gene: Danyall_12 Start: 5455, Stop: 7041, Start Num: 7
Candidate Starts for Danyall_12:
(Start: 7 @5455 has 97 MA's), (79, 5707), (85, 5737), (118, 5854), (125, 5875), (128, 5890), (190, 6064), (198, 6106), (201, 6130), (202, 6133), (210, 6172), (230, 6244), (252, 6304), (253, 6307), (254, 6310), (261, 6346), (263, 6355), (265, 6361), (266, 6364), (279, 6427), (286, 6472), (293, 6502), (299, 6550), (312, 6607), (318, 6628), (325, 6655), (326, 6658), (331, 6685), (337, 6736), (345, 6784),

Gene: Dati_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Dati_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343,

5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Deenasa_11 Start: 7077, Stop: 8981, Start Num: 22
Candidate Starts for Deenasa_11:
(Start: 22 @7077 has 397 MA's), (31, 7104), (63, 7185), (80, 7248), (92, 7314), (99, 7347), (129, 7455), (155, 7545), (178, 7623), (193, 7680), (201, 7734), (214, 7815), (219, 7836), (223, 7863), (242, 7914), (244, 7923), (247, 7932), (285, 8109), (287, 8121), (299, 8196), (304, 8220), (309, 8241), (330, 8325), (352, 8463), (358, 8481), (366, 8508), (379, 8532), (447, 8706), (469, 8811), (470, 8820), (475, 8847), (493, 8937), (500, 8961), (505, 8973),

Gene: DelRivs_8 Start: 4440, Stop: 6359, Start Num: 22
Candidate Starts for DelRivs_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: Delrey21_14 Start: 7230, Stop: 8897, Start Num: 7
Candidate Starts for Delrey21_14:
(Start: 7 @7230 has 97 MA's), (17, 7305), (Start: 21 @7326 has 1 MA's), (30, 7353), (55, 7440), (78, 7521), (84, 7551), (109, 7647), (113, 7662), (119, 7683), (126, 7704), (130, 7728), (162, 7800), (166, 7809), (194, 7920), (195, 7935), (199, 7959), (203, 7977), (206, 7992), (207, 7998), (230, 8073), (252, 8133), (279, 8268), (286, 8313), (294, 8352), (301, 8403), (309, 8436), (311, 8448), (312, 8451), (316, 8463), (320, 8478), (326, 8502), (330, 8523), (337, 8580), (345, 8631), (353, 8661), (355, 8667), (377, 8724), (400, 8769), (418, 8817),

Gene: Derg_10 Start: 5599, Stop: 7227, Start Num: 7
Candidate Starts for Derg_10:
(Start: 7 @5599 has 97 MA's), (32, 5722), (41, 5743), (59, 5800), (78, 5863), (84, 5893), (99, 5956), (106, 5983), (166, 6151), (188, 6238), (195, 6277), (199, 6301), (203, 6319), (206, 6334), (207, 6340), (218, 6403), (252, 6475), (260, 6514), (266, 6535), (273, 6580), (279, 6610), (286, 6655), (289, 6670), (290, 6673), (295, 6709), (304, 6757), (307, 6766), (312, 6793), (320, 6820), (330, 6865), (340, 6940), (345, 6970), (349, 6988), (364, 7027), (367, 7033), (376, 7048), (385, 7069), (389, 7075), (412, 7111), (419, 7144),

Gene: Derpp_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Derpp_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Devonte_11 Start: 6314, Stop: 8218, Start Num: 22
Candidate Starts for Devonte_11:
(Start: 22 @6314 has 397 MA's), (31, 6341), (63, 6422), (80, 6485), (92, 6551), (99, 6584), (129, 6692), (155, 6782), (178, 6860), (193, 6917), (201, 6971), (214, 7052), (219, 7073), (223, 7100), (242, 7151), (244, 7160), (247, 7169), (285, 7346), (287, 7358), (299, 7433), (304, 7457), (309, 7478), (330, 7562), (352, 7700), (358, 7718), (366, 7745), (379, 7769), (443, 7934), (447, 7943), (469, 8048), (470, 8057), (475, 8084), (493, 8174), (500, 8198), (505, 8210),

Gene: Dexdert_14 Start: 6244, Stop: 7917, Start Num: 7

Candidate Starts for Dexdert_14:
(Start: 7 @6244 has 97 MA's), (10, 6271), (26, 6352), (78, 6538), (84, 6568), (102, 6646), (109, 6664), (130, 6745), (162, 6817), (166, 6826), (180, 6886), (203, 6994), (205, 7006), (206, 7009), (207, 7015), (252, 7150), (253, 7153), (266, 7210), (279, 7285), (286, 7330), (290, 7348), (293, 7360), (299, 7408), (304, 7432), (309, 7453), (312, 7468), (326, 7519), (345, 7645), (353, 7675), (364, 7702),

Gene: Dice_8 Start: 4440, Stop: 6359, Start Num: 22
Candidate Starts for Dice_8:
(Start: 22 @4440 has 397 MA's), (Start: 28 @4455 has 5 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: DigitDog_10 Start: 6702, Stop: 8567, Start Num: 22
Candidate Starts for DigitDog_10:
(Start: 22 @6702 has 397 MA's), (Start: 28 @6717 has 5 MA's), (79, 6855), (83, 6867), (93, 6927), (101, 6969), (128, 7053), (130, 7065), (132, 7074), (179, 7191), (181, 7206), (193, 7245), (215, 7383), (219, 7401), (232, 7455), (270, 7599), (278, 7635), (285, 7677), (299, 7764), (304, 7788), (311, 7821), (315, 7833), (318, 7845), (325, 7869), (358, 8049), (363, 8067), (431, 8247), (438, 8268), (449, 8289), (468, 8391), (479, 8451), (507, 8559), (508, 8562),

Gene: Dingo_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Dingo_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Dione_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Dione_8:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: DirtJuice_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for DirtJuice_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: DoctorFroggo_14 Start: 7230, Stop: 8897, Start Num: 7
Candidate Starts for DoctorFroggo_14:
(Start: 7 @7230 has 97 MA's), (17, 7305), (Start: 21 @7326 has 1 MA's), (30, 7353), (55, 7440), (78, 7521), (84, 7551), (109, 7647), (113, 7662), (119, 7683), (126, 7704), (130, 7728), (162, 7800), (166, 7809), (194, 7920), (195, 7935), (199, 7959), (203, 7977), (206, 7992), (207, 7998), (230, 8073), (252, 8133), (279, 8268), (286, 8313), (294, 8352), (301, 8403), (309, 8436), (311, 8448), (312, 8451), (316, 8463), (320, 8478), (326, 8502), (330, 8523), (337, 8580), (345, 8631), (353, 8661), (355, 8667), (377,

8724), (400, 8769), (418, 8817),

Gene: Doddsville_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Doddsville_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Dodo_82 Start: 30154, Stop: 31890, Start Num: 29
Candidate Starts for Dodo_82:
(Start: 29 @30154 has 6 MA's), (49, 30217), (50, 30226), (75, 30304), (88, 30376), (89, 30385), (94, 30409), (96, 30418), (122, 30499), (146, 30592), (168, 30649), (191, 30772), (199, 30826), (219, 30934), (252, 31045), (261, 31087), (279, 31168), (282, 31189), (294, 31252), (303, 31312), (310, 31345), (323, 31393), (334, 31453), (350, 31564), (386, 31672), (422, 31792), (425, 31816),

Gene: DoesntMatter_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for DoesntMatter_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: DonSanchon_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for DonSanchon_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: DonTron_41 Start: 18262, Stop: 20220, Start Num: 20
Candidate Starts for DonTron_41:
(Start: 20 @18262 has 4 MA's), (33, 18307), (51, 18358), (59, 18385), (107, 18574), (169, 18733), (193, 18826), (205, 18901), (217, 18970), (219, 18982), (220, 18988), (236, 19090), (246, 19123), (263, 19195), (264, 19198), (270, 19228), (279, 19267), (294, 19351), (324, 19495), (325, 19498), (331, 19528), (346, 19636), (356, 19672), (359, 19681), (417, 19816), (442, 19897), (454, 19930), (469, 20020), (498, 20173), (510, 20212),

Gene: Donny_10 Start: 6695, Stop: 8560, Start Num: 22
Candidate Starts for Donny_10:
(Start: 22 @6695 has 397 MA's), (Start: 28 @6710 has 5 MA's), (45, 6752), (79, 6848), (83, 6860), (128, 7046), (130, 7058), (132, 7067), (179, 7184), (181, 7199), (193, 7238), (215, 7376), (219, 7394), (235, 7454), (270, 7592), (278, 7628), (285, 7670), (287, 7682), (299, 7757), (304, 7781), (311, 7814), (315, 7826), (318, 7838), (325, 7862), (358, 8042), (363, 8060), (431, 8240), (438, 8261), (449, 8282), (468, 8384), (479, 8444), (507, 8552), (508, 8555),

Gene: Dori_7 Start: 3691, Stop: 5658, Start Num: 18
Candidate Starts for Dori_7:
(Start: 18 @3691 has 7 MA's), (Start: 22 @3709 has 397 MA's), (49, 3787), (56, 3817), (63, 3835), (91, 3958), (116, 4054), (119, 4063), (131, 4114), (166, 4213), (175, 4258), (191, 4318), (193, 4327), (199,

4372), (204, 4393), (213, 4450), (216, 4468), (234, 4549), (240, 4570), (245, 4582), (247, 4591), (251, 4603), (262, 4654), (263, 4657), (270, 4690), (285, 4768), (287, 4780), (293, 4804), (303, 4876), (304, 4879), (325, 4960), (340, 5059), (345, 5089), (358, 5140), (442, 5374), (461, 5440), (462, 5449), (469, 5485), (472, 5509), (487, 5587), (490, 5599), (507, 5650), (508, 5653),

Gene: DuchessDung_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for DuchessDung_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Duggie_8 Start: 4440, Stop: 6359, Start Num: 22
Candidate Starts for Duggie_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: DunneganBoMo_69 Start: 27884, Stop: 29458, Start Num: 45
Candidate Starts for DunneganBoMo_69:
(Start: 27 @27824 has 1 MA's), (45, 27884), (137, 28241), (191, 28430), (193, 28439), (238, 28643), (252, 28691), (288, 28871), (303, 28958), (319, 29024), (321, 29036), (368, 29267), (409, 29354), (440, 29447),

Gene: Durga_8 Start: 4437, Stop: 6356, Start Num: 22
Candidate Starts for Durga_8:
(Start: 22 @4437 has 397 MA's), (Start: 64 @4548 has 5 MA's), (72, 4563), (92, 4674), (127, 4806), (132, 4830), (134, 4836), (136, 4848), (140, 4860), (192, 5025), (212, 5151), (213, 5154), (214, 5166), (217, 5175), (219, 5187), (232, 5250), (236, 5259), (247, 5295), (253, 5313), (256, 5322), (266, 5370), (284, 5466), (285, 5472), (293, 5508), (299, 5556), (304, 5580), (343, 5775), (366, 5868), (458, 6120), (482, 6255), (490, 6297), (493, 6309),

Gene: EMoore_7 Start: 4408, Stop: 6045, Start Num: 7
Candidate Starts for EMoore_7:
(Start: 7 @4408 has 97 MA's), (12, 4444), (Start: 14 @4462 has 13 MA's), (Start: 27 @4522 has 1 MA's), (34, 4546), (56, 4603), (66, 4636), (78, 4681), (84, 4711), (90, 4744), (92, 4759), (118, 4840), (161, 4957), (162, 4960), (180, 5029), (199, 5119), (201, 5128), (203, 5137), (206, 5152), (207, 5158), (216, 5212), (230, 5233), (252, 5293), (253, 5296), (266, 5353), (267, 5377), (269, 5386), (279, 5428), (286, 5473), (290, 5491), (294, 5512), (304, 5575), (309, 5596), (312, 5611), (326, 5662), (342, 5767), (345, 5788), (353, 5818), (362, 5836), (363, 5842), (377, 5878), (389, 5902), (391, 5908), (400, 5923), (419, 5980), (427, 6016),

Gene: Eaglehorse_12 Start: 7746, Stop: 9635, Start Num: 22
Candidate Starts for Eaglehorse_12:
(Start: 22 @7746 has 397 MA's), (38, 7794), (Start: 46 @7818 has 2 MA's), (56, 7836), (Start: 70 @7869 has 2 MA's), (91, 7977), (110, 8061), (129, 8124), (138, 8160), (158, 8211), (165, 8223), (169, 8244), (191, 8322), (193, 8331), (199, 8376), (214, 8466), (215, 8469), (217, 8475), (219, 8487), (222, 8502), (223, 8514), (251, 8598), (258, 8631), (262, 8649), (273, 8694), (285, 8763), (287, 8775), (299, 8850), (304, 8874), (306, 8880), (311, 8907), (315, 8919), (317, 8925), (325, 8955), (326, 8958), (331, 8985), (339, 9051), (341, 9060), (358, 9135), (370, 9171), (395, 9216), (442, 9354), (443, 9357), (449,

9369), (467, 9456), (469, 9465), (470, 9474), (472, 9489), (478, 9519), (482, 9537), (485, 9552), (490, 9579), (493, 9591), (507, 9627),

Gene: EarickHC_20 Start: 8353, Stop: 10035, Start Num: 14
Candidate Starts for EarickHC_20:
(Start: 13 @8344 has 37 MA's), (Start: 14 @8353 has 13 MA's), (15, 8368), (Start: 46 @8467 has 2 MA's), (48, 8473), (79, 8578), (83, 8590), (100, 8689), (102, 8695), (106, 8707), (120, 8761), (126, 8779), (137, 8833), (146, 8863), (162, 8902), (168, 8920), (169, 8929), (179, 8965), (193, 9028), (203, 9091), (208, 9118), (252, 9265), (253, 9268), (261, 9307), (281, 9397), (293, 9463), (294, 9472), (307, 9544), (314, 9577), (316, 9583), (321, 9613), (325, 9628), (346, 9766), (350, 9781), (357, 9802), (358, 9805),

Gene: EastView9101_10 Start: 6695, Stop: 8563, Start Num: 22
Candidate Starts for EastView9101_10:
(Start: 22 @6695 has 397 MA's), (Start: 28 @6710 has 5 MA's), (31, 6719), (79, 6851), (83, 6863), (84, 6872), (128, 7049), (130, 7061), (132, 7070), (134, 7076), (179, 7187), (181, 7202), (193, 7241), (215, 7379), (219, 7397), (235, 7457), (270, 7595), (278, 7631), (285, 7673), (287, 7685), (299, 7760), (304, 7784), (311, 7817), (315, 7829), (318, 7841), (325, 7865), (358, 8045), (363, 8063), (431, 8243), (438, 8264), (449, 8285), (468, 8387), (479, 8447), (507, 8555), (508, 8558),

Gene: EdmundFerry_12 Start: 5801, Stop: 7477, Start Num: 7
Candidate Starts for EdmundFerry_12:
(Start: 7 @5801 has 97 MA's), (11, 5834), (26, 5912), (42, 5966), (78, 6098), (84, 6128), (102, 6206), (109, 6224), (130, 6305), (162, 6377), (166, 6386), (180, 6446), (203, 6554), (205, 6566), (206, 6569), (207, 6575), (252, 6710), (253, 6713), (266, 6770), (279, 6845), (286, 6890), (290, 6908), (294, 6929), (299, 6968), (304, 6992), (309, 7013), (312, 7028), (326, 7079), (330, 7100), (345, 7205), (353, 7235), (363, 7259), (364, 7262), (400, 7340),

Gene: Ellewin_67 Start: 27611, Stop: 29185, Start Num: 45
Candidate Starts for Ellewin_67:
(Start: 27 @27551 has 1 MA's), (45, 27611), (137, 27968), (191, 28157), (193, 28166), (238, 28370), (252, 28418), (288, 28598), (303, 28685), (319, 28751), (321, 28763), (368, 28994), (409, 29081), (440, 29174),

Gene: ElvisPhasley_8 Start: 4553, Stop: 6361, Start Num: 64
Candidate Starts for ElvisPhasley_8:
(Start: 22 @4442 has 397 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Emiris_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Emiris_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: EmpTee_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for EmpTee_8:

(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Epah_8 Start: 5643, Stop: 7532, Start Num: 22
Candidate Starts for Epah_8:
(Start: 22 @5643 has 397 MA's), (62, 5739), (69, 5754), (80, 5805), (83, 5814), (91, 5865), (93, 5874), (119, 5970), (134, 6030), (169, 6126), (191, 6207), (199, 6261), (214, 6351), (215, 6354), (235, 6432), (239, 6444), (266, 6546), (278, 6606), (285, 6648), (287, 6660), (299, 6735), (304, 6759), (306, 6765), (311, 6792), (313, 6798), (325, 6840), (331, 6870), (433, 7212), (437, 7221), (438, 7224), (456, 7281), (468, 7347), (469, 7350), (470, 7359), (490, 7473), (503, 7518), (507, 7524),

Gene: Eremos_8 Start: 4441, Stop: 6354, Start Num: 22
Candidate Starts for Eremos_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6118), (482, 6253), (490, 6295), (493, 6307),

Gene: Etaye_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Etaye_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Eugenia_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Eugenia_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Evaa_9 Start: 6619, Stop: 8448, Start Num: 22
Candidate Starts for Evaa_9:
(Start: 22 @6619 has 397 MA's), (37, 6664), (Start: 70 @6733 has 2 MA's), (79, 6775), (91, 6838), (106, 6907), (118, 6925), (140, 7012), (183, 7132), (202, 7222), (206, 7243), (214, 7300), (217, 7309), (219, 7321), (251, 7432), (262, 7483), (266, 7495), (268, 7510), (285, 7597), (287, 7609), (299, 7684), (304, 7708), (315, 7753), (325, 7789), (358, 7966), (442, 8173), (446, 8182), (447, 8185), (463, 8257), (469, 8284), (470, 8293), (490, 8398), (500, 8434), (502, 8437),

Gene: Evamon_12 Start: 5436, Stop: 7022, Start Num: 7
Candidate Starts for Evamon_12:
(Start: 7 @5436 has 97 MA's), (79, 5688), (85, 5718), (118, 5835), (125, 5856), (128, 5871), (190, 6045), (198, 6087), (201, 6111), (202, 6114), (210, 6153), (230, 6225), (252, 6285), (253, 6288), (254, 6291), (261, 6327), (263, 6336), (265, 6342), (266, 6345), (279, 6408), (286, 6453), (293, 6483), (299, 6531), (312, 6588), (318, 6609), (325, 6636), (326, 6639), (331, 6666), (337, 6717), (345, 6765),

Gene: Fanaw_9 Start: 6763, Stop: 8637, Start Num: 28
Candidate Starts for Fanaw_9:
(Start: 22 @6748 has 397 MA's), (Start: 28 @6763 has 5 MA's), (62, 6844), (69, 6859), (80, 6910), (83, 6919), (91, 6970), (119, 7075), (134, 7135), (169, 7231), (190, 7309), (191, 7312), (199, 7366), (214, 7456), (215, 7459), (235, 7537), (239, 7549), (266, 7651), (278, 7711), (285, 7753), (287, 7765), (304, 7864), (306, 7870), (311, 7897), (313, 7903), (316, 7912), (325, 7945), (331, 7975), (433, 8317), (437, 8326), (455, 8368), (458, 8392), (468, 8452), (469, 8455), (470, 8464), (490, 8578), (503, 8623), (507, 8629),

Gene: Fang_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Fang_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Faze9_12 Start: 7845, Stop: 9734, Start Num: 22
Candidate Starts for Faze9_12:
(Start: 22 @7845 has 397 MA's), (38, 7893), (Start: 46 @7917 has 2 MA's), (56, 7935), (Start: 70 @7968 has 2 MA's), (91, 8076), (110, 8160), (129, 8223), (138, 8259), (158, 8310), (165, 8322), (169, 8343), (191, 8421), (193, 8430), (199, 8475), (214, 8565), (215, 8568), (217, 8574), (219, 8586), (222, 8601), (223, 8613), (251, 8697), (258, 8730), (262, 8748), (273, 8793), (285, 8862), (287, 8874), (299, 8949), (304, 8973), (306, 8979), (311, 9006), (315, 9018), (317, 9024), (325, 9054), (326, 9057), (331, 9084), (339, 9150), (341, 9159), (358, 9234), (370, 9270), (395, 9315), (442, 9453), (443, 9456), (449, 9468), (467, 9555), (469, 9564), (470, 9573), (472, 9588), (478, 9618), (482, 9636), (485, 9651), (490, 9678), (493, 9690), (507, 9726),

Gene: Fireball_13 Start: 5562, Stop: 7145, Start Num: 7
Candidate Starts for Fireball_13:
(Start: 7 @5562 has 97 MA's), (32, 5676), (85, 5844), (119, 5964), (125, 5982), (128, 5997), (182, 6147), (192, 6177), (201, 6237), (202, 6240), (210, 6279), (230, 6351), (252, 6411), (253, 6414), (254, 6417), (261, 6453), (263, 6462), (265, 6468), (266, 6471), (279, 6534), (286, 6579), (293, 6609), (299, 6657), (312, 6714), (318, 6735), (320, 6741), (325, 6762), (331, 6792), (337, 6843), (345, 6891),

Gene: Fireman_20 Start: 8089, Stop: 9774, Start Num: 14
Candidate Starts for Fireman_20:
(Start: 13 @8080 has 37 MA's), (Start: 14 @8089 has 13 MA's), (48, 8212), (79, 8317), (83, 8329), (120, 8500), (126, 8518), (136, 8569), (162, 8641), (167, 8653), (168, 8659), (169, 8668), (179, 8704), (193, 8767), (203, 8830), (208, 8857), (214, 8902), (217, 8911), (237, 8953), (252, 9004), (253, 9007), (261, 9046), (263, 9055), (266, 9064), (273, 9097), (281, 9136), (293, 9202), (294, 9211), (295, 9226), (299, 9250), (314, 9316), (316, 9322), (321, 9349), (346, 9502), (358, 9541), (364, 9562), (383, 9607), (438, 9754),

Gene: Fitzgerald_11 Start: 6943, Stop: 8565, Start Num: 7
Candidate Starts for Fitzgerald_11:
(Start: 7 @6943 has 97 MA's), (32, 7063), (50, 7102), (59, 7141), (78, 7204), (99, 7297), (106, 7324), (118, 7363), (166, 7492), (180, 7552), (196, 7621), (199, 7642), (203, 7660), (206, 7675), (207, 7681), (218, 7744), (248, 7804), (252, 7816), (260, 7855), (263, 7867), (266, 7876), (269, 7909), (273, 7921), (279, 7951), (286, 7996), (289, 8011), (290, 8014), (295, 8050), (304, 8098), (307, 8107), (312, 8134), (345, 8311), (364, 8368), (367, 8374), (376, 8389), (385, 8410), (389, 8416), (412, 8452), (418, 8479),

Gene: Flatwoods_13 Start: 6473, Stop: 8101, Start Num: 7

Candidate Starts for Flatwoods_13:
(Start: 7 @6473 has 97 MA's), (32, 6596), (41, 6617), (59, 6674), (78, 6737), (84, 6767), (99, 6830), (106, 6857), (162, 7016), (166, 7025), (188, 7112), (195, 7151), (199, 7175), (203, 7193), (206, 7208), (207, 7214), (218, 7277), (252, 7349), (260, 7388), (273, 7454), (279, 7484), (286, 7529), (289, 7544), (290, 7547), (295, 7583), (304, 7631), (307, 7640), (312, 7667), (320, 7694), (330, 7739), (340, 7814), (345, 7844), (349, 7862), (364, 7901), (367, 7907), (376, 7922), (385, 7943), (389, 7949), (412, 7985), (419, 8018),

Gene: FluffyNinja_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for FluffyNinja_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: ForDig_7 Start: 5208, Stop: 7124, Start Num: 22
Candidate Starts for ForDig_7:
(Start: 22 @5208 has 397 MA's), (Start: 28 @5223 has 5 MA's), (55, 5286), (56, 5289), (Start: 64 @5310 has 5 MA's), (77, 5352), (79, 5367), (80, 5370), (82, 5379), (113, 5529), (134, 5610), (143, 5640), (163, 5688), (190, 5781), (191, 5784), (199, 5838), (201, 5847), (214, 5928), (215, 5931), (219, 5949), (232, 6012), (239, 6030), (254, 6078), (266, 6132), (278, 6192), (285, 6234), (297, 6306), (299, 6321), (303, 6342), (311, 6378), (315, 6390), (325, 6426), (348, 6573), (354, 6594), (369, 6639), (395, 6705), (438, 6828), (455, 6867), (456, 6885), (481, 7017), (482, 7020), (499, 7098),

Gene: Fortunato_9 Start: 6742, Stop: 8628, Start Num: 22
Candidate Starts for Fortunato_9:
(Start: 22 @6742 has 397 MA's), (Start: 28 @6757 has 5 MA's), (62, 6838), (69, 6853), (80, 6904), (83, 6913), (91, 6964), (119, 7069), (134, 7129), (169, 7225), (190, 7303), (191, 7306), (199, 7360), (214, 7450), (215, 7453), (235, 7531), (239, 7543), (266, 7645), (278, 7705), (285, 7747), (287, 7759), (304, 7858), (306, 7864), (311, 7891), (313, 7897), (325, 7939), (331, 7969), (433, 8308), (437, 8317), (438, 8320), (455, 8359), (458, 8383), (468, 8443), (469, 8446), (470, 8455), (490, 8569), (503, 8614), (507, 8620),

Gene: Forza_77 Start: 31301, Stop: 33031, Start Num: 23
Candidate Starts for Forza_77:
(Start: 23 @31301 has 5 MA's), (50, 31379), (67, 31433), (74, 31445), (90, 31532), (92, 31547), (115, 31637), (135, 31712), (156, 31802), (197, 31997), (199, 32015), (200, 32018), (203, 32033), (206, 32048), (209, 32063), (212, 32090), (220, 32129), (272, 32300), (279, 32333), (287, 32384), (291, 32399), (293, 32408), (305, 32483), (306, 32486), (310, 32510), (351, 32735), (356, 32750), (365, 32780), (380, 32828), (388, 32843), (390, 32849),

Gene: Fosterous_10 Start: 6015, Stop: 7637, Start Num: 7
Candidate Starts for Fosterous_10:
(Start: 7 @6015 has 97 MA's), (50, 6174), (59, 6213), (78, 6276), (99, 6369), (106, 6396), (118, 6435), (162, 6555), (166, 6564), (180, 6624), (196, 6693), (199, 6714), (203, 6732), (206, 6747), (207, 6753), (218, 6816), (248, 6876), (252, 6888), (260, 6927), (263, 6939), (266, 6948), (273, 6993), (279, 7023), (286, 7068), (289, 7083), (290, 7086), (295, 7122), (304, 7170), (307, 7179), (312, 7206), (339, 7350), (345, 7383), (364, 7440), (367, 7446), (376, 7461), (385, 7482), (389, 7488), (412, 7524), (418, 7551),

Gene: Fozzie_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Fozzie_8:

(Start: 22 @4439 has 397 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Frankicide_8 Start: 4443, Stop: 6362, Start Num: 22
Candidate Starts for Frankicide_8:
(Start: 22 @4443 has 397 MA's), (Start: 28 @4458 has 5 MA's), (Start: 64 @4554 has 5 MA's), (72, 4569), (92, 4680), (127, 4812), (132, 4836), (134, 4842), (136, 4854), (140, 4866), (192, 5031), (212, 5157), (213, 5160), (214, 5172), (217, 5181), (219, 5193), (232, 5256), (236, 5265), (247, 5301), (253, 5319), (256, 5328), (266, 5376), (284, 5472), (285, 5478), (293, 5514), (299, 5562), (304, 5586), (343, 5781), (366, 5874), (458, 6126), (482, 6261), (490, 6303), (493, 6315),

Gene: Frederick_9 Start: 6748, Stop: 8637, Start Num: 22
Candidate Starts for Frederick_9:
(Start: 22 @6748 has 397 MA's), (Start: 28 @6763 has 5 MA's), (62, 6844), (69, 6859), (80, 6910), (83, 6919), (91, 6970), (119, 7075), (134, 7135), (169, 7231), (190, 7309), (191, 7312), (193, 7321), (199, 7366), (214, 7456), (215, 7459), (235, 7537), (239, 7549), (266, 7651), (278, 7711), (285, 7753), (287, 7765), (304, 7864), (306, 7870), (311, 7897), (313, 7903), (316, 7912), (325, 7945), (331, 7975), (433, 8317), (437, 8326), (438, 8329), (458, 8392), (468, 8452), (469, 8455), (470, 8464), (490, 8578), (496, 8602), (507, 8629),

Gene: FrenchFry_12 Start: 7845, Stop: 9734, Start Num: 22
Candidate Starts for FrenchFry_12:
(Start: 22 @7845 has 397 MA's), (38, 7893), (Start: 46 @7917 has 2 MA's), (56, 7935), (Start: 70 @7968 has 2 MA's), (91, 8076), (110, 8160), (129, 8223), (138, 8259), (158, 8310), (165, 8322), (169, 8343), (191, 8421), (193, 8430), (199, 8475), (214, 8565), (215, 8568), (217, 8574), (219, 8586), (222, 8601), (223, 8613), (251, 8697), (258, 8730), (262, 8748), (273, 8793), (285, 8862), (287, 8874), (299, 8949), (304, 8973), (306, 8979), (311, 9006), (315, 9018), (317, 9024), (325, 9054), (326, 9057), (331, 9084), (339, 9150), (341, 9159), (358, 9234), (370, 9270), (395, 9315), (442, 9453), (443, 9456), (449, 9468), (467, 9555), (469, 9564), (470, 9573), (472, 9588), (478, 9618), (482, 9636), (485, 9651), (490, 9678), (493, 9690), (507, 9726),

Gene: Fresco_8 Start: 5303, Stop: 7141, Start Num: 22
Candidate Starts for Fresco_8:
(Start: 22 @5303 has 397 MA's), (Start: 39 @5351 has 2 MA's), (Start: 70 @5417 has 2 MA's), (79, 5459), (106, 5591), (129, 5654), (134, 5672), (191, 5825), (193, 5834), (199, 5879), (206, 5912), (214, 5969), (215, 5972), (219, 5990), (224, 6023), (231, 6050), (262, 6161), (266, 6173), (268, 6188), (285, 6275), (287, 6287), (299, 6362), (304, 6386), (312, 6422), (314, 6428), (315, 6431), (316, 6434), (325, 6467), (446, 6866), (447, 6869), (449, 6872), (463, 6941), (464, 6947), (469, 6968), (475, 7004), (484, 7049), (487, 7070), (493, 7094), (496, 7106), (500, 7118), (502, 7121),

Gene: Freya_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Freya_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: FriarPreacher_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for FriarPreacher_8:

(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Fringe_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Fringe_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: FuegoCuervo_16 Start: 6765, Stop: 8387, Start Num: 7
Candidate Starts for FuegoCuervo_16:
(Start: 7 @6765 has 97 MA's), (50, 6924), (59, 6963), (78, 7026), (99, 7119), (106, 7146), (118, 7185), (166, 7314), (180, 7374), (196, 7443), (199, 7464), (203, 7482), (206, 7497), (207, 7503), (218, 7566), (248, 7626), (252, 7638), (260, 7677), (263, 7689), (266, 7698), (269, 7731), (273, 7743), (279, 7773), (286, 7818), (289, 7833), (290, 7836), (295, 7872), (304, 7920), (307, 7929), (312, 7956), (345, 8133), (364, 8190), (367, 8196), (376, 8211), (385, 8232), (389, 8238), (412, 8274), (418, 8301),

Gene: FugateOSU_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for FugateOSU_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Fugax_12 Start: 5583, Stop: 7169, Start Num: 7
Candidate Starts for Fugax_12:
(Start: 7 @5583 has 97 MA's), (79, 5835), (85, 5865), (118, 5982), (125, 6003), (128, 6018), (190, 6192), (198, 6234), (201, 6258), (202, 6261), (210, 6300), (230, 6372), (252, 6432), (253, 6435), (254, 6438), (261, 6474), (263, 6483), (265, 6489), (266, 6492), (279, 6555), (286, 6600), (293, 6630), (299, 6678), (312, 6735), (318, 6756), (325, 6783), (326, 6786), (331, 6813), (337, 6864), (345, 6912),

Gene: Funsized_14 Start: 8736, Stop: 10637, Start Num: 22
Candidate Starts for Funsized_14:
(Start: 22 @8736 has 397 MA's), (56, 8817), (85, 8931), (113, 9063), (155, 9207), (185, 9303), (193, 9330), (199, 9375), (211, 9432), (214, 9465), (215, 9468), (219, 9486), (236, 9549), (239, 9558), (244, 9576), (261, 9642), (262, 9648), (278, 9720), (285, 9762), (286, 9768), (311, 9903), (312, 9906), (315, 9915), (330, 9975), (348, 10098), (359, 10134), (367, 10161), (401, 10221), (437, 10335), (470, 10473), (483, 10542), (485, 10551),

Gene: FuzzBuster_24 Start: 8570, Stop: 10354, Start Num: 13
Candidate Starts for FuzzBuster_24:
(Start: 13 @8570 has 37 MA's), (Start: 14 @8579 has 13 MA's), (Start: 29 @8636 has 6 MA's), (79, 8798), (87, 8837), (106, 8930), (145, 9086), (159, 9116), (160, 9119), (203, 9314), (208, 9341), (214, 9386), (216, 9392), (217, 9395), (222, 9419), (252, 9488), (261, 9530), (263, 9539), (264, 9542), (279, 9611), (294, 9695), (297, 9719), (315, 9803), (316, 9806), (328, 9863), (330, 9872), (331, 9878), (357, 10025), (364, 10049), (376, 10076), (383, 10094), (404, 10136), (432, 10265),

Gene: GMA2_9 Start: 6225, Stop: 7979, Start Num: 16
Candidate Starts for GMA2_9:
(16, 6225), (67, 6396), (90, 6495), (91, 6504), (99, 6543), (151, 6741), (173, 6834), (197, 6963), (199, 6981), (209, 7029), (212, 7056), (214, 7068), (243, 7143), (293, 7374), (306, 7452), (315, 7491), (353, 7707), (365, 7746), (388, 7809), (390, 7815), (406, 7851), (423, 7926),

Gene: GTE6_14 Start: 6302, Stop: 7978, Start Num: 7
Candidate Starts for GTE6_14:
(Start: 7 @6302 has 97 MA's), (11, 6335), (26, 6413), (34, 6440), (42, 6467), (78, 6599), (84, 6629), (102, 6707), (109, 6725), (130, 6806), (162, 6878), (166, 6887), (180, 6947), (203, 7055), (205, 7067), (206, 7070), (207, 7076), (252, 7211), (253, 7214), (266, 7271), (279, 7346), (286, 7391), (290, 7409), (294, 7430), (299, 7469), (304, 7493), (309, 7514), (312, 7529), (326, 7580), (330, 7601), (345, 7706), (353, 7736),

Gene: Gadjet_12 Start: 6318, Stop: 8222, Start Num: 22
Candidate Starts for Gadjet_12:
(Start: 22 @6318 has 397 MA's), (31, 6345), (63, 6426), (80, 6489), (92, 6555), (99, 6588), (129, 6696), (155, 6786), (178, 6864), (193, 6921), (201, 6975), (214, 7056), (219, 7077), (223, 7104), (242, 7155), (244, 7164), (247, 7173), (285, 7350), (287, 7362), (299, 7437), (304, 7461), (309, 7482), (330, 7566), (352, 7704), (358, 7722), (366, 7749), (379, 7773), (443, 7938), (447, 7947), (469, 8052), (470, 8061), (475, 8088), (493, 8178), (500, 8202), (505, 8214),

Gene: Gaea_12 Start: 6275, Stop: 7903, Start Num: 7
Candidate Starts for Gaea_12:
(Start: 7 @6275 has 97 MA's), (32, 6398), (41, 6419), (59, 6476), (78, 6539), (84, 6569), (99, 6632), (106, 6659), (166, 6827), (188, 6914), (195, 6953), (199, 6977), (203, 6995), (206, 7010), (207, 7016), (218, 7079), (252, 7151), (260, 7190), (273, 7256), (279, 7286), (286, 7331), (289, 7346), (290, 7349), (295, 7385), (304, 7433), (307, 7442), (312, 7469), (320, 7496), (330, 7541), (337, 7598), (340, 7616), (345, 7646), (349, 7664), (364, 7703), (367, 7709), (376, 7724), (385, 7745), (389, 7751), (412, 7787), (419, 7820),

Gene: Galadriel_14 Start: 6783, Stop: 8405, Start Num: 7
Candidate Starts for Galadriel_14:
(Start: 7 @6783 has 97 MA's), (50, 6942), (59, 6981), (78, 7044), (99, 7137), (106, 7164), (118, 7203), (166, 7332), (180, 7392), (196, 7461), (199, 7482), (203, 7500), (206, 7515), (207, 7521), (218, 7584), (248, 7644), (252, 7656), (260, 7695), (263, 7707), (266, 7716), (273, 7761), (279, 7791), (286, 7836), (289, 7851), (290, 7854), (295, 7890), (304, 7938), (307, 7947), (312, 7974), (345, 8151), (364, 8208), (367, 8214), (376, 8229), (385, 8250), (389, 8256), (412, 8292), (418, 8319),

Gene: Ganandorf_19 Start: 8504, Stop: 10171, Start Num: 14
Candidate Starts for Ganandorf_19:
(Start: 13 @8495 has 37 MA's), (Start: 14 @8504 has 13 MA's), (Start: 46 @8618 has 2 MA's), (48, 8624), (79, 8729), (83, 8741), (100, 8840), (102, 8846), (106, 8858), (120, 8912), (126, 8930), (137, 8984), (146, 9014), (162, 9053), (168, 9071), (169, 9080), (179, 9116), (193, 9179), (203, 9242), (208, 9269), (252, 9416), (253, 9419), (261, 9458), (266, 9476), (281, 9548), (293, 9614), (294, 9623), (307, 9695), (314, 9728), (316, 9734), (321, 9764), (325, 9779), (346, 9917), (350, 9932), (357, 9953), (358, 9956),

Gene: Gareth_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Gareth_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253,

5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: GeneCoco_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for GeneCoco_8:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Geodirt_12 Start: 6790, Stop: 8412, Start Num: 7
Candidate Starts for Geodirt_12:
(Start: 7 @6790 has 97 MA's), (50, 6949), (59, 6988), (78, 7051), (99, 7144), (106, 7171), (118, 7210), (166, 7339), (180, 7399), (196, 7468), (199, 7489), (203, 7507), (206, 7522), (207, 7528), (218, 7591), (248, 7651), (252, 7663), (260, 7702), (263, 7714), (266, 7723), (269, 7756), (273, 7768), (279, 7798), (286, 7843), (289, 7858), (290, 7861), (295, 7897), (304, 7945), (307, 7954), (312, 7981), (345, 8158), (364, 8215), (367, 8221), (376, 8236), (385, 8257), (389, 8263), (412, 8299), (418, 8326),

Gene: Gervas_11 Start: 6309, Stop: 8207, Start Num: 22
Candidate Starts for Gervas_11:
(Start: 22 @6309 has 397 MA's), (31, 6336), (63, 6417), (80, 6480), (92, 6546), (99, 6579), (129, 6687), (155, 6777), (178, 6855), (193, 6912), (201, 6966), (214, 7047), (219, 7068), (223, 7095), (242, 7146), (244, 7155), (247, 7164), (285, 7341), (287, 7353), (299, 7428), (304, 7452), (309, 7473), (330, 7557), (352, 7695), (358, 7713), (366, 7740), (379, 7764), (443, 7923), (447, 7932), (469, 8037), (470, 8046), (475, 8073), (493, 8163), (494, 8166), (500, 8187), (505, 8199),

Gene: Gezellig_12 Start: 5562, Stop: 7145, Start Num: 7
Candidate Starts for Gezellig_12:
(Start: 7 @5562 has 97 MA's), (32, 5676), (85, 5844), (119, 5964), (125, 5982), (128, 5997), (182, 6147), (192, 6177), (201, 6237), (202, 6240), (210, 6279), (230, 6351), (252, 6411), (253, 6414), (254, 6417), (261, 6453), (263, 6462), (265, 6468), (266, 6471), (279, 6534), (286, 6579), (293, 6609), (299, 6657), (312, 6714), (318, 6735), (320, 6741), (325, 6762), (331, 6792), (337, 6843), (345, 6891),

Gene: GinPorsche_8 Start: 5643, Stop: 7532, Start Num: 22
Candidate Starts for GinPorsche_8:
(Start: 22 @5643 has 397 MA's), (62, 5739), (69, 5754), (80, 5805), (83, 5814), (91, 5865), (93, 5874), (119, 5970), (134, 6030), (157, 6090), (169, 6126), (191, 6207), (199, 6261), (214, 6351), (215, 6354), (235, 6432), (239, 6444), (266, 6546), (278, 6606), (285, 6648), (287, 6660), (293, 6684), (299, 6735), (304, 6759), (306, 6765), (311, 6792), (313, 6798), (325, 6840), (331, 6870), (437, 7221), (438, 7224), (456, 7281), (468, 7347), (469, 7350), (470, 7359), (490, 7473), (503, 7518), (507, 7524),

Gene: Gina_20 Start: 7583, Stop: 9301, Start Num: 13
Candidate Starts for Gina_20:
(Start: 13 @7583 has 37 MA's), (Start: 14 @7592 has 13 MA's), (48, 7712), (79, 7817), (83, 7829), (100, 7928), (106, 7946), (120, 8000), (126, 8018), (136, 8069), (142, 8093), (157, 8123), (167, 8153), (168, 8159), (169, 8168), (179, 8204), (193, 8267), (203, 8330), (208, 8357), (214, 8402), (252, 8504), (253, 8507), (263, 8555), (266, 8564), (273, 8597), (281, 8636), (293, 8702), (294, 8711), (295, 8726), (297, 8735), (299, 8750), (301, 8762), (307, 8783), (314, 8816), (316, 8822), (321, 8852), (331, 8897), (346, 9005), (353, 9029), (364, 9065), (365, 9068), (375, 9089), (383, 9110), (432, 9245), (438, 9257), (447, 9284),

Gene: Giraffe_8 Start: 4442, Stop: 6361, Start Num: 22

Candidate Starts for Giraffe_8:
(Start: 22 @4442 has 397 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Glass_12 Start: 7845, Stop: 9734, Start Num: 22
Candidate Starts for Glass_12:
(Start: 22 @7845 has 397 MA's), (38, 7893), (Start: 46 @7917 has 2 MA's), (56, 7935), (Start: 70 @7968 has 2 MA's), (110, 8160), (129, 8223), (138, 8259), (158, 8310), (165, 8322), (169, 8343), (191, 8421), (193, 8430), (199, 8475), (214, 8565), (215, 8568), (217, 8574), (219, 8586), (222, 8601), (223, 8613), (251, 8697), (258, 8730), (262, 8748), (273, 8793), (285, 8862), (287, 8874), (299, 8949), (304, 8973), (306, 8979), (311, 9006), (315, 9018), (317, 9024), (325, 9054), (326, 9057), (331, 9084), (339, 9150), (341, 9159), (358, 9234), (370, 9270), (395, 9315), (442, 9453), (443, 9456), (449, 9468), (467, 9555), (469, 9564), (470, 9573), (472, 9588), (478, 9618), (482, 9636), (485, 9651), (490, 9678), (493, 9690), (507, 9726),

Gene: GlenHope_12 Start: 6328, Stop: 8232, Start Num: 22
Candidate Starts for GlenHope_12:
(Start: 22 @6328 has 397 MA's), (31, 6355), (63, 6436), (80, 6499), (92, 6565), (99, 6598), (129, 6706), (155, 6796), (178, 6874), (193, 6931), (201, 6985), (214, 7066), (219, 7087), (223, 7114), (242, 7165), (244, 7174), (247, 7183), (285, 7360), (287, 7372), (299, 7447), (304, 7471), (309, 7492), (330, 7576), (352, 7714), (358, 7732), (366, 7759), (379, 7783), (443, 7948), (447, 7957), (469, 8062), (470, 8071), (475, 8098), (493, 8188), (494, 8191), (500, 8212), (505, 8224),

Gene: Glorp_21 Start: 8506, Stop: 10173, Start Num: 14
Candidate Starts for Glorp_21:
(Start: 13 @8497 has 37 MA's), (Start: 14 @8506 has 13 MA's), (15, 8521), (Start: 46 @8620 has 2 MA's), (48, 8626), (79, 8731), (83, 8743), (100, 8842), (102, 8848), (106, 8860), (120, 8914), (126, 8932), (137, 8986), (146, 9016), (162, 9055), (168, 9073), (169, 9082), (179, 9118), (193, 9181), (203, 9244), (208, 9271), (252, 9418), (253, 9421), (261, 9460), (266, 9478), (281, 9550), (293, 9616), (294, 9625), (307, 9697), (314, 9730), (316, 9736), (321, 9766), (325, 9781), (346, 9919), (350, 9934), (357, 9955), (358, 9958),

Gene: Glubnar_11 Start: 6318, Stop: 8222, Start Num: 22
Candidate Starts for Glubnar_11:
(Start: 22 @6318 has 397 MA's), (31, 6345), (63, 6426), (80, 6489), (92, 6555), (99, 6588), (129, 6696), (155, 6786), (178, 6864), (193, 6921), (201, 6975), (214, 7056), (219, 7077), (223, 7104), (242, 7155), (244, 7164), (247, 7173), (285, 7350), (287, 7362), (299, 7437), (304, 7461), (309, 7482), (330, 7566), (352, 7704), (358, 7722), (366, 7749), (379, 7773), (443, 7938), (447, 7947), (469, 8052), (470, 8061), (475, 8088), (493, 8178), (494, 8181), (500, 8202), (505, 8214),

Gene: GodPhather_7 Start: 3607, Stop: 5463, Start Num: 22
Candidate Starts for GodPhather_7:
(Start: 18 @3589 has 7 MA's), (Start: 22 @3607 has 397 MA's), (Start: 46 @3664 has 2 MA's), (86, 3802), (91, 3832), (103, 3886), (134, 3997), (175, 4126), (191, 4183), (193, 4192), (199, 4237), (203, 4255), (216, 4333), (217, 4336), (247, 4420), (255, 4444), (259, 4468), (285, 4597), (287, 4609), (293, 4633), (299, 4684), (311, 4741), (315, 4753), (346, 4927), (366, 4996), (463, 5248), (490, 5389), (493, 5401), (508, 5443),

Gene: Godines_12 Start: 7728, Stop: 9617, Start Num: 22
Candidate Starts for Godines_12:

(Start: 22 @7728 has 397 MA's), (38, 7776), (Start: 46 @7800 has 2 MA's), (56, 7818), (Start: 70 @7851 has 2 MA's), (91, 7959), (110, 8043), (129, 8106), (138, 8142), (158, 8193), (169, 8226), (191, 8304), (193, 8313), (199, 8358), (214, 8448), (215, 8451), (217, 8457), (219, 8469), (222, 8484), (223, 8496), (251, 8580), (258, 8613), (262, 8631), (273, 8676), (285, 8745), (287, 8757), (299, 8832), (304, 8856), (306, 8862), (311, 8889), (315, 8901), (317, 8907), (325, 8937), (326, 8940), (331, 8967), (339, 9033), (341, 9042), (358, 9117), (370, 9153), (395, 9198), (442, 9336), (443, 9339), (449, 9351), (467, 9438), (469, 9447), (470, 9456), (472, 9471), (478, 9501), (482, 9519), (485, 9534), (490, 9561), (493, 9573), (507, 9609),

Gene: GodonK_66 Start: 24698, Stop: 26512, Start Num: 21
Candidate Starts for GodonK_66:
(Start: 19 @24686 has 1 MA's), (Start: 21 @24698 has 1 MA's), (34, 24743), (42, 24767), (67, 24854), (87, 24938), (88, 24941), (97, 24986), (151, 25199), (174, 25298), (178, 25322), (199, 25442), (205, 25472), (209, 25490), (212, 25517), (244, 25613), (252, 25637), (260, 25676), (264, 25691), (273, 25730), (274, 25733), (275, 25736), (283, 25784), (287, 25811), (293, 25835), (305, 25910), (306, 25913), (307, 25916), (309, 25928), (310, 25937), (315, 25952), (316, 25955), (347, 26150), (363, 26201), (390, 26276), (398, 26297), (428, 26414),

Gene: GoldenEssence_65 Start: 27488, Stop: 29167, Start Num: 27
Candidate Starts for GoldenEssence_65:
(Start: 25 @27482 has 1 MA's), (Start: 27 @27488 has 1 MA's), (56, 27593), (88, 27716), (90, 27728), (126, 27851), (170, 28001), (193, 28103), (199, 28148), (206, 28181), (233, 28304), (238, 28313), (241, 28325), (252, 28361), (293, 28559), (303, 28628), (361, 28913), (384, 28979), (388, 28985), (426, 29111), (430, 29120), (440, 29156),

Gene: Gophee_8 Start: 4552, Stop: 6360, Start Num: 64
Candidate Starts for Gophee_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Grand2040_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Grand2040_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Gustavo_12 Start: 6272, Stop: 7900, Start Num: 7
Candidate Starts for Gustavo_12:
(Start: 7 @6272 has 97 MA's), (32, 6395), (41, 6416), (59, 6473), (78, 6536), (84, 6566), (99, 6629), (106, 6656), (166, 6824), (188, 6911), (195, 6950), (199, 6974), (203, 6992), (206, 7007), (207, 7013), (218, 7076), (252, 7148), (260, 7187), (273, 7253), (279, 7283), (286, 7328), (289, 7343), (290, 7346), (295, 7382), (304, 7430), (307, 7439), (312, 7466), (320, 7493), (330, 7538), (340, 7613), (345, 7643), (349, 7661), (364, 7700), (367, 7706), (376, 7721), (385, 7742), (389, 7748), (412, 7784), (419, 7817),

Gene: Gwennie1_9 Start: 4552, Stop: 6360, Start Num: 64
Candidate Starts for Gwennie1_9:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170),

(217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Gwilliam_9 Start: 4564, Stop: 6357, Start Num: 72
Candidate Starts for Gwilliam_9:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Gyarad_008 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Gyarad_008:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: HSavage_8 Start: 4443, Stop: 6362, Start Num: 22
Candidate Starts for HSavage_8:
(Start: 22 @4443 has 397 MA's), (Start: 28 @4458 has 5 MA's), (Start: 64 @4554 has 5 MA's), (72, 4569), (92, 4680), (127, 4812), (132, 4836), (134, 4842), (136, 4854), (140, 4866), (192, 5031), (212, 5157), (213, 5160), (214, 5172), (217, 5181), (219, 5193), (232, 5256), (236, 5265), (247, 5301), (253, 5319), (256, 5328), (266, 5376), (284, 5472), (285, 5478), (293, 5514), (299, 5562), (304, 5586), (343, 5781), (366, 5874), (458, 6126), (482, 6261), (490, 6303), (493, 6315),

Gene: Haimas_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Haimas_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Haleema_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Haleema_8:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Halfpint_10 Start: 6163, Stop: 8067, Start Num: 22
Candidate Starts for Halfpint_10:
(Start: 22 @6163 has 397 MA's), (31, 6190), (63, 6271), (80, 6334), (92, 6400), (99, 6433), (129, 6541), (155, 6631), (178, 6709), (193, 6766), (201, 6820), (214, 6901), (219, 6922), (223, 6949), (242, 7000), (244, 7009), (247, 7018), (285, 7195), (287, 7207), (299, 7282), (304, 7306), (309, 7327), (330, 7411), (352, 7549), (358, 7567), (366, 7594), (379, 7618), (443, 7783), (447, 7792), (469, 7897), (470, 7906), (475, 7933), (493, 8023), (500, 8047), (505, 8059),

Gene: Hally898_8 Start: 5643, Stop: 7532, Start Num: 22

Candidate Starts for Hally898_8:
(Start: 22 @5643 has 397 MA's), (62, 5739), (69, 5754), (80, 5805), (83, 5814), (91, 5865), (93, 5874), (119, 5970), (134, 6030), (169, 6126), (191, 6207), (199, 6261), (214, 6351), (215, 6354), (235, 6432), (239, 6444), (266, 6546), (278, 6606), (285, 6648), (287, 6660), (299, 6735), (304, 6759), (306, 6765), (311, 6792), (313, 6798), (325, 6840), (331, 6870), (433, 7212), (437, 7221), (438, 7224), (456, 7281), (468, 7347), (469, 7350), (470, 7359), (490, 7473), (503, 7518), (507, 7524),

Gene: Halo3_13 Start: 5892, Stop: 7478, Start Num: 7
Candidate Starts for Halo3_13:
(Start: 7 @5892 has 97 MA's), (17, 5955), (79, 6144), (85, 6174), (118, 6291), (125, 6312), (128, 6327), (190, 6501), (192, 6507), (198, 6543), (201, 6567), (202, 6570), (210, 6609), (230, 6681), (252, 6741), (260, 6780), (261, 6783), (263, 6792), (265, 6798), (279, 6864), (286, 6909), (293, 6939), (299, 6987), (312, 7044), (318, 7065), (325, 7092), (326, 7095), (331, 7122), (337, 7173), (345, 7221),

Gene: Hamish_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Hamish_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Hangman_9 Start: 6748, Stop: 8637, Start Num: 22
Candidate Starts for Hangman_9:
(Start: 22 @6748 has 397 MA's), (Start: 28 @6763 has 5 MA's), (62, 6844), (69, 6859), (80, 6910), (83, 6919), (91, 6970), (119, 7075), (134, 7135), (169, 7231), (190, 7309), (191, 7312), (193, 7321), (199, 7366), (214, 7456), (215, 7459), (235, 7537), (239, 7549), (266, 7651), (278, 7711), (285, 7753), (287, 7765), (299, 7840), (304, 7864), (306, 7870), (311, 7897), (313, 7903), (316, 7912), (325, 7945), (331, 7975), (433, 8317), (437, 8326), (438, 8329), (458, 8392), (468, 8452), (469, 8455), (470, 8464), (490, 8578), (496, 8602), (507, 8629),

Gene: Hans_15 Start: 6962, Stop: 8596, Start Num: 7
Candidate Starts for Hans_15:
(Start: 7 @6962 has 97 MA's), (10, 6989), (12, 6998), (17, 7034), (34, 7100), (56, 7157), (66, 7190), (78, 7235), (84, 7265), (85, 7274), (90, 7298), (92, 7313), (118, 7394), (132, 7451), (161, 7511), (166, 7523), (169, 7541), (180, 7583), (199, 7673), (203, 7691), (206, 7706), (207, 7712), (216, 7766), (230, 7787), (252, 7847), (253, 7850), (266, 7907), (267, 7931), (273, 7952), (279, 7982), (286, 8027), (290, 8045), (294, 8066), (304, 8129), (309, 8150), (312, 8165), (326, 8216), (342, 8321), (345, 8342), (353, 8372), (362, 8390), (389, 8456), (400, 8477), (419, 8531),

Gene: Hartsy_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Hartsy_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Harvey_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Harvey_8:
(Start: 22 @4442 has 397 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375),

(284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: HarveySr_11 Start: 6315, Stop: 8219, Start Num: 22
Candidate Starts for HarveySr_11:
(Start: 22 @6315 has 397 MA's), (31, 6342), (63, 6423), (80, 6486), (92, 6552), (99, 6585), (129, 6693), (155, 6783), (178, 6861), (193, 6918), (201, 6972), (214, 7053), (219, 7074), (223, 7101), (242, 7152), (244, 7161), (247, 7170), (285, 7347), (287, 7359), (299, 7434), (304, 7458), (309, 7479), (330, 7563), (352, 7701), (358, 7719), (366, 7746), (379, 7770), (443, 7935), (447, 7944), (469, 8049), (470, 8058), (475, 8085), (493, 8175), (494, 8178), (500, 8199), (505, 8211),

Gene: Hashim76_13 Start: 5567, Stop: 7492, Start Num: 22
Candidate Starts for Hashim76_13:
(Start: 22 @5567 has 397 MA's), (128, 5942), (130, 5954), (140, 5993), (161, 6044), (167, 6059), (194, 6170), (199, 6209), (204, 6230), (212, 6284), (213, 6287), (219, 6320), (228, 6368), (236, 6392), (239, 6401), (244, 6419), (256, 6455), (277, 6554), (285, 6605), (293, 6641), (304, 6713), (352, 6956), (358, 6974), (446, 7208), (469, 7319), (470, 7328), (472, 7343), (482, 7391), (503, 7478),

Gene: Heath_9 Start: 6748, Stop: 8637, Start Num: 22
Candidate Starts for Heath_9:
(Start: 22 @6748 has 397 MA's), (Start: 28 @6763 has 5 MA's), (62, 6844), (69, 6859), (80, 6910), (83, 6919), (91, 6970), (119, 7075), (134, 7135), (169, 7231), (190, 7309), (191, 7312), (193, 7321), (199, 7366), (214, 7456), (215, 7459), (235, 7537), (239, 7549), (266, 7651), (278, 7711), (285, 7753), (287, 7765), (299, 7840), (304, 7864), (306, 7870), (311, 7897), (313, 7903), (316, 7912), (325, 7945), (331, 7975), (433, 8317), (437, 8326), (438, 8329), (458, 8392), (468, 8452), (469, 8455), (470, 8464), (490, 8578), (503, 8623), (507, 8629),

Gene: Heathcliff_11 Start: 6309, Stop: 8204, Start Num: 22
Candidate Starts for Heathcliff_11:
(Start: 22 @6309 has 397 MA's), (31, 6336), (63, 6417), (80, 6480), (92, 6546), (99, 6579), (129, 6687), (155, 6777), (178, 6855), (193, 6912), (201, 6966), (214, 7047), (219, 7068), (223, 7095), (242, 7146), (244, 7155), (247, 7164), (285, 7341), (287, 7353), (299, 7428), (304, 7452), (309, 7473), (330, 7557), (352, 7695), (358, 7713), (366, 7740), (379, 7764), (443, 7920), (447, 7929), (469, 8034), (470, 8043), (475, 8070), (493, 8160), (494, 8163), (500, 8184), (505, 8196),

Gene: Hedgerow_12 Start: 7827, Stop: 9716, Start Num: 22
Candidate Starts for Hedgerow_12:
(Start: 22 @7827 has 397 MA's), (38, 7875), (Start: 46 @7899 has 2 MA's), (56, 7917), (Start: 70 @7950 has 2 MA's), (91, 8058), (110, 8142), (129, 8205), (138, 8241), (158, 8292), (165, 8304), (169, 8325), (191, 8403), (193, 8412), (199, 8457), (214, 8547), (215, 8550), (217, 8556), (219, 8568), (222, 8583), (223, 8595), (251, 8679), (258, 8712), (262, 8730), (273, 8775), (285, 8844), (287, 8856), (299, 8931), (304, 8955), (306, 8961), (311, 8988), (315, 9000), (317, 9006), (325, 9036), (326, 9039), (331, 9066), (339, 9132), (341, 9141), (358, 9216), (370, 9252), (395, 9297), (442, 9435), (443, 9438), (449, 9450), (467, 9537), (469, 9546), (470, 9555), (472, 9570), (478, 9600), (482, 9618), (485, 9633), (490, 9660), (493, 9672), (507, 9708),

Gene: Held_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Held_8:
(Start: 22 @4442 has 397 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: HenryJackson_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for HenryJackson_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Hermeonysus_19 Start: 8365, Stop: 10041, Start Num: 13
Candidate Starts for Hermeonysus_19:
(Start: 13 @8365 has 37 MA's), (Start: 14 @8374 has 13 MA's), (Start: 46 @8488 has 2 MA's), (48, 8494), (79, 8599), (83, 8611), (100, 8710), (102, 8716), (106, 8728), (120, 8782), (126, 8800), (137, 8854), (146, 8884), (162, 8923), (168, 8941), (169, 8950), (179, 8986), (193, 9049), (203, 9112), (208, 9139), (252, 9286), (253, 9289), (261, 9328), (266, 9346), (281, 9418), (293, 9484), (294, 9493), (307, 9565), (314, 9598), (316, 9604), (321, 9634), (325, 9649), (346, 9787), (350, 9802), (357, 9823), (358, 9826),

Gene: Hertubise_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Hertubise_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Hetaeria_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Hetaeria_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: HighStump_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for HighStump_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Hocus_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Hocus_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Holeinone_12 Start: 7727, Stop: 9616, Start Num: 22
Candidate Starts for Holeinone_12:

(Start: 22 @7727 has 397 MA's), (38, 7775), (Start: 46 @7799 has 2 MA's), (56, 7817), (Start: 70 @7850 has 2 MA's), (91, 7958), (110, 8042), (129, 8105), (138, 8141), (158, 8192), (169, 8225), (191, 8303), (193, 8312), (199, 8357), (214, 8447), (215, 8450), (217, 8456), (219, 8468), (222, 8483), (223, 8495), (251, 8579), (258, 8612), (262, 8630), (273, 8675), (285, 8744), (287, 8756), (299, 8831), (304, 8855), (306, 8861), (311, 8888), (315, 8900), (317, 8906), (325, 8936), (326, 8939), (331, 8966), (339, 9032), (341, 9041), (358, 9116), (370, 9152), (395, 9197), (442, 9335), (443, 9338), (449, 9350), (467, 9437), (469, 9446), (470, 9455), (472, 9470), (478, 9500), (482, 9518), (485, 9533), (490, 9560), (493, 9572), (507, 9608),

Gene: Honeyfin_21 Start: 8650, Stop: 10356, Start Num: 13
Candidate Starts for Honeyfin_21:
(Start: 13 @8650 has 37 MA's), (Start: 14 @8659 has 13 MA's), (15, 8674), (Start: 46 @8773 has 2 MA's), (48, 8779), (79, 8884), (83, 8896), (100, 8995), (102, 9001), (120, 9067), (126, 9085), (137, 9139), (146, 9169), (162, 9208), (168, 9226), (169, 9235), (179, 9271), (193, 9334), (203, 9397), (208, 9424), (214, 9469), (252, 9571), (253, 9574), (261, 9613), (266, 9631), (281, 9703), (293, 9769), (294, 9778), (299, 9817), (307, 9850), (314, 9883), (316, 9889), (321, 9919), (346, 10072), (350, 10087), (357, 10108), (358, 10111), (438, 10324),

Gene: Horchata_8 Start: 4440, Stop: 6359, Start Num: 22
Candidate Starts for Horchata_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: Hosp_05 Start: 3410, Stop: 5326, Start Num: 22
Candidate Starts for Hosp_05:
(Start: 22 @3410 has 397 MA's), (Start: 28 @3425 has 5 MA's), (55, 3488), (Start: 64 @3512 has 5 MA's), (77, 3554), (79, 3569), (80, 3572), (82, 3581), (113, 3731), (134, 3812), (143, 3842), (163, 3890), (190, 3983), (191, 3986), (193, 3995), (201, 4049), (202, 4052), (214, 4130), (215, 4133), (219, 4151), (232, 4214), (239, 4232), (254, 4280), (266, 4334), (278, 4394), (285, 4436), (297, 4508), (299, 4523), (303, 4544), (311, 4580), (315, 4592), (325, 4628), (348, 4775), (369, 4841), (395, 4907), (438, 5030), (451, 5060), (455, 5069), (456, 5087), (481, 5219), (482, 5222), (499, 5300),

Gene: Hydro_9 Start: 6745, Stop: 8634, Start Num: 22
Candidate Starts for Hydro_9:
(Start: 22 @6745 has 397 MA's), (Start: 28 @6760 has 5 MA's), (62, 6841), (69, 6856), (80, 6907), (83, 6916), (91, 6967), (119, 7072), (134, 7132), (169, 7228), (190, 7306), (191, 7309), (193, 7318), (199, 7363), (214, 7453), (215, 7456), (235, 7534), (239, 7546), (266, 7648), (278, 7708), (285, 7750), (287, 7762), (299, 7837), (304, 7861), (306, 7867), (311, 7894), (313, 7900), (316, 7909), (325, 7942), (331, 7972), (433, 8314), (437, 8323), (438, 8326), (458, 8389), (468, 8449), (469, 8452), (470, 8461), (490, 8575), (496, 8599), (507, 8626),

Gene: ImtiyazSitla_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for ImtiyazSitla_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Imvubu_5 Start: 3537, Stop: 5456, Start Num: 22

Candidate Starts for Imvubu_5:
(Start: 22 @3537 has 397 MA's), (56, 3618), (82, 3708), (99, 3798), (113, 3858), (116, 3870), (127, 3909), (155, 4002), (175, 4071), (177, 4077), (184, 4107), (185, 4110), (193, 4137), (199, 4182), (214, 4272), (215, 4275), (219, 4293), (253, 4410), (256, 4419), (261, 4449), (266, 4467), (285, 4569), (293, 4605), (308, 4689), (314, 4719), (315, 4722), (338, 4851), (341, 4863), (401, 5028), (431, 5133), (469, 5283), (472, 5307), (483, 5361), (485, 5370), (493, 5409), (503, 5442),

Gene: Inchworm_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Inchworm_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Indlovu_9 Start: 6386, Stop: 8284, Start Num: 22
Candidate Starts for Indlovu_9:
(Start: 22 @6386 has 397 MA's), (86, 6608), (91, 6638), (98, 6668), (108, 6716), (113, 6737), (134, 6818), (179, 6929), (185, 6956), (193, 6983), (199, 7028), (239, 7211), (263, 7304), (266, 7313), (277, 7364), (285, 7415), (287, 7427), (299, 7502), (304, 7526), (311, 7559), (358, 7787), (367, 7817), (436, 7988), (449, 8012), (468, 8108), (470, 8120), (485, 8198), (487, 8213), (507, 8276),

Gene: Inspectinfecti_14 Start: 7478, Stop: 9112, Start Num: 7
Candidate Starts for Inspectinfecti_14:
(Start: 7 @7478 has 97 MA's), (10, 7505), (12, 7514), (17, 7550), (Start: 27 @7592 has 1 MA's), (34, 7616), (56, 7673), (66, 7706), (78, 7751), (84, 7781), (85, 7790), (90, 7814), (92, 7829), (118, 7910), (132, 7967), (161, 8027), (166, 8039), (169, 8057), (180, 8099), (199, 8189), (203, 8207), (206, 8222), (207, 8228), (216, 8282), (230, 8303), (252, 8363), (253, 8366), (266, 8423), (267, 8447), (279, 8498), (286, 8543), (290, 8561), (294, 8582), (304, 8645), (309, 8666), (312, 8681), (326, 8732), (342, 8837), (345, 8858), (353, 8888), (362, 8906), (389, 8972), (400, 8993), (419, 9047),

Gene: Inverness_8 Start: 4458, Stop: 6362, Start Num: 28
Candidate Starts for Inverness_8:
(Start: 22 @4443 has 397 MA's), (Start: 28 @4458 has 5 MA's), (Start: 64 @4554 has 5 MA's), (72, 4569), (92, 4680), (127, 4812), (132, 4836), (134, 4842), (136, 4854), (140, 4866), (192, 5031), (212, 5157), (213, 5160), (214, 5172), (217, 5181), (219, 5193), (232, 5256), (236, 5265), (247, 5301), (253, 5319), (256, 5328), (266, 5376), (284, 5472), (285, 5478), (293, 5514), (299, 5562), (304, 5586), (343, 5781), (366, 5874), (458, 6126), (482, 6261), (490, 6303), (493, 6315),

Gene: Iridessa_8 Start: 4551, Stop: 6359, Start Num: 64
Candidate Starts for Iridessa_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: Iridoclysis_8 Start: 4445, Stop: 6364, Start Num: 22
Candidate Starts for Iridoclysis_8:
(Start: 22 @4445 has 397 MA's), (Start: 28 @4460 has 5 MA's), (Start: 64 @4556 has 5 MA's), (72, 4571), (92, 4682), (127, 4814), (132, 4838), (134, 4844), (136, 4856), (140, 4868), (192, 5033), (212, 5159), (213, 5162), (214, 5174), (217, 5183), (219, 5195), (232, 5258), (236, 5267), (247, 5303), (253, 5321), (256, 5330), (266, 5378), (284, 5474), (285, 5480), (293, 5516), (299, 5564), (304, 5588), (343,

5783), (366, 5876), (458, 6128), (482, 6263), (490, 6305), (493, 6317),

Gene: IsaacEli_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for IsaacEli_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: ItsyBitsy1_12 Start: 7719, Stop: 9608, Start Num: 22
Candidate Starts for ItsyBitsy1_12:
(Start: 22 @7719 has 397 MA's), (38, 7767), (Start: 46 @7791 has 2 MA's), (56, 7809), (Start: 70 @7842 has 2 MA's), (91, 7950), (110, 8034), (129, 8097), (138, 8133), (158, 8184), (169, 8217), (191, 8295), (193, 8304), (199, 8349), (214, 8439), (215, 8442), (217, 8448), (219, 8460), (222, 8475), (223, 8487), (251, 8571), (258, 8604), (262, 8622), (273, 8667), (285, 8736), (287, 8748), (299, 8823), (304, 8847), (306, 8853), (311, 8880), (315, 8892), (317, 8898), (325, 8928), (326, 8931), (331, 8958), (339, 9024), (341, 9033), (358, 9108), (370, 9144), (395, 9189), (442, 9327), (443, 9330), (449, 9342), (467, 9429), (469, 9438), (470, 9447), (472, 9462), (478, 9492), (482, 9510), (485, 9525), (490, 9552), (493, 9564), (507, 9600),

Gene: JAMaL_8 Start: 6274, Stop: 8166, Start Num: 22
Candidate Starts for JAMaL_8:
(Start: 22 @6274 has 397 MA's), (56, 6355), (69, 6385), (73, 6394), (80, 6436), (83, 6445), (93, 6505), (116, 6592), (119, 6601), (134, 6661), (139, 6682), (157, 6721), (169, 6757), (190, 6835), (191, 6838), (193, 6847), (199, 6892), (214, 6982), (215, 6985), (232, 7057), (235, 7063), (236, 7066), (239, 7075), (256, 7129), (262, 7165), (266, 7177), (268, 7192), (278, 7237), (285, 7279), (287, 7291), (303, 7387), (304, 7390), (306, 7396), (311, 7423), (313, 7429), (331, 7501), (359, 7654), (403, 7744), (433, 7846), (437, 7855), (438, 7858), (456, 7915), (458, 7921), (469, 7984), (470, 7993), (490, 8107), (498, 8137), (507, 8158),

Gene: JDog_8 Start: 4440, Stop: 6359, Start Num: 22
Candidate Starts for JDog_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: JKSyngboy_11 Start: 6783, Stop: 8414, Start Num: 7
Candidate Starts for JKSyngboy_11:
(Start: 7 @6783 has 97 MA's), (32, 6906), (41, 6927), (59, 6984), (78, 7047), (99, 7140), (106, 7167), (166, 7335), (188, 7422), (195, 7461), (199, 7485), (203, 7503), (206, 7518), (207, 7524), (218, 7587), (252, 7659), (256, 7671), (260, 7698), (266, 7719), (273, 7764), (279, 7794), (286, 7839), (289, 7854), (290, 7857), (295, 7893), (304, 7941), (307, 7950), (330, 8049), (337, 8106), (340, 8124), (345, 8154), (349, 8172), (364, 8211), (367, 8217), (376, 8232), (385, 8253), (389, 8259), (412, 8298),

Gene: Jabberwocky_11 Start: 6945, Stop: 8567, Start Num: 7
Candidate Starts for Jabberwocky_11:
(Start: 7 @6945 has 97 MA's), (32, 7065), (50, 7104), (59, 7143), (78, 7206), (99, 7299), (106, 7326), (118, 7365), (166, 7494), (180, 7554), (196, 7623), (199, 7644), (203, 7662), (206, 7677), (207, 7683), (218, 7746), (248, 7806), (252, 7818), (260, 7857), (263, 7869), (266, 7878), (269, 7911), (273, 7923), (279, 7953), (286, 7998), (289, 8013), (290, 8016), (295, 8052), (304, 8100), (307, 8109), (312, 8136),

(345, 8313), (364, 8370), (367, 8376), (376, 8391), (385, 8412), (389, 8418), (412, 8454), (418, 8481),

Gene: JacAttac_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for JacAttac_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Jackstina_10 Start: 6231, Stop: 8135, Start Num: 22
Candidate Starts for Jackstina_10:
(Start: 22 @6231 has 397 MA's), (31, 6258), (63, 6339), (80, 6402), (92, 6468), (99, 6501), (129, 6609), (155, 6699), (178, 6777), (193, 6834), (201, 6888), (214, 6969), (219, 6990), (223, 7017), (242, 7068), (244, 7077), (247, 7086), (285, 7263), (287, 7275), (299, 7350), (304, 7374), (309, 7395), (330, 7479), (352, 7617), (358, 7635), (366, 7662), (379, 7686), (443, 7851), (447, 7860), (469, 7965), (470, 7974), (475, 8001), (493, 8091), (500, 8115), (505, 8127),

Gene: JaguarMi_10 Start: 6572, Stop: 8458, Start Num: 22
Candidate Starts for JaguarMi_10:
(Start: 22 @6572 has 397 MA's), (Start: 28 @6587 has 5 MA's), (62, 6668), (69, 6683), (80, 6734), (83, 6743), (91, 6794), (119, 6899), (134, 6959), (169, 7055), (190, 7133), (191, 7136), (193, 7145), (199, 7190), (214, 7280), (215, 7283), (235, 7361), (239, 7373), (247, 7400), (266, 7475), (278, 7535), (285, 7577), (287, 7589), (291, 7604), (304, 7688), (306, 7694), (311, 7721), (313, 7727), (316, 7736), (325, 7769), (433, 8138), (437, 8147), (438, 8150), (446, 8165), (458, 8213), (469, 8276), (470, 8285), (490, 8399), (503, 8444), (507, 8450),

Gene: JakeO_8 Start: 4440, Stop: 6359, Start Num: 22
Candidate Starts for JakeO_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: Jambalaya_12 Start: 5267, Stop: 6853, Start Num: 7
Candidate Starts for Jambalaya_12:
(Start: 7 @5267 has 97 MA's), (32, 5381), (85, 5549), (119, 5669), (125, 5687), (128, 5702), (182, 5852), (192, 5882), (201, 5942), (202, 5945), (210, 5984), (230, 6056), (252, 6116), (253, 6119), (254, 6122), (261, 6158), (263, 6167), (265, 6173), (266, 6176), (279, 6239), (286, 6284), (293, 6314), (299, 6362), (312, 6419), (318, 6440), (320, 6446), (325, 6467), (326, 6470), (331, 6497), (337, 6548), (345, 6596),

Gene: JangoPhett_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for JangoPhett_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Jayden_20 Start: 7979, Stop: 9697, Start Num: 13
Candidate Starts for Jayden_20:

(1, 7835), (Start: 13 @7979 has 37 MA's), (Start: 14 @7988 has 13 MA's), (40, 8084), (48, 8108), (79, 8213), (83, 8225), (100, 8324), (106, 8342), (120, 8396), (126, 8414), (136, 8465), (137, 8468), (148, 8507), (157, 8519), (162, 8537), (168, 8555), (169, 8564), (179, 8600), (193, 8663), (203, 8726), (208, 8753), (214, 8798), (252, 8900), (253, 8903), (266, 8960), (273, 8993), (281, 9032), (293, 9098), (294, 9107), (295, 9122), (299, 9146), (301, 9158), (314, 9212), (316, 9218), (321, 9248), (346, 9401), (357, 9437), (364, 9461), (365, 9464), (375, 9485), (383, 9506), (429, 9629), (432, 9641), (438, 9653), (447, 9680),

Gene: Jefe_20 Start: 8418, Stop: 10094, Start Num: 13
Candidate Starts for Jefe_20:
(Start: 13 @8418 has 37 MA's), (Start: 14 @8427 has 13 MA's), (Start: 46 @8541 has 2 MA's), (48, 8547), (79, 8652), (83, 8664), (102, 8769), (106, 8781), (120, 8835), (126, 8853), (137, 8907), (146, 8937), (162, 8976), (168, 8994), (169, 9003), (179, 9039), (193, 9102), (203, 9165), (208, 9192), (252, 9339), (253, 9342), (261, 9381), (266, 9399), (281, 9471), (293, 9537), (294, 9546), (307, 9618), (314, 9651), (316, 9657), (321, 9687), (325, 9702), (346, 9840), (350, 9855), (357, 9876), (358, 9879),

Gene: Jeon_6 Start: 3322, Stop: 5196, Start Num: 18
Candidate Starts for Jeon_6:
(Start: 18 @3322 has 7 MA's), (Start: 22 @3340 has 397 MA's), (Start: 46 @3397 has 2 MA's), (86, 3535), (91, 3565), (103, 3619), (134, 3730), (175, 3859), (191, 3916), (193, 3925), (199, 3970), (203, 3988), (216, 4066), (217, 4069), (247, 4153), (255, 4177), (259, 4201), (285, 4330), (287, 4342), (293, 4366), (299, 4417), (311, 4474), (315, 4486), (346, 4660), (366, 4729), (463, 4981), (490, 5122), (493, 5134), (508, 5176),

Gene: Jesabah_9 Start: 4553, Stop: 6361, Start Num: 64
Candidate Starts for Jesabah_9:
(Start: 22 @4442 has 397 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Jillium_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Jillium_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Jiminy_8 Start: 4440, Stop: 6359, Start Num: 22
Candidate Starts for Jiminy_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: Jiraiya_8 Start: 4551, Stop: 6359, Start Num: 64
Candidate Starts for Jiraiya_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373),

(284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: Jolie1_07 Start: 5208, Stop: 7124, Start Num: 22
Candidate Starts for Jolie1_07:
(Start: 22 @5208 has 397 MA's), (Start: 28 @5223 has 5 MA's), (Start: 64 @5310 has 5 MA's), (77, 5352), (79, 5367), (80, 5370), (82, 5379), (113, 5529), (134, 5610), (143, 5640), (163, 5688), (190, 5781), (191, 5784), (193, 5793), (199, 5838), (201, 5847), (214, 5928), (215, 5931), (219, 5949), (232, 6012), (239, 6030), (254, 6078), (266, 6132), (278, 6192), (285, 6234), (297, 6306), (299, 6321), (303, 6342), (311, 6378), (315, 6390), (325, 6426), (348, 6573), (354, 6594), (369, 6639), (395, 6705), (438, 6828), (455, 6867), (481, 7017), (482, 7020), (499, 7098),

Gene: Jollipop_20 Start: 8736, Stop: 10442, Start Num: 13
Candidate Starts for Jollipop_20:
(Start: 13 @8736 has 37 MA's), (Start: 14 @8745 has 13 MA's), (15, 8760), (Start: 46 @8859 has 2 MA's), (48, 8865), (79, 8970), (83, 8982), (100, 9081), (102, 9087), (106, 9099), (120, 9153), (126, 9171), (137, 9225), (146, 9255), (162, 9294), (168, 9312), (169, 9321), (179, 9357), (193, 9420), (203, 9483), (208, 9510), (214, 9555), (252, 9657), (253, 9660), (261, 9699), (266, 9717), (281, 9789), (293, 9855), (294, 9864), (299, 9903), (307, 9936), (314, 9969), (316, 9975), (321, 10005), (346, 10158), (350, 10173), (357, 10194), (358, 10197), (434, 10401), (438, 10410),

Gene: Jollymon_42 Start: 18192, Stop: 20150, Start Num: 20
Candidate Starts for Jollymon_42:
(Start: 20 @18192 has 4 MA's), (33, 18237), (51, 18288), (59, 18315), (107, 18504), (169, 18663), (193, 18756), (205, 18831), (217, 18900), (219, 18912), (220, 18918), (236, 19020), (246, 19053), (263, 19125), (264, 19128), (270, 19158), (279, 19197), (287, 19248), (294, 19281), (324, 19425), (325, 19428), (331, 19458), (346, 19566), (356, 19602), (359, 19611), (417, 19746), (454, 19860), (469, 19950), (498, 20103), (510, 20142),

Gene: KLucky39_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for KLucky39_8:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: KSunshine22_70 Start: 29151, Stop: 30725, Start Num: 45
Candidate Starts for KSunshine22_70:
(Start: 27 @29091 has 1 MA's), (45, 29151), (137, 29508), (191, 29697), (193, 29706), (238, 29910), (252, 29958), (288, 30138), (303, 30225), (319, 30291), (321, 30303), (368, 30534), (409, 30621), (440, 30714),

Gene: Kahve_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Kahve_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: KaiHaiDragon_20 Start: 8353, Stop: 10035, Start Num: 14
Candidate Starts for KaiHaiDragon_20:

(Start: 13 @8344 has 37 MA's), (Start: 14 @8353 has 13 MA's), (15, 8368), (Start: 46 @8467 has 2 MA's), (48, 8473), (79, 8578), (83, 8590), (100, 8689), (102, 8695), (106, 8707), (120, 8761), (126, 8779), (137, 8833), (146, 8863), (162, 8902), (168, 8920), (169, 8929), (179, 8965), (193, 9028), (203, 9091), (208, 9118), (252, 9265), (253, 9268), (261, 9307), (281, 9397), (293, 9463), (294, 9472), (307, 9544), (314, 9577), (316, 9583), (321, 9613), (325, 9628), (346, 9766), (350, 9781), (357, 9802), (358, 9805),

Gene: Kailash_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Kailash_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Kaleb_12 Start: 7845, Stop: 9734, Start Num: 22
Candidate Starts for Kaleb_12:
(Start: 22 @7845 has 397 MA's), (38, 7893), (Start: 46 @7917 has 2 MA's), (56, 7935), (Start: 70 @7968 has 2 MA's), (91, 8076), (110, 8160), (129, 8223), (138, 8259), (158, 8310), (165, 8322), (169, 8343), (191, 8421), (193, 8430), (199, 8475), (214, 8565), (215, 8568), (217, 8574), (219, 8586), (222, 8601), (223, 8613), (251, 8697), (258, 8730), (262, 8748), (273, 8793), (285, 8862), (287, 8874), (299, 8949), (304, 8973), (306, 8979), (311, 9006), (315, 9018), (317, 9024), (325, 9054), (326, 9057), (331, 9084), (339, 9150), (341, 9159), (358, 9234), (370, 9270), (395, 9315), (442, 9453), (443, 9456), (449, 9468), (467, 9555), (469, 9564), (470, 9573), (472, 9588), (478, 9618), (482, 9636), (485, 9651), (490, 9678), (493, 9690), (507, 9726),

Gene: Kamashten_13 Start: 7104, Stop: 8729, Start Num: 7
Candidate Starts for Kamashten_13:
(Start: 7 @7104 has 97 MA's), (50, 7263), (59, 7302), (78, 7365), (106, 7485), (118, 7524), (166, 7653), (180, 7713), (196, 7782), (199, 7803), (203, 7821), (206, 7836), (207, 7842), (218, 7905), (248, 7965), (252, 7977), (260, 8016), (263, 8028), (266, 8037), (269, 8070), (273, 8082), (279, 8112), (286, 8157), (289, 8172), (290, 8175), (295, 8211), (304, 8259), (307, 8268), (312, 8295), (345, 8472), (364, 8529), (367, 8535), (376, 8550), (385, 8571), (389, 8577), (412, 8613), (418, 8643),

Gene: Kamiyu_11 Start: 6309, Stop: 8213, Start Num: 22
Candidate Starts for Kamiyu_11:
(Start: 22 @6309 has 397 MA's), (31, 6336), (63, 6417), (80, 6480), (92, 6546), (99, 6579), (129, 6687), (155, 6777), (178, 6855), (193, 6912), (201, 6966), (214, 7047), (219, 7068), (223, 7095), (242, 7146), (244, 7155), (247, 7164), (285, 7341), (287, 7353), (299, 7428), (304, 7452), (309, 7473), (330, 7557), (352, 7695), (358, 7713), (366, 7740), (379, 7764), (443, 7929), (447, 7938), (469, 8043), (470, 8052), (475, 8079), (493, 8169), (500, 8193), (505, 8205),

Gene: KarasumaRum_11 Start: 6863, Stop: 8728, Start Num: 22
Candidate Starts for KarasumaRum_11:
(Start: 22 @6863 has 397 MA's), (Start: 28 @6878 has 5 MA's), (79, 7016), (128, 7214), (130, 7226), (132, 7235), (179, 7352), (181, 7367), (193, 7406), (215, 7544), (219, 7562), (270, 7760), (278, 7796), (285, 7838), (299, 7925), (304, 7949), (311, 7982), (315, 7994), (318, 8006), (325, 8030), (358, 8210), (363, 8228), (431, 8408), (438, 8429), (449, 8450), (468, 8552), (479, 8612), (507, 8720), (508, 8723),

Gene: Katniss_8 Start: 4553, Stop: 6361, Start Num: 64
Candidate Starts for Katniss_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212,

5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: KayaCho_7 Start: 5211, Stop: 7142, Start Num: 22
Candidate Starts for KayaCho_7:
(Start: 22 @5211 has 397 MA's), (Start: 28 @5226 has 5 MA's), (Start: 64 @5313 has 5 MA's), (79, 5370), (80, 5373), (113, 5532), (139, 5634), (143, 5643), (163, 5691), (191, 5787), (199, 5841), (201, 5850), (214, 5931), (215, 5934), (219, 5952), (232, 6015), (239, 6033), (254, 6081), (278, 6195), (285, 6237), (297, 6309), (299, 6324), (303, 6345), (311, 6381), (315, 6393), (325, 6429), (348, 6576), (369, 6642), (395, 6708), (438, 6846), (451, 6876), (455, 6885), (456, 6903), (481, 7035), (482, 7038), (499, 7116),

Gene: Keitabear_13 Start: 8156, Stop: 9778, Start Num: 7
Candidate Starts for Keitabear_13:
(Start: 7 @8156 has 97 MA's), (32, 8276), (50, 8315), (56, 8336), (59, 8354), (78, 8417), (99, 8510), (106, 8537), (118, 8576), (166, 8705), (180, 8765), (196, 8834), (199, 8855), (203, 8873), (206, 8888), (207, 8894), (218, 8957), (248, 9017), (252, 9029), (260, 9068), (263, 9080), (266, 9089), (269, 9122), (273, 9134), (279, 9164), (286, 9209), (289, 9224), (290, 9227), (295, 9263), (304, 9311), (307, 9320), (312, 9347), (345, 9524), (364, 9581), (367, 9587), (376, 9602), (385, 9623), (389, 9629), (412, 9665), (418, 9692),

Gene: Keitherie_8 Start: 4437, Stop: 6356, Start Num: 22
Candidate Starts for Keitherie_8:
(Start: 22 @4437 has 397 MA's), (Start: 28 @4452 has 5 MA's), (Start: 64 @4548 has 5 MA's), (72, 4563), (92, 4674), (127, 4806), (132, 4830), (134, 4836), (136, 4848), (140, 4860), (178, 4974), (192, 5025), (212, 5151), (213, 5154), (214, 5166), (217, 5175), (219, 5187), (232, 5250), (236, 5259), (247, 5295), (253, 5313), (256, 5322), (266, 5370), (284, 5466), (285, 5472), (293, 5508), (299, 5556), (304, 5580), (343, 5775), (366, 5868), (458, 6120), (482, 6255), (490, 6297), (493, 6309),

Gene: Kewpiedoll_13 Start: 6506, Stop: 8128, Start Num: 7
Candidate Starts for Kewpiedoll_13:
(Start: 7 @6506 has 97 MA's), (32, 6626), (50, 6665), (59, 6704), (78, 6767), (99, 6860), (106, 6887), (118, 6926), (166, 7055), (180, 7115), (196, 7184), (199, 7205), (203, 7223), (206, 7238), (207, 7244), (218, 7307), (248, 7367), (252, 7379), (260, 7418), (263, 7430), (266, 7439), (269, 7472), (273, 7484), (279, 7514), (286, 7559), (289, 7574), (290, 7577), (295, 7613), (304, 7661), (307, 7670), (312, 7697), (345, 7874), (364, 7931), (367, 7937), (376, 7952), (385, 7973), (389, 7979), (412, 8015), (418, 8042),

Gene: Khan1_8 Start: 4551, Stop: 6359, Start Num: 64
Candidate Starts for Khan1_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: Kheth_12 Start: 7728, Stop: 9617, Start Num: 22
Candidate Starts for Kheth_12:
(Start: 22 @7728 has 397 MA's), (38, 7776), (Start: 46 @7800 has 2 MA's), (56, 7818), (Start: 70 @7851 has 2 MA's), (91, 7959), (110, 8043), (129, 8106), (138, 8142), (158, 8193), (165, 8205), (169, 8226), (191, 8304), (193, 8313), (199, 8358), (214, 8448), (215, 8451), (217, 8457), (219, 8469), (222, 8484), (223, 8496), (251, 8580), (258, 8613), (262, 8631), (273, 8676), (285, 8745), (287, 8757), (299, 8832), (304, 8856), (306, 8862), (311, 8889), (315, 8901), (317, 8907), (325, 8937), (326, 8940), (331,

8967), (339, 9033), (341, 9042), (358, 9117), (370, 9153), (395, 9198), (442, 9336), (443, 9339), (449, 9351), (467, 9438), (469, 9447), (470, 9456), (472, 9471), (478, 9501), (482, 9519), (485, 9534), (490, 9561), (493, 9573), (507, 9609),

Gene: Kikipoo_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Kikipoo_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Kimbrough_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Kimbrough_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: KimmyK_12 Start: 5583, Stop: 7169, Start Num: 7
Candidate Starts for KimmyK_12:
(Start: 7 @5583 has 97 MA's), (79, 5835), (85, 5865), (118, 5982), (125, 6003), (128, 6018), (190, 6192), (198, 6234), (201, 6258), (202, 6261), (210, 6300), (230, 6372), (252, 6432), (253, 6435), (254, 6438), (261, 6474), (263, 6483), (265, 6489), (266, 6492), (279, 6555), (286, 6600), (293, 6630), (299, 6678), (312, 6735), (318, 6756), (325, 6783), (326, 6786), (331, 6813), (337, 6864), (345, 6912),

Gene: KingTut_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for KingTut_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: KingVeVeVe_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for KingVeVeVe_8:
(Start: 22 @4442 has 397 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: KingstonB_41 Start: 17700, Stop: 19658, Start Num: 20
Candidate Starts for KingstonB_41:
(Start: 20 @17700 has 4 MA's), (33, 17745), (51, 17796), (59, 17823), (107, 18012), (169, 18171), (193, 18264), (205, 18339), (217, 18408), (219, 18420), (220, 18426), (236, 18528), (246, 18561), (263, 18633), (264, 18636), (270, 18666), (279, 18705), (294, 18789), (324, 18933), (325, 18936), (331, 18966), (346, 19074), (356, 19110), (359, 19119), (417, 19254), (454, 19368), (464, 19437), (469, 19458), (498, 19611), (510, 19650),

Gene: KlimbOn_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for KlimbOn_8:

(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Kloppinator_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Kloppinator_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Knocker_14 Start: 9188, Stop: 11104, Start Num: 22
Candidate Starts for Knocker_14:
(Start: 22 @9188 has 397 MA's), (31, 9212), (56, 9269), (73, 9305), (82, 9356), (84, 9365), (90, 9398), (92, 9413), (101, 9461), (113, 9506), (124, 9542), (155, 9650), (164, 9668), (175, 9707), (193, 9773), (199, 9818), (204, 9839), (211, 9875), (214, 9908), (215, 9911), (219, 9929), (221, 9935), (232, 9983), (235, 9989), (236, 9992), (239, 10001), (244, 10019), (260, 10082), (261, 10085), (262, 10091), (280, 10169), (285, 10205), (286, 10211), (293, 10241), (299, 10289), (315, 10358), (341, 10499), (348, 10541), (367, 10604), (373, 10613), (381, 10631), (437, 10796), (447, 10817), (462, 10889), (468, 10922), (469, 10925), (470, 10934), (472, 10949), (474, 10958), (483, 11003), (484, 11006), (485, 11012), (487, 11027), (491, 11042), (493, 11051), (496, 11063), (499, 11075), (500, 11081),

Gene: Kolhan_12 Start: 7728, Stop: 9617, Start Num: 22
Candidate Starts for Kolhan_12:
(Start: 22 @7728 has 397 MA's), (38, 7776), (Start: 46 @7800 has 2 MA's), (56, 7818), (Start: 70 @7851 has 2 MA's), (91, 7959), (110, 8043), (129, 8106), (138, 8142), (158, 8193), (169, 8226), (191, 8304), (193, 8313), (199, 8358), (214, 8448), (215, 8451), (217, 8457), (219, 8469), (222, 8484), (223, 8496), (251, 8580), (258, 8613), (262, 8631), (273, 8676), (285, 8745), (287, 8757), (299, 8832), (304, 8856), (306, 8862), (311, 8889), (315, 8901), (317, 8907), (325, 8937), (326, 8940), (331, 8967), (339, 9033), (341, 9042), (358, 9117), (370, 9153), (395, 9198), (442, 9336), (443, 9339), (449, 9351), (467, 9438), (469, 9447), (470, 9456), (472, 9471), (478, 9501), (482, 9519), (485, 9534), (490, 9561), (493, 9573), (507, 9609),

Gene: Kowalski_19 Start: 8475, Stop: 10151, Start Num: 13
Candidate Starts for Kowalski_19:
(Start: 13 @8475 has 37 MA's), (Start: 14 @8484 has 13 MA's), (Start: 46 @8598 has 2 MA's), (48, 8604), (79, 8709), (83, 8721), (100, 8820), (102, 8826), (106, 8838), (120, 8892), (126, 8910), (137, 8964), (146, 8994), (162, 9033), (168, 9051), (169, 9060), (179, 9096), (193, 9159), (203, 9222), (208, 9249), (252, 9396), (253, 9399), (261, 9438), (266, 9456), (281, 9528), (293, 9594), (294, 9603), (307, 9675), (314, 9708), (316, 9714), (321, 9744), (325, 9759), (346, 9897), (350, 9912), (357, 9933), (358, 9936),

Gene: Kozie_14 Start: 7119, Stop: 8849, Start Num: 14
Candidate Starts for Kozie_14:
(Start: 13 @7110 has 37 MA's), (Start: 14 @7119 has 13 MA's), (36, 7200), (61, 7275), (79, 7341), (83, 7353), (84, 7362), (87, 7380), (100, 7452), (120, 7524), (128, 7554), (136, 7593), (137, 7596), (151, 7650), (157, 7677), (162, 7695), (166, 7704), (168, 7713), (169, 7722), (176, 7746), (184, 7779), (189, 7800), (191, 7806), (208, 7905), (214, 7950), (252, 8052), (266, 8112), (268, 8127), (281, 8184), (294, 8259), (299, 8298), (316, 8370), (318, 8379), (351, 8574), (357, 8592), (358, 8595), (376, 8643), (385, 8664), (397, 8688), (402, 8694), (410, 8712), (432, 8805),

Gene: Kronus_10 Start: 6924, Stop: 8825, Start Num: 22
Candidate Starts for Kronus_10:
(Start: 22 @6924 has 397 MA's), (31, 6951), (63, 7032), (80, 7095), (92, 7161), (99, 7194), (129, 7302), (155, 7392), (178, 7470), (193, 7527), (201, 7581), (214, 7662), (219, 7683), (223, 7710), (242, 7761), (244, 7770), (247, 7779), (285, 7956), (287, 7968), (299, 8043), (304, 8067), (309, 8088), (330, 8172), (352, 8310), (358, 8328), (366, 8355), (379, 8379), (443, 8541), (447, 8550), (469, 8655), (470, 8664), (475, 8691), (482, 8727), (493, 8781), (494, 8784), (500, 8805), (505, 8817),

Gene: Kroos_12 Start: 6436, Stop: 8064, Start Num: 7
Candidate Starts for Kroos_12:
(Start: 7 @6436 has 97 MA's), (32, 6559), (41, 6580), (59, 6637), (78, 6700), (84, 6730), (99, 6793), (106, 6820), (119, 6862), (166, 6988), (188, 7075), (195, 7114), (199, 7138), (203, 7156), (206, 7171), (207, 7177), (218, 7240), (252, 7312), (260, 7351), (273, 7417), (279, 7447), (286, 7492), (289, 7507), (290, 7510), (295, 7546), (304, 7594), (307, 7603), (312, 7630), (320, 7657), (330, 7702), (337, 7759), (340, 7777), (345, 7807), (349, 7825), (364, 7864), (367, 7870), (376, 7885), (385, 7906), (389, 7912), (412, 7948), (419, 7981),

Gene: Kwadwo_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Kwadwo_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Kwekel_13 Start: 5795, Stop: 7471, Start Num: 7
Candidate Starts for Kwekel_13:
(Start: 7 @5795 has 97 MA's), (26, 5906), (34, 5933), (43, 5963), (78, 6092), (84, 6122), (102, 6200), (130, 6299), (162, 6371), (166, 6380), (170, 6401), (180, 6440), (199, 6530), (203, 6548), (206, 6563), (207, 6569), (230, 6644), (252, 6704), (253, 6707), (266, 6764), (279, 6839), (286, 6884), (294, 6923), (299, 6962), (304, 6986), (309, 7007), (312, 7022), (316, 7034), (326, 7073), (345, 7199), (353, 7229), (400, 7334),

Gene: Kwksand96_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Kwksand96_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Kwobi_12 Start: 6275, Stop: 7903, Start Num: 7
Candidate Starts for Kwobi_12:
(Start: 7 @6275 has 97 MA's), (32, 6398), (41, 6419), (59, 6476), (78, 6539), (84, 6569), (99, 6632), (106, 6659), (166, 6827), (188, 6914), (195, 6953), (199, 6977), (203, 6995), (206, 7010), (207, 7016), (218, 7079), (252, 7151), (260, 7190), (273, 7256), (279, 7286), (286, 7331), (289, 7346), (290, 7349), (295, 7385), (304, 7433), (307, 7442), (312, 7469), (320, 7496), (330, 7541), (340, 7616), (345, 7646), (349, 7664), (364, 7703), (367, 7709), (376, 7724), (385, 7745), (389, 7751), (412, 7787), (419, 7820),

Gene: Labeouficaum_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Labeouficaum_8:

(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Lambano_8 Start: 5643, Stop: 7532, Start Num: 22
Candidate Starts for Lambano_8:
(Start: 22 @5643 has 397 MA's), (62, 5739), (69, 5754), (80, 5805), (83, 5814), (91, 5865), (93, 5874), (119, 5970), (134, 6030), (169, 6126), (191, 6207), (199, 6261), (214, 6351), (215, 6354), (235, 6432), (239, 6444), (266, 6546), (278, 6606), (285, 6648), (287, 6660), (299, 6735), (304, 6759), (306, 6765), (311, 6792), (313, 6798), (325, 6840), (331, 6870), (433, 7212), (437, 7221), (438, 7224), (456, 7281), (468, 7347), (469, 7350), (470, 7359), (490, 7473), (503, 7518), (507, 7524),

Gene: Lars_12 Start: 7845, Stop: 9734, Start Num: 22
Candidate Starts for Lars_12:
(Start: 22 @7845 has 397 MA's), (38, 7893), (Start: 46 @7917 has 2 MA's), (56, 7935), (Start: 70 @7968 has 2 MA's), (91, 8076), (110, 8160), (129, 8223), (138, 8259), (158, 8310), (165, 8322), (169, 8343), (191, 8421), (193, 8430), (199, 8475), (214, 8565), (215, 8568), (217, 8574), (219, 8586), (222, 8601), (223, 8613), (251, 8697), (258, 8730), (262, 8748), (273, 8793), (285, 8862), (287, 8874), (299, 8949), (304, 8973), (306, 8979), (311, 9006), (315, 9018), (317, 9024), (325, 9054), (326, 9057), (331, 9084), (339, 9150), (341, 9159), (358, 9234), (370, 9270), (395, 9315), (442, 9453), (443, 9456), (449, 9468), (467, 9555), (469, 9564), (470, 9573), (472, 9588), (478, 9618), (482, 9636), (485, 9651), (490, 9678), (493, 9690), (507, 9726),

Gene: LasagnaCat_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for LasagnaCat_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Lasso_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Lasso_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Laurie_12 Start: 7729, Stop: 9618, Start Num: 22
Candidate Starts for Laurie_12:
(Start: 22 @7729 has 397 MA's), (38, 7777), (Start: 46 @7801 has 2 MA's), (56, 7819), (Start: 70 @7852 has 2 MA's), (91, 7960), (127, 8095), (129, 8107), (138, 8143), (158, 8194), (191, 8305), (193, 8314), (199, 8359), (214, 8449), (215, 8452), (217, 8458), (219, 8470), (222, 8485), (223, 8497), (251, 8581), (258, 8614), (262, 8632), (273, 8677), (285, 8746), (287, 8758), (299, 8833), (304, 8857), (306, 8863), (311, 8890), (315, 8902), (317, 8908), (325, 8938), (326, 8941), (331, 8968), (339, 9034), (341, 9043), (358, 9118), (370, 9154), (395, 9199), (442, 9337), (443, 9340), (449, 9352), (467, 9439), (469, 9448), (470, 9457), (472, 9472), (478, 9502), (482, 9520), (485, 9535), (490, 9562), (493, 9574), (507, 9610),

Gene: LeeLot_8 Start: 4441, Stop: 6360, Start Num: 22

Candidate Starts for LeeLot_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Lego3393_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Lego3393_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Legolas_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Legolas_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: LeiMonet_8 Start: 4548, Stop: 6356, Start Num: 64
Candidate Starts for LeiMonet_8:
(Start: 22 @4437 has 397 MA's), (Start: 64 @4548 has 5 MA's), (72, 4563), (92, 4674), (127, 4806), (132, 4830), (134, 4836), (136, 4848), (140, 4860), (192, 5025), (212, 5151), (213, 5154), (214, 5166), (217, 5175), (219, 5187), (232, 5250), (236, 5259), (247, 5295), (253, 5313), (256, 5322), (266, 5370), (284, 5466), (285, 5472), (293, 5508), (299, 5556), (304, 5580), (343, 5775), (366, 5868), (458, 6120), (482, 6255), (490, 6297), (493, 6309),

Gene: LemonSlice_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for LemonSlice_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Lennon_13 Start: 7365, Stop: 8987, Start Num: 7
Candidate Starts for Lennon_13:
(Start: 7 @7365 has 97 MA's), (50, 7524), (59, 7563), (78, 7626), (106, 7746), (118, 7785), (162, 7905), (166, 7914), (180, 7974), (196, 8043), (199, 8064), (203, 8082), (206, 8097), (207, 8103), (218, 8166), (248, 8226), (252, 8238), (260, 8277), (263, 8289), (266, 8298), (269, 8331), (273, 8343), (279, 8373), (286, 8418), (289, 8433), (290, 8436), (295, 8472), (304, 8520), (307, 8529), (312, 8556), (345, 8733), (364, 8790), (367, 8796), (376, 8811), (385, 8832), (389, 8838), (412, 8874), (418, 8901),

Gene: LeoJr_75 Start: 31198, Stop: 32826, Start Num: 27
Candidate Starts for LeoJr_75:
(Start: 27 @31198 has 1 MA's), (90, 31438), (137, 31615), (193, 31813), (221, 31975), (238, 32017), (241, 32029), (252, 32065), (288, 32245), (303, 32332), (321, 32410), (368, 32641), (409, 32728), (426, 32776), (440, 32815),

Gene: Leonard_13 Start: 7073, Stop: 8707, Start Num: 7
Candidate Starts for Leonard_13:
(Start: 7 @7073 has 97 MA's), (10, 7100), (12, 7109), (17, 7145), (Start: 27 @7187 has 1 MA's), (34, 7211), (56, 7268), (66, 7301), (78, 7346), (84, 7376), (85, 7385), (90, 7409), (92, 7424), (118, 7505), (132, 7562), (161, 7622), (166, 7634), (169, 7652), (180, 7694), (199, 7784), (203, 7802), (206, 7817), (207, 7823), (216, 7877), (230, 7898), (252, 7958), (253, 7961), (266, 8018), (267, 8042), (279, 8093), (286, 8138), (290, 8156), (294, 8177), (304, 8240), (309, 8261), (312, 8276), (326, 8327), (342, 8432), (345, 8453), (353, 8483), (362, 8501), (389, 8567), (400, 8588), (419, 8642),

Gene: Lephleur_12 Start: 7728, Stop: 9617, Start Num: 22
Candidate Starts for Lephleur_12:
(Start: 22 @7728 has 397 MA's), (38, 7776), (Start: 46 @7800 has 2 MA's), (56, 7818), (Start: 70 @7851 has 2 MA's), (91, 7959), (110, 8043), (129, 8106), (138, 8142), (158, 8193), (165, 8205), (169, 8226), (191, 8304), (193, 8313), (199, 8358), (214, 8448), (215, 8451), (217, 8457), (219, 8469), (222, 8484), (223, 8496), (251, 8580), (258, 8613), (262, 8631), (273, 8676), (285, 8745), (287, 8757), (299, 8832), (304, 8856), (306, 8862), (311, 8889), (315, 8901), (317, 8907), (325, 8937), (326, 8940), (331, 8967), (339, 9033), (341, 9042), (358, 9117), (370, 9153), (395, 9198), (442, 9336), (443, 9339), (449, 9351), (467, 9438), (469, 9447), (470, 9456), (472, 9471), (478, 9501), (482, 9519), (485, 9534), (490, 9561), (493, 9573), (507, 9609),

Gene: LestyG_11 Start: 6318, Stop: 8222, Start Num: 22
Candidate Starts for LestyG_11:
(Start: 22 @6318 has 397 MA's), (31, 6345), (63, 6426), (80, 6489), (92, 6555), (99, 6588), (129, 6696), (155, 6786), (178, 6864), (193, 6921), (201, 6975), (214, 7056), (219, 7077), (223, 7104), (242, 7155), (244, 7164), (247, 7173), (285, 7350), (287, 7362), (299, 7437), (304, 7461), (309, 7482), (330, 7566), (352, 7704), (358, 7722), (366, 7749), (379, 7773), (443, 7938), (447, 7947), (469, 8052), (470, 8061), (475, 8088), (482, 8124), (493, 8178), (494, 8181), (500, 8202), (505, 8214),

Gene: Ligma_8 Start: 5351, Stop: 7141, Start Num: 39
Candidate Starts for Ligma_8:
(Start: 22 @5303 has 397 MA's), (Start: 39 @5351 has 2 MA's), (Start: 70 @5417 has 2 MA's), (79, 5459), (106, 5591), (129, 5654), (134, 5672), (191, 5825), (193, 5834), (199, 5879), (206, 5912), (214, 5969), (215, 5972), (219, 5990), (224, 6023), (231, 6050), (262, 6161), (266, 6173), (268, 6188), (285, 6275), (287, 6287), (299, 6362), (304, 6386), (312, 6422), (314, 6428), (315, 6431), (316, 6434), (325, 6467), (446, 6866), (447, 6869), (449, 6872), (463, 6941), (464, 6947), (469, 6968), (475, 7004), (484, 7049), (487, 7070), (493, 7094), (496, 7106), (500, 7118), (502, 7121),

Gene: LilHam_10 Start: 5591, Stop: 7219, Start Num: 7
Candidate Starts for LilHam_10:
(Start: 7 @5591 has 97 MA's), (32, 5714), (41, 5735), (59, 5792), (78, 5855), (84, 5885), (99, 5948), (106, 5975), (166, 6143), (188, 6230), (195, 6269), (199, 6293), (203, 6311), (206, 6326), (207, 6332), (218, 6395), (252, 6467), (260, 6506), (273, 6572), (279, 6602), (286, 6647), (289, 6662), (290, 6665), (295, 6701), (304, 6749), (307, 6758), (312, 6785), (320, 6812), (330, 6857), (340, 6932), (345, 6962), (349, 6980), (364, 7019), (367, 7025), (376, 7040), (385, 7061), (389, 7067), (412, 7103), (419, 7136),

Gene: LilMcDreamy_10 Start: 7470, Stop: 9329, Start Num: 22
Candidate Starts for LilMcDreamy_10:
(Start: 22 @7470 has 397 MA's), (79, 7614), (94, 7689), (99, 7713), (134, 7839), (179, 7950), (185, 7977), (193, 8004), (199, 8049), (206, 8082), (219, 8160), (232, 8214), (235, 8220), (266, 8334), (271, 8361), (285, 8436), (287, 8448), (299, 8523), (304, 8547), (311, 8580), (325, 8628), (352, 8790), (358, 8808), (363, 8826), (381, 8859), (439, 9033), (446, 9045), (456, 9087), (468, 9153), (474, 9189), (490, 9270),

Gene: LilSmirk_12 Start: 7728, Stop: 9617, Start Num: 22
Candidate Starts for LilSmirk_12:
(Start: 22 @7728 has 397 MA's), (38, 7776), (Start: 46 @7800 has 2 MA's), (56, 7818), (Start: 70 @7851 has 2 MA's), (91, 7959), (110, 8043), (129, 8106), (138, 8142), (158, 8193), (165, 8205), (169, 8226), (191, 8304), (193, 8313), (199, 8358), (214, 8448), (215, 8451), (217, 8457), (219, 8469), (222, 8484), (223, 8496), (251, 8580), (258, 8613), (262, 8631), (273, 8676), (285, 8745), (287, 8757), (299, 8832), (304, 8856), (306, 8862), (311, 8889), (315, 8901), (317, 8907), (325, 8937), (326, 8940), (331, 8967), (339, 9033), (341, 9042), (358, 9117), (370, 9153), (395, 9198), (442, 9336), (443, 9339), (449, 9351), (467, 9438), (469, 9447), (470, 9456), (472, 9471), (478, 9501), (482, 9519), (485, 9534), (490, 9561), (493, 9573), (507, 9609),

Gene: Lilbeanie_13 Start: 5278, Stop: 6954, Start Num: 4
Candidate Starts for Lilbeanie_13:
(Start: 4 @5278 has 1 MA's), (Start: 19 @5377 has 1 MA's), (36, 5437), (55, 5512), (56, 5515), (78, 5593), (118, 5752), (126, 5776), (133, 5812), (180, 5935), (182, 5944), (210, 6076), (230, 6148), (252, 6208), (253, 6211), (256, 6220), (266, 6268), (269, 6292), (270, 6295), (279, 6334), (293, 6409), (299, 6457), (311, 6514), (317, 6532), (326, 6568), (336, 6643), (339, 6661), (416, 6853),

Gene: LittleFortune_21 Start: 8692, Stop: 10398, Start Num: 13
Candidate Starts for LittleFortune_21:
(Start: 13 @8692 has 37 MA's), (Start: 14 @8701 has 13 MA's), (15, 8716), (Start: 46 @8815 has 2 MA's), (48, 8821), (79, 8926), (83, 8938), (100, 9037), (102, 9043), (120, 9109), (126, 9127), (137, 9181), (146, 9211), (162, 9250), (168, 9268), (169, 9277), (179, 9313), (193, 9376), (203, 9439), (208, 9466), (214, 9511), (252, 9613), (253, 9616), (261, 9655), (266, 9673), (281, 9745), (293, 9811), (294, 9820), (299, 9859), (307, 9892), (314, 9925), (316, 9931), (321, 9961), (346, 10114), (350, 10129), (357, 10150), (358, 10153), (434, 10357), (438, 10366),

Gene: LittleMunchkin_9 Start: 6586, Stop: 8433, Start Num: 22
Candidate Starts for LittleMunchkin_9:
(Start: 22 @6586 has 397 MA's), (Start: 70 @6700 has 2 MA's), (79, 6742), (106, 6874), (128, 6928), (129, 6937), (193, 7120), (206, 7198), (214, 7255), (215, 7258), (219, 7276), (225, 7321), (262, 7459), (266, 7471), (268, 7486), (277, 7522), (285, 7573), (299, 7660), (312, 7720), (358, 7942), (442, 8149), (443, 8152), (446, 8158), (447, 8161), (463, 8233), (464, 8239), (469, 8260), (472, 8284), (484, 8341), (487, 8362), (489, 8371), (500, 8410), (502, 8413),

Gene: LizLemon_12 Start: 7845, Stop: 9734, Start Num: 22
Candidate Starts for LizLemon_12:
(Start: 22 @7845 has 397 MA's), (38, 7893), (Start: 46 @7917 has 2 MA's), (56, 7935), (Start: 70 @7968 has 2 MA's), (91, 8076), (110, 8160), (129, 8223), (138, 8259), (158, 8310), (165, 8322), (169, 8343), (191, 8421), (193, 8430), (199, 8475), (214, 8565), (215, 8568), (217, 8574), (219, 8586), (222, 8601), (223, 8613), (251, 8697), (258, 8730), (262, 8748), (273, 8793), (285, 8862), (287, 8874), (299, 8949), (304, 8973), (306, 8979), (311, 9006), (315, 9018), (317, 9024), (325, 9054), (326, 9057), (331, 9084), (339, 9150), (341, 9159), (358, 9234), (370, 9270), (395, 9315), (442, 9453), (443, 9456), (449, 9468), (467, 9555), (469, 9564), (470, 9573), (472, 9588), (478, 9618), (482, 9636), (485, 9651), (490, 9678), (493, 9690), (507, 9726),

Gene: Lolalove_9 Start: 6745, Stop: 8634, Start Num: 22
Candidate Starts for Lolalove_9:
(Start: 22 @6745 has 397 MA's), (Start: 28 @6760 has 5 MA's), (62, 6841), (69, 6856), (80, 6907), (83, 6916), (91, 6967), (119, 7072), (134, 7132), (169, 7228), (190, 7306), (191, 7309), (193, 7318), (199, 7363), (214, 7453), (215, 7456), (235, 7534), (239, 7546), (266, 7648), (278, 7708), (285, 7750), (287, 7762), (299, 7837), (304, 7861), (306, 7867), (311, 7894), (313, 7900), (316, 7909), (325, 7942), (331, 7972), (433, 8314), (437, 8323), (438, 8326), (458, 8389), (468, 8449), (469, 8452), (470, 8461), (490,

8575), (496, 8599), (507, 8626),

Gene: Longacauda_8 Start: 4440, Stop: 6359, Start Num: 22
Candidate Starts for Longacauda_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: Lopsy_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Lopsy_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: LostAndPhound_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for LostAndPhound_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Love_14 Start: 7094, Stop: 8716, Start Num: 7
Candidate Starts for Love_14:
(Start: 7 @7094 has 97 MA's), (32, 7214), (50, 7253), (59, 7292), (78, 7355), (99, 7448), (106, 7475), (118, 7514), (162, 7634), (166, 7643), (180, 7703), (196, 7772), (199, 7793), (203, 7811), (206, 7826), (207, 7832), (218, 7895), (248, 7955), (252, 7967), (260, 8006), (263, 8018), (266, 8027), (273, 8072), (279, 8102), (286, 8147), (289, 8162), (290, 8165), (295, 8201), (304, 8249), (307, 8258), (312, 8285), (345, 8462), (364, 8519), (367, 8525), (376, 8540), (385, 8561), (389, 8567), (412, 8603), (418, 8630),

Gene: LuckyMarjie_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for LuckyMarjie_8:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Lulumae_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Lulumae_8:
(Start: 22 @4442 has 397 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Lulwa_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Lulwa_8:

(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Lumine_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Lumine_8:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: MRabcd_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for MRabcd_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Mag7_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Mag7_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Magic8_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Magic8_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Magpie_9 Start: 6903, Stop: 8792, Start Num: 22
Candidate Starts for Magpie_9:
(Start: 22 @6903 has 397 MA's), (Start: 28 @6918 has 5 MA's), (62, 6999), (69, 7014), (80, 7065), (83, 7074), (91, 7125), (119, 7230), (134, 7290), (169, 7386), (190, 7464), (191, 7467), (193, 7476), (199, 7521), (214, 7611), (215, 7614), (235, 7692), (239, 7704), (266, 7806), (278, 7866), (285, 7908), (287, 7920), (304, 8019), (306, 8025), (311, 8052), (313, 8058), (316, 8067), (325, 8100), (331, 8130), (433, 8472), (437, 8481), (455, 8523), (458, 8547), (468, 8607), (469, 8610), (470, 8619), (490, 8733), (503, 8778), (507, 8784),

Gene: MakoManhole_10 Start: 6780, Stop: 8627, Start Num: 22
Candidate Starts for MakoManhole_10:
(Start: 22 @6780 has 397 MA's), (Start: 70 @6894 has 2 MA's), (79, 6936), (91, 6999), (104, 7065), (138, 7170), (186, 7293), (187, 7299), (191, 7308), (193, 7317), (215, 7455), (219, 7473), (253, 7614), (258, 7641), (262, 7659), (266, 7671), (277, 7722), (285, 7773), (299, 7860), (315, 7929), (358, 8142), (387, 8202), (392, 8211), (446, 8352), (447, 8355), (463, 8427), (464, 8433), (469, 8454), (479, 8511),

(487, 8556), (490, 8568), (493, 8580), (496, 8592), (500, 8604), (502, 8607),

Gene: Mana_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Mana_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Manad_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Manad_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Mao1_6 Start: 4087, Stop: 6054, Start Num: 18
Candidate Starts for Mao1_6:
(Start: 18 @4087 has 7 MA's), (Start: 22 @4105 has 397 MA's), (49, 4183), (63, 4231), (91, 4354), (116, 4450), (119, 4459), (131, 4510), (166, 4609), (175, 4654), (191, 4714), (193, 4723), (199, 4768), (204, 4789), (213, 4846), (216, 4864), (234, 4945), (240, 4966), (245, 4978), (247, 4987), (251, 4999), (262, 5050), (263, 5053), (270, 5086), (285, 5164), (287, 5176), (293, 5200), (303, 5272), (304, 5275), (325, 5356), (340, 5455), (345, 5485), (358, 5536), (442, 5770), (461, 5836), (462, 5845), (469, 5881), (472, 5905), (487, 5983), (490, 5995), (507, 6046), (508, 6049),

Gene: Mareelih_76 Start: 30803, Stop: 32533, Start Num: 23
Candidate Starts for Mareelih_76:
(Start: 23 @30803 has 5 MA's), (50, 30881), (67, 30935), (74, 30947), (90, 31034), (92, 31049), (115, 31139), (135, 31214), (156, 31304), (197, 31499), (199, 31517), (200, 31520), (203, 31535), (206, 31550), (209, 31565), (212, 31592), (220, 31631), (272, 31802), (279, 31835), (287, 31886), (291, 31901), (293, 31910), (305, 31985), (306, 31988), (310, 32012), (351, 32237), (356, 32252), (365, 32282), (380, 32330), (388, 32345), (390, 32351),

Gene: Margaery_12 Start: 5952, Stop: 7694, Start Num: 14
Candidate Starts for Margaery_12:
(Start: 13 @5943 has 37 MA's), (Start: 14 @5952 has 13 MA's), (32, 6021), (36, 6033), (56, 6090), (61, 6105), (79, 6168), (83, 6180), (84, 6189), (87, 6207), (100, 6279), (128, 6381), (137, 6423), (151, 6474), (157, 6501), (159, 6507), (162, 6519), (166, 6528), (175, 6567), (176, 6570), (184, 6606), (189, 6627), (191, 6633), (193, 6642), (203, 6705), (208, 6732), (214, 6777), (252, 6879), (263, 6930), (273, 6972), (281, 7011), (293, 7077), (294, 7086), (297, 7110), (298, 7122), (299, 7125), (316, 7197), (325, 7242), (328, 7257), (357, 7419), (376, 7470), (385, 7491), (407, 7536), (420, 7590),

Gene: Mariokart_8 Start: 5358, Stop: 7151, Start Num: 39
Candidate Starts for Mariokart_8:
(Start: 22 @5310 has 397 MA's), (Start: 39 @5358 has 2 MA's), (Start: 70 @5424 has 2 MA's), (79, 5466), (92, 5535), (129, 5661), (134, 5679), (171, 5760), (191, 5832), (199, 5886), (206, 5919), (214, 5976), (215, 5979), (219, 5997), (225, 6042), (231, 6063), (262, 6174), (266, 6186), (268, 6201), (277, 6237), (285, 6288), (287, 6300), (299, 6375), (304, 6399), (312, 6435), (315, 6444), (325, 6480), (329, 6501), (442, 6867), (446, 6876), (447, 6879), (463, 6951), (464, 6957), (469, 6978), (470, 6987), (484, 7059), (490, 7092), (493, 7104), (496, 7116), (500, 7128), (502, 7131),

Gene: Marley1013_11 Start: 7104, Stop: 9008, Start Num: 22
Candidate Starts for Marley1013_11:
(Start: 22 @7104 has 397 MA's), (31, 7131), (63, 7212), (80, 7275), (92, 7341), (99, 7374), (129, 7482), (155, 7572), (178, 7650), (193, 7707), (201, 7761), (214, 7842), (219, 7863), (223, 7890), (242, 7941), (244, 7950), (247, 7959), (285, 8136), (287, 8148), (299, 8223), (304, 8247), (309, 8268), (330, 8352), (352, 8490), (358, 8508), (366, 8535), (379, 8559), (443, 8724), (447, 8733), (469, 8838), (470, 8847), (475, 8874), (493, 8964), (494, 8967), (500, 8988), (505, 9000),

Gene: Maru_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Maru_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Mask_7 Start: 4088, Stop: 6055, Start Num: 18
Candidate Starts for Mask_7:
(Start: 18 @4088 has 7 MA's), (Start: 22 @4106 has 397 MA's), (49, 4184), (63, 4232), (91, 4355), (116, 4451), (119, 4460), (131, 4511), (166, 4610), (175, 4655), (191, 4715), (193, 4724), (199, 4769), (204, 4790), (213, 4847), (216, 4865), (234, 4946), (240, 4967), (245, 4979), (247, 4988), (251, 5000), (262, 5051), (263, 5054), (270, 5087), (285, 5165), (287, 5177), (293, 5201), (303, 5273), (304, 5276), (325, 5357), (340, 5456), (345, 5486), (358, 5537), (442, 5771), (461, 5837), (462, 5846), (469, 5882), (472, 5906), (487, 5984), (490, 5996), (507, 6047), (508, 6050),

Gene: Maskar_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Maskar_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: MasterPo_12 Start: 7728, Stop: 9617, Start Num: 22
Candidate Starts for MasterPo_12:
(Start: 22 @7728 has 397 MA's), (38, 7776), (Start: 46 @7800 has 2 MA's), (56, 7818), (Start: 70 @7851 has 2 MA's), (91, 7959), (110, 8043), (129, 8106), (138, 8142), (158, 8193), (165, 8205), (169, 8226), (191, 8304), (193, 8313), (199, 8358), (214, 8448), (215, 8451), (217, 8457), (219, 8469), (222, 8484), (223, 8496), (251, 8580), (258, 8613), (262, 8631), (273, 8676), (285, 8745), (287, 8757), (299, 8832), (304, 8856), (306, 8862), (311, 8889), (315, 8901), (317, 8907), (325, 8937), (326, 8940), (331, 8967), (339, 9033), (341, 9042), (358, 9117), (370, 9153), (395, 9198), (442, 9336), (443, 9339), (449, 9351), (467, 9438), (469, 9447), (470, 9456), (472, 9471), (478, 9501), (482, 9519), (485, 9534), (490, 9561), (493, 9573), (507, 9609),

Gene: Matalotodo_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Matalotodo_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Matzah_13 Start: 6000, Stop: 7757, Start Num: 14

Candidate Starts for Matzah_13:
(Start: 13 @5991 has 37 MA's), (Start: 14 @6000 has 13 MA's), (36, 6084), (48, 6120), (56, 6153), (79, 6231), (83, 6243), (84, 6252), (86, 6264), (87, 6270), (100, 6342), (102, 6348), (128, 6444), (137, 6486), (145, 6516), (152, 6546), (162, 6582), (166, 6591), (168, 6600), (169, 6609), (189, 6690), (191, 6696), (193, 6705), (203, 6768), (208, 6795), (214, 6840), (237, 6891), (252, 6942), (266, 7002), (268, 7017), (281, 7074), (294, 7149), (297, 7173), (315, 7257), (316, 7260), (325, 7305), (331, 7335), (336, 7383), (351, 7464), (357, 7482), (358, 7485), (385, 7554), (397, 7578), (436, 7713), (445, 7737),

Gene: McKinley_13 Start: 7453, Stop: 9075, Start Num: 7
Candidate Starts for McKinley_13:
(Start: 7 @7453 has 97 MA's), (32, 7573), (50, 7612), (59, 7651), (78, 7714), (99, 7807), (106, 7834), (118, 7873), (166, 8002), (180, 8062), (196, 8131), (199, 8152), (203, 8170), (206, 8185), (207, 8191), (218, 8254), (248, 8314), (252, 8326), (260, 8365), (263, 8377), (266, 8386), (273, 8431), (279, 8461), (286, 8506), (289, 8521), (290, 8524), (295, 8560), (304, 8608), (307, 8617), (312, 8644), (339, 8788), (345, 8821), (364, 8878), (367, 8884), (376, 8899), (385, 8920), (389, 8926), (412, 8962), (418, 8989),

Gene: Mcshane_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Mcshane_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Mecca_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Mecca_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Megabear_6 Start: 3328, Stop: 5202, Start Num: 18
Candidate Starts for Megabear_6:
(Start: 18 @3328 has 7 MA's), (Start: 22 @3346 has 397 MA's), (Start: 46 @3403 has 2 MA's), (86, 3541), (91, 3571), (103, 3625), (134, 3736), (175, 3865), (191, 3922), (193, 3931), (199, 3976), (203, 3994), (216, 4072), (217, 4075), (247, 4159), (255, 4183), (259, 4207), (285, 4336), (287, 4348), (293, 4372), (299, 4423), (311, 4480), (315, 4492), (346, 4666), (366, 4735), (463, 4987), (490, 5128), (493, 5140), (508, 5182),

Gene: Megamind20_9 Start: 4457, Stop: 6361, Start Num: 28
Candidate Starts for Megamind20_9:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Megan_13 Start: 8673, Stop: 10412, Start Num: 13
Candidate Starts for Megan_13:
(9, 8646), (Start: 13 @8673 has 37 MA's), (Start: 14 @8682 has 13 MA's), (Start: 20 @8712 has 4 MA's), (45, 8790), (54, 8826), (79, 8910), (83, 8922), (90, 8964), (94, 8985), (106, 9039), (120, 9093), (121, 9096), (136, 9162), (162, 9225), (168, 9243), (169, 9252), (193, 9345), (203, 9408), (208, 9435),

(214, 9480), (222, 9513), (230, 9522), (231, 9525), (252, 9582), (253, 9585), (261, 9624), (263, 9633), (266, 9642), (273, 9675), (281, 9714), (293, 9780), (294, 9789), (297, 9813), (299, 9828), (316, 9900), (328, 9975), (331, 9990), (348, 10110), (349, 10116), (357, 10140), (358, 10143), (376, 10191), (402, 10242), (407, 10254), (415, 10290), (424, 10332), (444, 10395),

Gene: Megatron_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Megatron_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: MelBins_13 Start: 6850, Stop: 8484, Start Num: 7
Candidate Starts for MelBins_13:
(Start: 7 @6850 has 97 MA's), (10, 6877), (12, 6886), (17, 6922), (34, 6988), (56, 7045), (66, 7078), (78, 7123), (84, 7153), (85, 7162), (90, 7186), (92, 7201), (118, 7282), (132, 7339), (161, 7399), (166, 7411), (169, 7429), (180, 7471), (199, 7561), (203, 7579), (206, 7594), (207, 7600), (216, 7654), (230, 7675), (252, 7735), (253, 7738), (266, 7795), (267, 7819), (279, 7870), (286, 7915), (290, 7933), (294, 7954), (304, 8017), (309, 8038), (312, 8053), (326, 8104), (342, 8209), (345, 8230), (353, 8260), (362, 8278), (363, 8284), (377, 8320), (389, 8344), (391, 8350), (400, 8365), (419, 8419),

Gene: Melc17_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Melc17_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: MelsMeow_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for MelsMeow_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: MementoMori_13 Start: 5993, Stop: 7759, Start Num: 13
Candidate Starts for MementoMori_13:
(Start: 13 @5993 has 37 MA's), (Start: 14 @6002 has 13 MA's), (36, 6083), (48, 6119), (56, 6152), (79, 6230), (83, 6242), (84, 6251), (86, 6263), (87, 6269), (100, 6341), (102, 6347), (128, 6443), (137, 6485), (145, 6515), (151, 6536), (152, 6545), (162, 6581), (166, 6590), (168, 6599), (169, 6608), (189, 6689), (191, 6695), (193, 6704), (203, 6767), (208, 6794), (214, 6839), (237, 6890), (252, 6941), (266, 7001), (268, 7016), (281, 7073), (294, 7148), (297, 7172), (315, 7256), (316, 7259), (325, 7304), (331, 7334), (336, 7382), (351, 7463), (357, 7481), (358, 7484), (376, 7532), (385, 7553), (397, 7577), (402, 7583), (436, 7715), (445, 7739),

Gene: Merry_20 Start: 8465, Stop: 10132, Start Num: 14
Candidate Starts for Merry_20:
(2, 8363), (9, 8429), (Start: 13 @8456 has 37 MA's), (Start: 14 @8465 has 13 MA's), (40, 8561), (48, 8585), (79, 8690), (83, 8702), (100, 8801), (120, 8873), (126, 8891), (142, 8966), (145, 8972), (162, 9011), (167, 9023), (169, 9038), (175, 9062), (179, 9074), (184, 9101), (191, 9128), (193, 9137), (208,

9227), (214, 9272), (252, 9374), (253, 9377), (263, 9425), (266, 9434), (281, 9506), (293, 9572), (294, 9581), (316, 9692), (327, 9749), (351, 9893), (355, 9905), (364, 9935), (429, 10103),

Gene: Mesh1_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Mesh1_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Mesmerelda_9 Start: 4552, Stop: 6360, Start Num: 64
Candidate Starts for Mesmerelda_9:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Metamorphoo_20 Start: 8066, Stop: 9760, Start Num: 13
Candidate Starts for Metamorphoo_20:
(Start: 13 @8066 has 37 MA's), (Start: 14 @8075 has 13 MA's), (48, 8198), (79, 8303), (83, 8315), (100, 8414), (120, 8486), (126, 8504), (162, 8627), (167, 8639), (168, 8645), (169, 8654), (179, 8690), (193, 8753), (203, 8816), (208, 8843), (214, 8888), (217, 8897), (237, 8939), (252, 8990), (253, 8993), (261, 9032), (263, 9041), (266, 9050), (273, 9083), (281, 9122), (293, 9188), (294, 9197), (295, 9212), (299, 9236), (314, 9302), (316, 9308), (321, 9335), (346, 9488), (358, 9527), (364, 9548), (383, 9593), (438, 9740),

Gene: MichaelPhcott_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for MichaelPhcott_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Mikota_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Mikota_8:
(Start: 22 @4439 has 397 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Mimi_83 Start: 33042, Stop: 34721, Start Num: 27
Candidate Starts for Mimi_83:
(Start: 25 @33036 has 1 MA's), (Start: 27 @33042 has 1 MA's), (56, 33147), (88, 33270), (90, 33282), (126, 33405), (193, 33657), (199, 33702), (233, 33858), (238, 33867), (241, 33879), (252, 33915), (257, 33936), (293, 34113), (361, 34467), (384, 34533), (388, 34539), (426, 34665), (430, 34674), (440, 34710),

Gene: MiniBoss_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for MiniBoss_8:

(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: MitKao_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for MitKao_8:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Mithril_9 Start: 6748, Stop: 8637, Start Num: 22
Candidate Starts for Mithril_9:
(Start: 22 @6748 has 397 MA's), (Start: 28 @6763 has 5 MA's), (62, 6844), (69, 6859), (80, 6910), (83, 6919), (91, 6970), (119, 7075), (134, 7135), (169, 7231), (190, 7309), (191, 7312), (193, 7321), (199, 7366), (214, 7456), (215, 7459), (235, 7537), (239, 7549), (266, 7651), (278, 7711), (285, 7753), (287, 7765), (304, 7864), (306, 7870), (311, 7897), (313, 7903), (316, 7912), (325, 7945), (433, 8317), (437, 8326), (438, 8329), (458, 8392), (468, 8452), (469, 8455), (470, 8464), (490, 8578), (496, 8602), (507, 8629),

Gene: MmasiCarm_11 Start: 6314, Stop: 8218, Start Num: 22
Candidate Starts for MmasiCarm_11:
(Start: 22 @6314 has 397 MA's), (31, 6341), (63, 6422), (80, 6485), (92, 6551), (99, 6584), (129, 6692), (155, 6782), (178, 6860), (193, 6917), (201, 6971), (214, 7052), (219, 7073), (223, 7100), (242, 7151), (244, 7160), (247, 7169), (285, 7346), (287, 7358), (299, 7433), (304, 7457), (309, 7478), (330, 7562), (352, 7700), (358, 7718), (366, 7745), (379, 7769), (443, 7934), (447, 7943), (469, 8048), (470, 8057), (475, 8084), (493, 8174), (500, 8198), (505, 8210),

Gene: MoontowerMania_11 Start: 6493, Stop: 8115, Start Num: 7
Candidate Starts for MoontowerMania_11:
(Start: 7 @6493 has 97 MA's), (32, 6613), (50, 6652), (59, 6691), (78, 6754), (99, 6847), (106, 6874), (118, 6913), (162, 7033), (166, 7042), (180, 7102), (196, 7171), (199, 7192), (203, 7210), (206, 7225), (207, 7231), (218, 7294), (248, 7354), (252, 7366), (260, 7405), (263, 7417), (266, 7426), (269, 7459), (273, 7471), (279, 7501), (286, 7546), (289, 7561), (290, 7564), (295, 7600), (304, 7648), (307, 7657), (312, 7684), (345, 7861), (364, 7918), (367, 7924), (376, 7939), (385, 7960), (389, 7966), (412, 8002), (418, 8029),

Gene: Morgushi_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Morgushi_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Mortcellus_10 Start: 6952, Stop: 8856, Start Num: 22
Candidate Starts for Mortcellus_10:
(Start: 22 @6952 has 397 MA's), (31, 6979), (63, 7060), (80, 7123), (92, 7189), (99, 7222), (129, 7330), (155, 7420), (178, 7498), (193, 7555), (201, 7609), (214, 7690), (219, 7711), (223, 7738), (242, 7789), (244, 7798), (247, 7807), (285, 7984), (287, 7996), (299, 8071), (304, 8095), (309, 8116), (330, 8200),

(352, 8338), (358, 8356), (366, 8383), (379, 8407), (443, 8572), (447, 8581), (469, 8686), (470, 8695), (475, 8722), (482, 8758), (493, 8812), (494, 8815), (500, 8836), (505, 8848),

Gene: Morty_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Morty_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Morty007_11 Start: 7104, Stop: 9008, Start Num: 22
Candidate Starts for Morty007_11:
(Start: 22 @7104 has 397 MA's), (31, 7131), (63, 7212), (80, 7275), (92, 7341), (99, 7374), (129, 7482), (155, 7572), (178, 7650), (193, 7707), (201, 7761), (214, 7842), (219, 7863), (223, 7890), (242, 7941), (244, 7950), (247, 7959), (285, 8136), (287, 8148), (299, 8223), (304, 8247), (309, 8268), (330, 8352), (352, 8490), (358, 8508), (366, 8535), (379, 8559), (443, 8724), (447, 8733), (469, 8838), (470, 8847), (475, 8874), (493, 8964), (494, 8967), (500, 8988), (505, 9000),

Gene: Mosaic_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Mosaic_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: MossRose_10 Start: 6894, Stop: 8627, Start Num: 70
Candidate Starts for MossRose_10:
(Start: 22 @6780 has 397 MA's), (Start: 70 @6894 has 2 MA's), (79, 6936), (91, 6999), (104, 7065), (138, 7170), (147, 7194), (186, 7293), (187, 7299), (191, 7308), (193, 7317), (215, 7455), (219, 7473), (253, 7614), (258, 7641), (262, 7659), (266, 7671), (277, 7722), (285, 7773), (299, 7860), (304, 7884), (358, 8142), (387, 8202), (392, 8211), (446, 8352), (447, 8355), (463, 8427), (464, 8433), (469, 8454), (479, 8511), (481, 8523), (487, 8556), (490, 8568), (493, 8580), (496, 8592), (500, 8604), (502, 8607),

Gene: MrPhizzler_8 Start: 4548, Stop: 6356, Start Num: 64
Candidate Starts for MrPhizzler_8:
(Start: 22 @4437 has 397 MA's), (Start: 64 @4548 has 5 MA's), (72, 4563), (92, 4674), (127, 4806), (132, 4830), (134, 4836), (136, 4848), (140, 4860), (192, 5025), (212, 5151), (213, 5154), (214, 5166), (217, 5175), (219, 5187), (232, 5250), (236, 5259), (247, 5295), (253, 5313), (256, 5322), (266, 5370), (284, 5466), (285, 5472), (293, 5508), (299, 5556), (304, 5580), (343, 5775), (366, 5868), (458, 6120), (482, 6255), (490, 6297), (493, 6309),

Gene: Mudslide_9 Start: 6996, Stop: 8885, Start Num: 22
Candidate Starts for Mudslide_9:
(Start: 22 @6996 has 397 MA's), (Start: 28 @7011 has 5 MA's), (62, 7092), (69, 7107), (80, 7158), (83, 7167), (91, 7218), (119, 7323), (134, 7383), (169, 7479), (190, 7557), (191, 7560), (193, 7569), (199, 7614), (214, 7704), (215, 7707), (235, 7785), (239, 7797), (266, 7899), (278, 7959), (285, 8001), (287, 8013), (304, 8112), (306, 8118), (311, 8145), (313, 8151), (316, 8160), (325, 8193), (342, 8301), (433, 8565), (437, 8574), (438, 8577), (458, 8640), (468, 8700), (469, 8703), (470, 8712), (490, 8826), (503, 8871), (507, 8877),

Gene: Mulan_8 Start: 4441, Stop: 6360, Start Num: 22

Candidate Starts for Mulan_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Murdoc_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Murdoc_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Mutante_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Mutante_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Mutzi_12 Start: 5455, Stop: 7041, Start Num: 7
Candidate Starts for Mutzi_12:
(Start: 7 @5455 has 97 MA's), (79, 5707), (85, 5737), (118, 5854), (125, 5875), (128, 5890), (190, 6064), (198, 6106), (201, 6130), (202, 6133), (210, 6172), (230, 6244), (252, 6304), (253, 6307), (254, 6310), (261, 6346), (263, 6355), (265, 6361), (266, 6364), (279, 6427), (286, 6472), (293, 6502), (299, 6550), (312, 6607), (318, 6628), (325, 6655), (326, 6658), (331, 6685), (337, 6736), (345, 6784),

Gene: Mysterious_10 Start: 6968, Stop: 8833, Start Num: 22
Candidate Starts for Mysterious_10:
(Start: 22 @6968 has 397 MA's), (74, 7088), (79, 7124), (83, 7136), (84, 7145), (99, 7223), (110, 7268), (132, 7343), (134, 7349), (175, 7448), (179, 7460), (181, 7475), (193, 7514), (199, 7559), (215, 7652), (219, 7670), (256, 7796), (266, 7844), (270, 7868), (278, 7904), (285, 7946), (291, 7973), (299, 8033), (304, 8057), (311, 8090), (315, 8102), (318, 8114), (325, 8138), (352, 8300), (358, 8318), (363, 8336), (439, 8537), (449, 8555), (453, 8567), (456, 8591), (468, 8657), (487, 8762), (507, 8825), (508, 8828),

Gene: NHagos_8 Start: 5267, Stop: 7105, Start Num: 22
Candidate Starts for NHagos_8:
(Start: 22 @5267 has 397 MA's), (Start: 70 @5381 has 2 MA's), (79, 5423), (106, 5558), (134, 5639), (138, 5657), (175, 5735), (176, 5738), (177, 5741), (185, 5774), (214, 5936), (215, 5939), (219, 5957), (221, 5963), (251, 6083), (253, 6089), (258, 6116), (262, 6134), (266, 6146), (285, 6248), (287, 6260), (299, 6335), (304, 6359), (311, 6392), (364, 6638), (374, 6659), (378, 6665), (442, 6821), (446, 6830), (447, 6833), (469, 6932), (479, 6989), (481, 7001), (487, 7034), (490, 7046), (500, 7082), (502, 7085), (507, 7097),

Gene: Nacho_008 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Nacho_008:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343,

5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Nanao_8 Start: 5643, Stop: 7532, Start Num: 22
Candidate Starts for Nanao_8:
(Start: 22 @5643 has 397 MA's), (62, 5739), (69, 5754), (80, 5805), (83, 5814), (91, 5865), (93, 5874), (119, 5970), (134, 6030), (169, 6126), (191, 6207), (199, 6261), (214, 6351), (215, 6354), (235, 6432), (239, 6444), (266, 6546), (278, 6606), (285, 6648), (287, 6660), (299, 6735), (304, 6759), (306, 6765), (311, 6792), (313, 6798), (325, 6840), (331, 6870), (433, 7212), (437, 7221), (438, 7224), (456, 7281), (468, 7347), (469, 7350), (470, 7359), (490, 7473), (503, 7518), (507, 7524),

Gene: Nangang_10 Start: 6702, Stop: 8567, Start Num: 22
Candidate Starts for Nangang_10:
(Start: 22 @6702 has 397 MA's), (Start: 28 @6717 has 5 MA's), (79, 6855), (83, 6867), (93, 6927), (101, 6969), (128, 7053), (130, 7065), (132, 7074), (179, 7191), (181, 7206), (193, 7245), (215, 7383), (219, 7401), (232, 7455), (270, 7599), (278, 7635), (285, 7677), (299, 7764), (304, 7788), (311, 7821), (315, 7833), (318, 7845), (325, 7869), (358, 8049), (363, 8067), (431, 8247), (438, 8268), (449, 8289), (468, 8391), (479, 8451), (507, 8559), (508, 8562),

Gene: Nathan_9 Start: 4550, Stop: 6358, Start Num: 64
Candidate Starts for Nathan_9:
(Start: 22 @4439 has 397 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Natkenzie_14 Start: 6957, Stop: 8627, Start Num: 7
Candidate Starts for Natkenzie_14:
(Start: 7 @6957 has 97 MA's), (17, 7032), (Start: 21 @7053 has 1 MA's), (30, 7080), (55, 7167), (78, 7248), (84, 7278), (85, 7287), (104, 7362), (109, 7374), (119, 7410), (130, 7455), (162, 7527), (166, 7536), (194, 7647), (199, 7686), (201, 7695), (203, 7704), (205, 7716), (206, 7719), (207, 7725), (230, 7800), (248, 7848), (252, 7860), (276, 7980), (279, 7995), (286, 8040), (294, 8079), (301, 8130), (309, 8163), (311, 8175), (312, 8178), (320, 8205), (326, 8229), (337, 8307), (345, 8358), (353, 8388), (355, 8394), (377, 8451), (400, 8496),

Gene: Nehemiah_9 Start: 6968, Stop: 8833, Start Num: 22
Candidate Starts for Nehemiah_9:
(Start: 22 @6968 has 397 MA's), (74, 7088), (79, 7124), (83, 7136), (84, 7145), (99, 7223), (110, 7268), (132, 7343), (134, 7349), (175, 7448), (179, 7460), (181, 7475), (193, 7514), (199, 7559), (215, 7652), (219, 7670), (256, 7796), (266, 7844), (270, 7868), (278, 7904), (285, 7946), (291, 7973), (299, 8033), (304, 8057), (311, 8090), (315, 8102), (318, 8114), (325, 8138), (352, 8300), (358, 8318), (363, 8336), (439, 8537), (449, 8555), (453, 8567), (456, 8591), (468, 8657), (487, 8762), (507, 8825), (508, 8828),

Gene: Neos5_11 Start: 7104, Stop: 9008, Start Num: 22
Candidate Starts for Neos5_11:
(Start: 22 @7104 has 397 MA's), (31, 7131), (63, 7212), (80, 7275), (92, 7341), (99, 7374), (129, 7482), (155, 7572), (178, 7650), (193, 7707), (201, 7761), (214, 7842), (219, 7863), (223, 7890), (242, 7941), (244, 7950), (247, 7959), (285, 8136), (287, 8148), (299, 8223), (304, 8247), (309, 8268), (330, 8352), (352, 8490), (358, 8508), (366, 8535), (379, 8559), (443, 8724), (447, 8733), (469, 8838), (470, 8847), (475, 8874), (493, 8964), (500, 8988), (505, 9000),

Gene: Newman_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Newman_8:

(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Nicole21_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Nicole21_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Nicole72_14 Start: 8906, Stop: 10651, Start Num: 13
Candidate Starts for Nicole72_14:
(Start: 13 @8906 has 37 MA's), (Start: 14 @8915 has 13 MA's), (54, 9056), (79, 9140), (83, 9152), (86, 9173), (90, 9194), (100, 9251), (106, 9269), (126, 9341), (136, 9392), (162, 9455), (168, 9473), (169, 9482), (193, 9575), (203, 9638), (208, 9665), (214, 9710), (222, 9743), (230, 9752), (231, 9755), (252, 9812), (253, 9815), (261, 9854), (263, 9863), (266, 9872), (273, 9905), (281, 9944), (293, 10010), (294, 10019), (297, 10043), (299, 10058), (316, 10130), (322, 10175), (348, 10340), (349, 10346), (357, 10370), (358, 10373), (376, 10421), (383, 10439), (405, 10478), (407, 10487), (424, 10565), (435, 10607),

Gene: Nigel_7 Start: 5552, Stop: 7444, Start Num: 22
Candidate Starts for Nigel_7:
(Start: 22 @5552 has 397 MA's), (56, 5633), (69, 5663), (73, 5672), (80, 5714), (83, 5723), (93, 5783), (116, 5870), (119, 5879), (134, 5939), (139, 5960), (190, 6113), (191, 6116), (193, 6125), (199, 6170), (214, 6260), (215, 6263), (232, 6335), (235, 6341), (236, 6344), (239, 6353), (256, 6407), (262, 6443), (266, 6455), (268, 6470), (278, 6515), (285, 6557), (303, 6665), (304, 6668), (306, 6674), (311, 6701), (313, 6707), (315, 6713), (359, 6932), (367, 6959), (403, 7022), (433, 7124), (437, 7133), (438, 7136), (456, 7193), (458, 7199), (468, 7259), (469, 7262), (470, 7271), (490, 7385), (498, 7415), (507, 7436),

Gene: NoodlelyBoi_19 Start: 8480, Stop: 10180, Start Num: 13
Candidate Starts for NoodlelyBoi_19:
(Start: 13 @8480 has 37 MA's), (Start: 14 @8489 has 13 MA's), (48, 8609), (79, 8714), (83, 8726), (100, 8825), (102, 8831), (105, 8840), (120, 8897), (126, 8915), (137, 8969), (144, 8993), (145, 8996), (157, 9020), (162, 9038), (168, 9056), (169, 9065), (179, 9101), (193, 9164), (203, 9227), (208, 9254), (214, 9299), (252, 9401), (253, 9404), (261, 9443), (266, 9461), (281, 9533), (293, 9599), (294, 9608), (299, 9647), (314, 9713), (316, 9719), (321, 9749), (346, 9902), (351, 9920), (358, 9941), (364, 9962), (365, 9965), (375, 9986),

Gene: Nordenberg_7 Start: 4637, Stop: 6259, Start Num: 7
Candidate Starts for Nordenberg_7:
(Start: 7 @4637 has 97 MA's), (50, 4796), (59, 4835), (78, 4898), (99, 4991), (106, 5018), (118, 5057), (166, 5186), (180, 5246), (196, 5315), (199, 5336), (203, 5354), (206, 5369), (207, 5375), (218, 5438), (248, 5498), (252, 5510), (260, 5549), (263, 5561), (266, 5570), (273, 5615), (279, 5645), (286, 5690), (289, 5705), (290, 5708), (295, 5744), (304, 5792), (307, 5801), (312, 5828), (345, 6005), (364, 6062), (367, 6068), (376, 6083), (385, 6104), (389, 6110), (412, 6146), (418, 6173),

Gene: Nozo_11 Start: 7076, Stop: 8983, Start Num: 22
Candidate Starts for Nozo_11:

(Start: 22 @7076 has 397 MA's), (31, 7103), (63, 7184), (80, 7247), (92, 7313), (99, 7346), (129, 7454), (155, 7544), (178, 7622), (193, 7679), (201, 7733), (214, 7814), (219, 7835), (223, 7862), (242, 7913), (244, 7922), (247, 7931), (285, 8108), (287, 8120), (299, 8195), (304, 8219), (309, 8240), (330, 8324), (352, 8462), (358, 8480), (366, 8507), (379, 8531), (443, 8699), (447, 8708), (469, 8813), (470, 8822), (475, 8849), (493, 8939), (500, 8963), (505, 8975),

Gene: Nubi_12 Start: 5453, Stop: 7042, Start Num: 7
Candidate Starts for Nubi_12:
(Start: 7 @5453 has 97 MA's), (17, 5516), (79, 5708), (85, 5738), (118, 5855), (125, 5876), (128, 5891), (190, 6065), (198, 6107), (201, 6131), (202, 6134), (210, 6173), (230, 6245), (252, 6305), (253, 6308), (254, 6311), (261, 6347), (263, 6356), (265, 6362), (266, 6365), (279, 6428), (286, 6473), (293, 6503), (299, 6551), (312, 6608), (318, 6629), (325, 6656), (326, 6659), (331, 6686), (337, 6737), (345, 6785),

Gene: Numberten_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Numberten_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Nyala_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Nyala_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: OSmaximus_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for OSmaximus_8:
(Start: 22 @4439 has 397 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Obutu_11 Start: 6315, Stop: 8219, Start Num: 22
Candidate Starts for Obutu_11:
(Start: 22 @6315 has 397 MA's), (31, 6342), (63, 6423), (80, 6486), (92, 6552), (99, 6585), (129, 6693), (155, 6783), (178, 6861), (193, 6918), (201, 6972), (214, 7053), (219, 7074), (223, 7101), (242, 7152), (244, 7161), (247, 7170), (285, 7347), (287, 7359), (299, 7434), (304, 7458), (309, 7479), (330, 7563), (352, 7701), (358, 7719), (366, 7746), (379, 7770), (443, 7935), (447, 7944), (469, 8049), (470, 8058), (475, 8085), (482, 8121), (493, 8175), (494, 8178), (500, 8199), (505, 8211),

Gene: Olak_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Olak_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Oline_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Oline_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Olive_8 Start: 4453, Stop: 6357, Start Num: 28
Candidate Starts for Olive_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: OliverWalter_8 Start: 4437, Stop: 6356, Start Num: 22
Candidate Starts for OliverWalter_8:
(Start: 22 @4437 has 397 MA's), (Start: 28 @4452 has 5 MA's), (Start: 64 @4548 has 5 MA's), (72, 4563), (92, 4674), (127, 4806), (132, 4830), (134, 4836), (136, 4848), (140, 4860), (192, 5025), (212, 5151), (213, 5154), (214, 5166), (217, 5175), (219, 5187), (232, 5250), (236, 5259), (247, 5295), (253, 5313), (256, 5322), (266, 5370), (284, 5466), (285, 5472), (293, 5508), (299, 5556), (304, 5580), (343, 5775), (366, 5868), (458, 6120), (482, 6255), (490, 6297), (493, 6309),

Gene: Omniscient_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Omniscient_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Onika_19 Start: 8448, Stop: 10124, Start Num: 13
Candidate Starts for Onika_19:
(Start: 13 @8448 has 37 MA's), (Start: 14 @8457 has 13 MA's), (Start: 46 @8571 has 2 MA's), (48, 8577), (79, 8682), (83, 8694), (100, 8793), (102, 8799), (106, 8811), (120, 8865), (126, 8883), (137, 8937), (146, 8967), (162, 9006), (168, 9024), (169, 9033), (179, 9069), (193, 9132), (203, 9195), (208, 9222), (214, 9267), (252, 9369), (253, 9372), (261, 9411), (266, 9429), (281, 9501), (293, 9567), (294, 9576), (299, 9615), (307, 9648), (314, 9681), (316, 9687), (321, 9717), (325, 9732), (346, 9870), (350, 9885), (357, 9906), (358, 9909),

Gene: Oosterbaan_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Oosterbaan_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Opia_12 Start: 7728, Stop: 9617, Start Num: 22
Candidate Starts for Opia_12:
(Start: 22 @7728 has 397 MA's), (38, 7776), (Start: 46 @7800 has 2 MA's), (56, 7818), (Start: 70 @7851 has 2 MA's), (91, 7959), (110, 8043), (129, 8106), (138, 8142), (158, 8193), (165, 8205), (169,

8226), (191, 8304), (193, 8313), (199, 8358), (214, 8448), (215, 8451), (217, 8457), (219, 8469), (222, 8484), (223, 8496), (251, 8580), (258, 8613), (262, 8631), (273, 8676), (285, 8745), (287, 8757), (299, 8832), (304, 8856), (306, 8862), (311, 8889), (315, 8901), (317, 8907), (325, 8937), (326, 8940), (331, 8967), (339, 9033), (341, 9042), (358, 9117), (370, 9153), (395, 9198), (442, 9336), (443, 9339), (449, 9351), (467, 9438), (469, 9447), (470, 9456), (472, 9471), (478, 9501), (482, 9519), (485, 9534), (490, 9561), (493, 9573), (507, 9609),

Gene: OrangeOswald_11 Start: 6314, Stop: 8218, Start Num: 22
Candidate Starts for OrangeOswald_11:
(Start: 22 @6314 has 397 MA's), (31, 6341), (63, 6422), (80, 6485), (92, 6551), (99, 6584), (129, 6692), (155, 6782), (178, 6860), (193, 6917), (201, 6971), (214, 7052), (219, 7073), (223, 7100), (242, 7151), (244, 7160), (247, 7169), (285, 7346), (287, 7358), (299, 7433), (304, 7457), (309, 7478), (330, 7562), (352, 7700), (358, 7718), (366, 7745), (379, 7769), (443, 7934), (447, 7943), (469, 8048), (470, 8057), (475, 8084), (493, 8174), (500, 8198), (505, 8210),

Gene: Orfeu_8 Start: 4440, Stop: 6359, Start Num: 22
Candidate Starts for Orfeu_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: Orion_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Orion_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Orwigg_9 Start: 4457, Stop: 6361, Start Num: 28
Candidate Starts for Orwigg_9:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: PG1_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for PG1_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: PR_06 Start: 3403, Stop: 5202, Start Num: 46
Candidate Starts for PR_06:
(Start: 18 @3328 has 7 MA's), (Start: 22 @3346 has 397 MA's), (Start: 46 @3403 has 2 MA's), (86, 3541), (91, 3571), (103, 3625), (134, 3736), (175, 3865), (191, 3922), (193, 3931), (199, 3976), (203, 3994), (216, 4072), (217, 4075), (247, 4159), (255, 4183), (259, 4207), (285, 4336), (287, 4348), (293, 4372), (299, 4423), (311, 4480), (315, 4492), (346, 4666), (366, 4735), (463, 4987), (490, 5128), (493,

5140), (508, 5182),

Gene: Pacifista_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Pacifista_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Paries_13 Start: 6785, Stop: 8407, Start Num: 7
Candidate Starts for Paries_13:
(Start: 7 @6785 has 97 MA's), (50, 6944), (59, 6983), (78, 7046), (99, 7139), (106, 7166), (118, 7205), (162, 7325), (166, 7334), (180, 7394), (196, 7463), (199, 7484), (203, 7502), (206, 7517), (207, 7523), (218, 7586), (248, 7646), (252, 7658), (260, 7697), (263, 7709), (266, 7718), (273, 7763), (279, 7793), (286, 7838), (289, 7853), (290, 7856), (295, 7892), (304, 7940), (307, 7949), (312, 7976), (345, 8153), (364, 8210), (367, 8216), (376, 8231), (385, 8252), (389, 8258), (412, 8294), (418, 8321),

Gene: Paschalis_19 Start: 8434, Stop: 10140, Start Num: 13
Candidate Starts for Paschalis_19:
(Start: 13 @8434 has 37 MA's), (Start: 14 @8443 has 13 MA's), (15, 8458), (Start: 46 @8557 has 2 MA's), (48, 8563), (79, 8668), (83, 8680), (100, 8779), (102, 8785), (106, 8797), (120, 8851), (126, 8869), (137, 8923), (146, 8953), (162, 8992), (168, 9010), (169, 9019), (179, 9055), (193, 9118), (203, 9181), (208, 9208), (214, 9253), (252, 9355), (253, 9358), (261, 9397), (266, 9415), (281, 9487), (293, 9553), (294, 9562), (299, 9601), (307, 9634), (314, 9667), (316, 9673), (321, 9703), (346, 9856), (350, 9871), (357, 9892), (358, 9895), (438, 10108),

Gene: Patbob_76 Start: 33335, Stop: 35014, Start Num: 27
Candidate Starts for Patbob_76:
(Start: 25 @33329 has 1 MA's), (Start: 27 @33335 has 1 MA's), (56, 33440), (88, 33563), (90, 33575), (126, 33698), (193, 33950), (199, 33995), (233, 34151), (238, 34160), (241, 34172), (252, 34208), (257, 34229), (293, 34406), (361, 34760), (384, 34826), (388, 34832), (426, 34958), (430, 34967), (440, 35003),

Gene: PauloDiaboli_82 Start: 29189, Stop: 30925, Start Num: 29
Candidate Starts for PauloDiaboli_82:
(Start: 29 @29189 has 6 MA's), (49, 29252), (50, 29261), (75, 29339), (88, 29411), (89, 29420), (94, 29444), (96, 29453), (122, 29534), (146, 29627), (168, 29684), (191, 29807), (199, 29861), (219, 29969), (252, 30080), (261, 30122), (279, 30203), (282, 30224), (294, 30287), (303, 30347), (310, 30380), (323, 30428), (334, 30488), (350, 30599), (386, 30707), (422, 30827), (425, 30851),

Gene: PenguinLover67_12 Start: 7600, Stop: 9486, Start Num: 22
Candidate Starts for PenguinLover67_12:
(Start: 22 @7600 has 397 MA's), (Start: 70 @7714 has 2 MA's), (91, 7822), (111, 7900), (113, 7906), (127, 7957), (134, 7987), (167, 8047), (169, 8062), (179, 8098), (181, 8113), (199, 8197), (206, 8230), (214, 8287), (219, 8308), (223, 8335), (228, 8356), (235, 8377), (239, 8389), (263, 8482), (266, 8491), (277, 8542), (285, 8593), (304, 8704), (311, 8737), (315, 8749), (331, 8815), (358, 8965), (360, 8971), (367, 8995), (394, 9046), (432, 9178), (437, 9190), (446, 9208), (468, 9310), (470, 9322), (483, 9391), (484, 9394),

Gene: Phaedrus_10 Start: 6231, Stop: 8135, Start Num: 22
Candidate Starts for Phaedrus_10:

(Start: 22 @6231 has 397 MA's), (31, 6258), (63, 6339), (80, 6402), (92, 6468), (99, 6501), (129, 6609), (155, 6699), (178, 6777), (193, 6834), (201, 6888), (214, 6969), (219, 6990), (223, 7017), (242, 7068), (244, 7077), (247, 7086), (285, 7263), (287, 7275), (299, 7350), (304, 7374), (309, 7395), (330, 7479), (352, 7617), (358, 7635), (366, 7662), (379, 7686), (443, 7851), (447, 7860), (469, 7965), (470, 7974), (475, 8001), (493, 8091), (494, 8094), (500, 8115), (505, 8127),

Gene: Phamished_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Phamished_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Phantasmagoria_12 Start: 7728, Stop: 9617, Start Num: 22
Candidate Starts for Phantasmagoria_12:
(Start: 22 @7728 has 397 MA's), (38, 7776), (Start: 46 @7800 has 2 MA's), (56, 7818), (Start: 70 @7851 has 2 MA's), (91, 7959), (110, 8043), (129, 8106), (138, 8142), (158, 8193), (169, 8226), (191, 8304), (193, 8313), (199, 8358), (214, 8448), (215, 8451), (217, 8457), (219, 8469), (222, 8484), (223, 8496), (251, 8580), (258, 8613), (262, 8631), (273, 8676), (285, 8745), (287, 8757), (299, 8832), (304, 8856), (306, 8862), (311, 8889), (315, 8901), (317, 8907), (325, 8937), (326, 8940), (331, 8967), (339, 9033), (341, 9042), (358, 9117), (370, 9153), (395, 9198), (442, 9336), (443, 9339), (449, 9351), (467, 9438), (469, 9447), (470, 9456), (472, 9471), (478, 9501), (482, 9519), (485, 9534), (490, 9561), (493, 9573), (507, 9609),

Gene: Phareon_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Phareon_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: PhatCats2014_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for PhatCats2014_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: PhatLouie_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for PhatLouie_8:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Phauci_6 Start: 3603, Stop: 5237, Start Num: 7
Candidate Starts for Phauci_6:
(Start: 7 @3603 has 97 MA's), (10, 3630), (12, 3639), (17, 3675), (34, 3741), (56, 3798), (66, 3831), (78, 3876), (84, 3906), (85, 3915), (90, 3939), (92, 3954), (118, 4035), (132, 4092), (161, 4152), (166,

4164), (169, 4182), (180, 4224), (199, 4314), (203, 4332), (206, 4347), (207, 4353), (216, 4407), (230, 4428), (252, 4488), (253, 4491), (266, 4548), (267, 4572), (273, 4593), (279, 4623), (286, 4668), (290, 4686), (294, 4707), (304, 4770), (309, 4791), (312, 4806), (326, 4857), (342, 4962), (345, 4983), (353, 5013), (362, 5031), (389, 5097), (400, 5118), (419, 5172),

Gene: Phayeta_11 Start: 6190, Stop: 8094, Start Num: 22
Candidate Starts for Phayeta_11:
(Start: 22 @6190 has 397 MA's), (31, 6217), (63, 6298), (80, 6361), (92, 6427), (99, 6460), (129, 6568), (155, 6658), (178, 6736), (193, 6793), (201, 6847), (214, 6928), (219, 6949), (223, 6976), (242, 7027), (244, 7036), (247, 7045), (285, 7222), (287, 7234), (299, 7309), (304, 7333), (309, 7354), (330, 7438), (352, 7576), (358, 7594), (366, 7621), (379, 7645), (443, 7810), (447, 7819), (469, 7924), (470, 7933), (475, 7960), (493, 8050), (494, 8053), (500, 8074), (505, 8086),

Gene: PhedwardCullen_18 Start: 8217, Stop: 9884, Start Num: 14
Candidate Starts for PhedwardCullen_18:
(Start: 13 @8208 has 37 MA's), (Start: 14 @8217 has 13 MA's), (15, 8232), (Start: 46 @8331 has 2 MA's), (48, 8337), (79, 8442), (83, 8454), (100, 8553), (102, 8559), (106, 8571), (120, 8625), (126, 8643), (137, 8697), (146, 8727), (162, 8766), (168, 8784), (169, 8793), (179, 8829), (193, 8892), (203, 8955), (208, 8982), (214, 9027), (252, 9129), (253, 9132), (261, 9171), (266, 9189), (281, 9261), (293, 9327), (294, 9336), (299, 9375), (307, 9408), (314, 9441), (316, 9447), (321, 9477), (325, 9492), (346, 9630), (350, 9645), (357, 9666), (358, 9669),

Gene: Phelemich_10 Start: 6971, Stop: 8836, Start Num: 22
Candidate Starts for Phelemich_10:
(Start: 22 @6971 has 397 MA's), (Start: 28 @6986 has 5 MA's), (74, 7091), (79, 7127), (83, 7139), (84, 7148), (99, 7226), (110, 7271), (132, 7346), (134, 7352), (175, 7451), (179, 7463), (181, 7478), (193, 7517), (199, 7562), (206, 7595), (215, 7655), (219, 7673), (256, 7799), (266, 7847), (270, 7871), (278, 7907), (285, 7949), (299, 8036), (304, 8060), (311, 8093), (315, 8105), (318, 8117), (325, 8141), (358, 8321), (381, 8372), (439, 8540), (449, 8558), (453, 8570), (456, 8594), (468, 8660), (487, 8765), (507, 8828), (508, 8831),

Gene: Phendrix_65 Start: 24534, Stop: 26360, Start Num: 19
Candidate Starts for Phendrix_65:
(Start: 19 @24534 has 1 MA's), (Start: 21 @24546 has 1 MA's), (34, 24591), (42, 24615), (67, 24702), (87, 24786), (88, 24789), (97, 24834), (151, 25047), (174, 25146), (178, 25170), (199, 25290), (205, 25320), (209, 25338), (212, 25365), (244, 25461), (252, 25485), (260, 25524), (264, 25539), (273, 25578), (274, 25581), (275, 25584), (283, 25632), (287, 25659), (293, 25683), (305, 25758), (306, 25761), (307, 25764), (309, 25776), (310, 25785), (315, 25800), (347, 25998), (363, 26049), (390, 26124), (398, 26145), (428, 26262),

Gene: PhenghisKhan_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for PhenghisKhan_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Pherdinand_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Pherdinand_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253,

5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Phergie_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Phergie_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Philly_10 Start: 6204, Stop: 8108, Start Num: 22
Candidate Starts for Philly_10:
(Start: 22 @6204 has 397 MA's), (31, 6231), (63, 6312), (80, 6375), (92, 6441), (99, 6474), (129, 6582), (155, 6672), (178, 6750), (193, 6807), (201, 6861), (214, 6942), (219, 6963), (223, 6990), (242, 7041), (244, 7050), (247, 7059), (285, 7236), (287, 7248), (299, 7323), (304, 7347), (309, 7368), (330, 7452), (352, 7590), (358, 7608), (366, 7635), (379, 7659), (443, 7824), (447, 7833), (469, 7938), (470, 7947), (475, 7974), (493, 8064), (500, 8088), (505, 8100),

Gene: Phinally_13 Start: 7070, Stop: 8704, Start Num: 7
Candidate Starts for Phinally_13:
(Start: 7 @7070 has 97 MA's), (10, 7097), (12, 7106), (17, 7142), (Start: 27 @7184 has 1 MA's), (34, 7208), (56, 7265), (66, 7298), (78, 7343), (84, 7373), (85, 7382), (90, 7406), (92, 7421), (118, 7502), (132, 7559), (161, 7619), (166, 7631), (169, 7649), (180, 7691), (199, 7781), (203, 7799), (206, 7814), (207, 7820), (216, 7874), (230, 7895), (252, 7955), (253, 7958), (266, 8015), (267, 8039), (279, 8090), (286, 8135), (290, 8153), (294, 8174), (304, 8237), (309, 8258), (312, 8273), (326, 8324), (342, 8429), (345, 8450), (353, 8480), (362, 8498), (389, 8564), (400, 8585), (419, 8639),

Gene: Phipps_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Phipps_8:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Phleuron_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Phleuron_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Phlop_12 Start: 5562, Stop: 7145, Start Num: 7
Candidate Starts for Phlop_12:
(Start: 7 @5562 has 97 MA's), (32, 5676), (85, 5844), (119, 5964), (125, 5982), (128, 5997), (182, 6147), (192, 6177), (201, 6237), (202, 6240), (210, 6279), (230, 6351), (252, 6411), (253, 6414), (254, 6417), (261, 6453), (263, 6462), (265, 6468), (266, 6471), (279, 6534), (286, 6579), (293, 6609), (299, 6657), (312, 6714), (318, 6735), (320, 6741), (325, 6762), (331, 6792), (337, 6843), (345, 6891),

Gene: Phlyer_11 Start: 7071, Stop: 8975, Start Num: 22
Candidate Starts for Phlyer_11:

(Start: 22 @7071 has 397 MA's), (31, 7098), (63, 7179), (80, 7242), (92, 7308), (99, 7341), (129, 7449), (155, 7539), (178, 7617), (193, 7674), (201, 7728), (214, 7809), (219, 7830), (223, 7857), (242, 7908), (244, 7917), (247, 7926), (285, 8103), (287, 8115), (299, 8190), (304, 8214), (309, 8235), (330, 8319), (352, 8457), (358, 8475), (366, 8502), (379, 8526), (443, 8691), (447, 8700), (469, 8805), (470, 8814), (475, 8841), (493, 8931), (494, 8934), (500, 8955), (505, 8967),

Gene: Phorgeous_19 Start: 8286, Stop: 9992, Start Num: 13
Candidate Starts for Phorgeous_19:
(Start: 13 @8286 has 37 MA's), (Start: 14 @8295 has 13 MA's), (15, 8310), (Start: 46 @8409 has 2 MA's), (48, 8415), (79, 8520), (83, 8532), (100, 8631), (102, 8637), (120, 8703), (126, 8721), (137, 8775), (146, 8805), (162, 8844), (168, 8862), (169, 8871), (179, 8907), (193, 8970), (203, 9033), (208, 9060), (214, 9105), (252, 9207), (253, 9210), (261, 9249), (266, 9267), (281, 9339), (293, 9405), (294, 9414), (299, 9453), (307, 9486), (314, 9519), (316, 9525), (321, 9555), (346, 9708), (350, 9723), (357, 9744), (358, 9747), (434, 9951), (438, 9960),

Gene: Phrampa_70 Start: 30361, Stop: 32055, Start Num: 27
Candidate Starts for Phrampa_70:
(Start: 25 @30355 has 1 MA's), (Start: 27 @30361 has 1 MA's), (56, 30463), (88, 30586), (90, 30598), (99, 30646), (126, 30721), (146, 30802), (193, 30973), (199, 31018), (214, 31105), (233, 31174), (238, 31183), (252, 31231), (257, 31252), (263, 31282), (293, 31429), (361, 31783), (388, 31855), (426, 31996), (430, 32005), (440, 32044),

Gene: Phrancesco_21 Start: 8565, Stop: 10271, Start Num: 13
Candidate Starts for Phrancesco_21:
(Start: 13 @8565 has 37 MA's), (Start: 14 @8574 has 13 MA's), (15, 8589), (Start: 46 @8688 has 2 MA's), (48, 8694), (79, 8799), (83, 8811), (100, 8910), (102, 8916), (120, 8982), (126, 9000), (137, 9054), (146, 9084), (162, 9123), (168, 9141), (169, 9150), (179, 9186), (193, 9249), (203, 9312), (208, 9339), (214, 9384), (252, 9486), (253, 9489), (261, 9528), (266, 9546), (281, 9618), (293, 9684), (294, 9693), (299, 9732), (307, 9765), (314, 9798), (316, 9804), (321, 9834), (346, 9987), (350, 10002), (357, 10023), (358, 10026), (438, 10239),

Gene: PhrankReynolds_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for PhrankReynolds_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: PhrodoBaggins_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for PhrodoBaggins_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Phunky_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Phunky_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343,

5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: PierreOrion_20 Start: 8589, Stop: 10295, Start Num: 13
Candidate Starts for PierreOrion_20:
(Start: 13 @8589 has 37 MA's), (Start: 14 @8598 has 13 MA's), (15, 8613), (Start: 46 @8712 has 2 MA's), (48, 8718), (79, 8823), (83, 8835), (100, 8934), (102, 8940), (106, 8952), (120, 9006), (126, 9024), (137, 9078), (146, 9108), (162, 9147), (168, 9165), (169, 9174), (179, 9210), (193, 9273), (203, 9336), (208, 9363), (214, 9408), (252, 9510), (253, 9513), (261, 9552), (266, 9570), (281, 9642), (293, 9708), (294, 9717), (299, 9756), (307, 9789), (314, 9822), (316, 9828), (321, 9858), (346, 10011), (350, 10026), (357, 10047), (358, 10050), (438, 10263),

Gene: Piglet_008 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Piglet_008:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Pine5_11 Start: 6413, Stop: 8443, Start Num: 52
Candidate Starts for Pine5_11:
(31, 6338), (41, 6371), (44, 6380), (52, 6413), (129, 6716), (171, 6875), (217, 7112), (285, 7397), (326, 7592), (336, 7667), (342, 7697), (393, 7868), (394, 7871), (395, 7874), (400, 7883), (455, 8096), (459, 8135), (471, 8207), (488, 8303), (490, 8315), (491, 8318), (492, 8321), (501, 8360), (509, 8387), (511, 8390), (512, 8420), (513, 8423), (514, 8432),

Gene: PinheadLarry_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for PinheadLarry_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: PinkCoffee_12 Start: 5592, Stop: 7178, Start Num: 7
Candidate Starts for PinkCoffee_12:
(Start: 7 @5592 has 97 MA's), (79, 5844), (85, 5874), (118, 5991), (125, 6012), (128, 6027), (190, 6201), (198, 6243), (201, 6267), (202, 6270), (210, 6309), (230, 6381), (252, 6441), (253, 6444), (254, 6447), (261, 6483), (263, 6492), (265, 6498), (266, 6501), (279, 6564), (286, 6609), (293, 6639), (299, 6687), (312, 6744), (318, 6765), (325, 6792), (326, 6795), (331, 6822), (337, 6873), (345, 6921),

Gene: Pinkman_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Pinkman_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Pipefish_11 Start: 7209, Stop: 9104, Start Num: 22
Candidate Starts for Pipefish_11:
(Start: 22 @7209 has 397 MA's), (31, 7236), (63, 7317), (80, 7380), (92, 7446), (99, 7479), (129, 7587), (155, 7677), (178, 7755), (193, 7812), (201, 7866), (214, 7947), (219, 7968), (223, 7995), (242, 8046),

(244, 8055), (247, 8064), (285, 8241), (287, 8253), (299, 8328), (304, 8352), (309, 8373), (330, 8457), (352, 8595), (358, 8613), (366, 8640), (379, 8664), (443, 8820), (447, 8829), (469, 8934), (470, 8943), (475, 8970), (482, 9006), (493, 9060), (494, 9063), (500, 9084), (505, 9096),

Gene: PiperSansNom_20 Start: 8738, Stop: 10444, Start Num: 13
Candidate Starts for PiperSansNom_20:
(Start: 13 @8738 has 37 MA's), (Start: 14 @8747 has 13 MA's), (15, 8762), (Start: 46 @8861 has 2 MA's), (48, 8867), (79, 8972), (83, 8984), (100, 9083), (102, 9089), (106, 9101), (120, 9155), (126, 9173), (137, 9227), (146, 9257), (162, 9296), (168, 9314), (169, 9323), (179, 9359), (193, 9422), (203, 9485), (208, 9512), (252, 9659), (253, 9662), (261, 9701), (266, 9719), (281, 9791), (293, 9857), (294, 9866), (299, 9905), (307, 9938), (314, 9971), (316, 9977), (321, 10007), (346, 10160), (350, 10175), (357, 10196), (358, 10199), (434, 10403), (438, 10412),

Gene: Piperis_20 Start: 8441, Stop: 10117, Start Num: 13
Candidate Starts for Piperis_20:
(Start: 13 @8441 has 37 MA's), (Start: 14 @8450 has 13 MA's), (15, 8465), (Start: 46 @8564 has 2 MA's), (48, 8570), (79, 8675), (83, 8687), (100, 8786), (102, 8792), (106, 8804), (120, 8858), (126, 8876), (137, 8930), (146, 8960), (162, 8999), (168, 9017), (169, 9026), (179, 9062), (193, 9125), (203, 9188), (208, 9215), (214, 9260), (252, 9362), (253, 9365), (261, 9404), (266, 9422), (281, 9494), (293, 9560), (294, 9569), (299, 9608), (307, 9641), (314, 9674), (316, 9680), (321, 9710), (346, 9863), (350, 9878), (357, 9899), (358, 9902),

Gene: Pipsqueak_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Pipsqueak_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Placalicious_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Placalicious_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Plmatters_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Plmatters_8:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Podrick_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Podrick_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Pops_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Pops_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Portcullis_12 Start: 5515, Stop: 7101, Start Num: 7
Candidate Starts for Portcullis_12:
(Start: 7 @5515 has 97 MA's), (32, 5629), (85, 5797), (119, 5917), (125, 5935), (128, 5950), (182, 6100), (192, 6130), (201, 6190), (202, 6193), (210, 6232), (230, 6304), (252, 6364), (253, 6367), (254, 6370), (261, 6406), (263, 6415), (265, 6421), (266, 6424), (279, 6487), (286, 6532), (293, 6562), (299, 6610), (312, 6667), (318, 6688), (320, 6694), (325, 6715), (326, 6718), (331, 6745), (337, 6796), (345, 6844),

Gene: Poster_8 Start: 5643, Stop: 7532, Start Num: 22
Candidate Starts for Poster_8:
(Start: 22 @5643 has 397 MA's), (62, 5739), (69, 5754), (80, 5805), (83, 5814), (91, 5865), (93, 5874), (119, 5970), (134, 6030), (169, 6126), (191, 6207), (199, 6261), (214, 6351), (215, 6354), (235, 6432), (239, 6444), (266, 6546), (278, 6606), (285, 6648), (287, 6660), (299, 6735), (304, 6759), (306, 6765), (311, 6792), (313, 6798), (325, 6840), (331, 6870), (433, 7212), (437, 7221), (438, 7224), (456, 7281), (468, 7347), (469, 7350), (470, 7359), (490, 7473), (503, 7518), (507, 7524),

Gene: Potter_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Potter_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Prickles_8 Start: 4447, Stop: 6366, Start Num: 22
Candidate Starts for Prickles_8:
(Start: 22 @4447 has 397 MA's), (Start: 28 @4462 has 5 MA's), (Start: 64 @4558 has 5 MA's), (72, 4573), (92, 4684), (127, 4816), (132, 4840), (134, 4846), (136, 4858), (140, 4870), (192, 5035), (212, 5161), (213, 5164), (214, 5176), (217, 5185), (219, 5197), (232, 5260), (236, 5269), (247, 5305), (253, 5323), (256, 5332), (266, 5380), (284, 5476), (285, 5482), (293, 5518), (299, 5566), (304, 5590), (343, 5785), (366, 5878), (458, 6130), (482, 6265), (490, 6307), (493, 6319),

Gene: Prince_9 Start: 6908, Stop: 8797, Start Num: 22
Candidate Starts for Prince_9:
(Start: 22 @6908 has 397 MA's), (Start: 28 @6923 has 5 MA's), (62, 7004), (69, 7019), (80, 7070), (83, 7079), (91, 7130), (119, 7235), (134, 7295), (169, 7391), (190, 7469), (191, 7472), (193, 7481), (199, 7526), (214, 7616), (215, 7619), (235, 7697), (239, 7709), (266, 7811), (278, 7871), (285, 7913), (287, 7925), (304, 8024), (306, 8030), (311, 8057), (313, 8063), (316, 8072), (325, 8105), (342, 8213), (433, 8477), (437, 8486), (438, 8489), (458, 8552), (468, 8612), (469, 8615), (470, 8624), (490, 8738), (503, 8783), (507, 8789),

Gene: ProfessorX_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for ProfessorX_8:

(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Puhltonio_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Puhltonio_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Pulchra_21 Start: 8840, Stop: 10516, Start Num: 13
Candidate Starts for Pulchra_21:
(Start: 13 @8840 has 37 MA's), (Start: 14 @8849 has 13 MA's), (15, 8864), (Start: 46 @8963 has 2 MA's), (48, 8969), (79, 9074), (83, 9086), (100, 9185), (102, 9191), (106, 9203), (120, 9257), (126, 9275), (137, 9329), (146, 9359), (162, 9398), (168, 9416), (169, 9425), (179, 9461), (193, 9524), (203, 9587), (208, 9614), (252, 9761), (253, 9764), (261, 9803), (266, 9821), (281, 9893), (293, 9959), (294, 9968), (299, 10007), (307, 10040), (314, 10073), (316, 10079), (321, 10109), (325, 10124), (346, 10262), (350, 10277), (357, 10298), (358, 10301),

Gene: PullumCavea_12 Start: 5562, Stop: 7145, Start Num: 7
Candidate Starts for PullumCavea_12:
(Start: 7 @5562 has 97 MA's), (32, 5676), (85, 5844), (119, 5964), (125, 5982), (128, 5997), (182, 6147), (192, 6177), (201, 6237), (202, 6240), (210, 6279), (230, 6351), (252, 6411), (253, 6414), (254, 6417), (261, 6453), (263, 6462), (265, 6468), (266, 6471), (279, 6534), (286, 6579), (293, 6609), (299, 6657), (312, 6714), (318, 6735), (320, 6741), (325, 6762), (331, 6792), (337, 6843), (345, 6891),

Gene: Pumpernickel_80 Start: 31376, Stop: 33094, Start Num: 29
Candidate Starts for Pumpernickel_80:
(3, 31238), (6, 31247), (8, 31259), (Start: 29 @31376 has 6 MA's), (60, 31490), (146, 31817), (178, 31934), (199, 32051), (219, 32159), (252, 32267), (279, 32390), (282, 32411), (293, 32465), (303, 32534), (335, 32702), (350, 32786), (351, 32789), (352, 32792), (372, 32858),

Gene: QueenBeane_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for QueenBeane_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: QueenPie_9 Start: 6601, Stop: 8490, Start Num: 22
Candidate Starts for QueenPie_9:
(Start: 22 @6601 has 397 MA's), (62, 6697), (69, 6712), (80, 6763), (83, 6772), (91, 6823), (93, 6832), (119, 6928), (134, 6988), (169, 7084), (191, 7165), (199, 7219), (214, 7309), (215, 7312), (235, 7390), (239, 7402), (266, 7504), (278, 7564), (285, 7606), (287, 7618), (299, 7693), (304, 7717), (306, 7723), (311, 7750), (313, 7756), (325, 7798), (433, 8170), (437, 8179), (438, 8182), (458, 8245), (468, 8305), (469, 8308), (470, 8317), (490, 8431), (503, 8476), (507, 8482),

Gene: Quesadilla_11 Start: 7419, Stop: 9299, Start Num: 22

Candidate Starts for Quesadilla_11:
(Start: 22 @7419 has 397 MA's), (Start: 70 @7533 has 2 MA's), (79, 7578), (113, 7725), (116, 7737), (127, 7776), (143, 7836), (169, 7881), (179, 7917), (181, 7932), (199, 8016), (206, 8049), (213, 8094), (214, 8106), (219, 8127), (235, 8196), (239, 8208), (277, 8361), (285, 8412), (311, 8556), (312, 8559), (315, 8568), (331, 8634), (358, 8784), (365, 8808), (432, 8991), (437, 9003), (446, 9021), (468, 9123), (470, 9135), (483, 9204), (500, 9276),

Gene: Quhwah_22 Start: 8789, Stop: 10495, Start Num: 13
Candidate Starts for Quhwah_22:
(Start: 13 @8789 has 37 MA's), (Start: 14 @8798 has 13 MA's), (Start: 46 @8912 has 2 MA's), (48, 8918), (79, 9023), (83, 9035), (100, 9134), (102, 9140), (106, 9152), (120, 9206), (126, 9224), (137, 9278), (146, 9308), (162, 9347), (168, 9365), (169, 9374), (179, 9410), (193, 9473), (203, 9536), (208, 9563), (214, 9608), (252, 9710), (253, 9713), (261, 9752), (266, 9770), (281, 9842), (293, 9908), (294, 9917), (299, 9956), (307, 9989), (314, 10022), (316, 10028), (321, 10058), (346, 10211), (350, 10226), (357, 10247), (358, 10250), (434, 10454), (438, 10463),

Gene: Quisquiliae_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Quisquiliae_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Qyrzula_12 Start: 7818, Stop: 9707, Start Num: 22
Candidate Starts for Qyrzula_12:
(Start: 22 @7818 has 397 MA's), (38, 7866), (Start: 46 @7890 has 2 MA's), (56, 7908), (Start: 70 @7941 has 2 MA's), (91, 8049), (110, 8133), (129, 8196), (138, 8232), (158, 8283), (165, 8295), (169, 8316), (191, 8394), (193, 8403), (199, 8448), (214, 8538), (215, 8541), (217, 8547), (219, 8559), (222, 8574), (223, 8586), (251, 8670), (258, 8703), (262, 8721), (273, 8766), (285, 8835), (287, 8847), (299, 8922), (304, 8946), (306, 8952), (311, 8979), (315, 8991), (317, 8997), (325, 9027), (326, 9030), (331, 9057), (339, 9123), (341, 9132), (358, 9207), (370, 9243), (395, 9288), (442, 9426), (443, 9429), (449, 9441), (467, 9528), (469, 9537), (470, 9546), (472, 9561), (478, 9591), (482, 9609), (485, 9624), (490, 9651), (493, 9663), (507, 9699),

Gene: Racecar_77 Start: 33689, Stop: 35374, Start Num: 25
Candidate Starts for Racecar_77:
(Start: 25 @33689 has 1 MA's), (Start: 27 @33695 has 1 MA's), (56, 33800), (88, 33923), (90, 33935), (126, 34058), (193, 34310), (199, 34355), (233, 34511), (238, 34520), (241, 34532), (252, 34568), (257, 34589), (293, 34766), (361, 35120), (384, 35186), (388, 35192), (426, 35318), (430, 35327), (440, 35363),

Gene: RagingRooster_11 Start: 6315, Stop: 8219, Start Num: 22
Candidate Starts for RagingRooster_11:
(Start: 22 @6315 has 397 MA's), (31, 6342), (63, 6423), (80, 6486), (92, 6552), (99, 6585), (129, 6693), (155, 6783), (178, 6861), (193, 6918), (201, 6972), (214, 7053), (219, 7074), (223, 7101), (242, 7152), (244, 7161), (247, 7170), (285, 7347), (287, 7359), (299, 7434), (304, 7458), (309, 7479), (330, 7563), (352, 7701), (358, 7719), (366, 7746), (379, 7770), (447, 7944), (469, 8049), (470, 8058), (475, 8085), (493, 8175), (500, 8199), (505, 8211),

Gene: Ramiel05_19 Start: 8475, Stop: 10151, Start Num: 13
Candidate Starts for Ramiel05_19:

(Start: 13 @8475 has 37 MA's), (Start: 14 @8484 has 13 MA's), (Start: 46 @8598 has 2 MA's), (48, 8604), (79, 8709), (83, 8721), (100, 8820), (102, 8826), (106, 8838), (120, 8892), (126, 8910), (137, 8964), (146, 8994), (162, 9033), (168, 9051), (169, 9060), (179, 9096), (193, 9159), (203, 9222), (208, 9249), (252, 9396), (253, 9399), (261, 9438), (266, 9456), (281, 9528), (293, 9594), (294, 9603), (307, 9675), (314, 9708), (316, 9714), (321, 9744), (325, 9759), (346, 9897), (350, 9912), (357, 9933), (358, 9936),

Gene: RawrgerThat_9 Start: 6757, Stop: 8628, Start Num: 28
Candidate Starts for RawrgerThat_9:
(Start: 22 @6742 has 397 MA's), (Start: 28 @6757 has 5 MA's), (62, 6838), (69, 6853), (80, 6904), (83, 6913), (91, 6964), (119, 7069), (134, 7129), (169, 7225), (190, 7303), (191, 7306), (199, 7360), (214, 7450), (215, 7453), (235, 7531), (239, 7543), (266, 7645), (278, 7705), (285, 7747), (287, 7759), (304, 7858), (306, 7864), (311, 7891), (313, 7897), (325, 7939), (331, 7969), (433, 8308), (437, 8317), (438, 8320), (455, 8359), (458, 8383), (468, 8443), (469, 8446), (470, 8455), (490, 8569), (503, 8614), (507, 8620),

Gene: RedMaple_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for RedMaple_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: ReginaGlobina_75 Start: 31755, Stop: 33383, Start Num: 27
Candidate Starts for ReginaGlobina_75:
(Start: 27 @31755 has 1 MA's), (90, 31995), (137, 32172), (193, 32370), (221, 32532), (238, 32574), (241, 32586), (252, 32622), (288, 32802), (303, 32889), (321, 32967), (368, 33198), (409, 33285), (426, 33333), (440, 33372),

Gene: Reprobate_10 Start: 6968, Stop: 8833, Start Num: 22
Candidate Starts for Reprobate_10:
(Start: 22 @6968 has 397 MA's), (Start: 28 @6983 has 5 MA's), (74, 7088), (79, 7124), (83, 7136), (84, 7145), (99, 7223), (110, 7268), (132, 7343), (134, 7349), (175, 7448), (179, 7460), (181, 7475), (193, 7514), (199, 7559), (206, 7592), (215, 7652), (219, 7670), (256, 7796), (266, 7844), (270, 7868), (278, 7904), (285, 7946), (299, 8033), (304, 8057), (311, 8090), (315, 8102), (318, 8114), (325, 8138), (358, 8318), (381, 8369), (439, 8537), (449, 8555), (453, 8567), (456, 8591), (468, 8657), (487, 8762), (507, 8825), (508, 8828),

Gene: Rhinoforte_12 Start: 7845, Stop: 9734, Start Num: 22
Candidate Starts for Rhinoforte_12:
(Start: 22 @7845 has 397 MA's), (38, 7893), (Start: 46 @7917 has 2 MA's), (56, 7935), (Start: 70 @7968 has 2 MA's), (91, 8076), (110, 8160), (129, 8223), (138, 8259), (158, 8310), (165, 8322), (169, 8343), (191, 8421), (193, 8430), (199, 8475), (214, 8565), (215, 8568), (217, 8574), (219, 8586), (222, 8601), (223, 8613), (251, 8697), (258, 8730), (262, 8748), (273, 8793), (285, 8862), (287, 8874), (299, 8949), (304, 8973), (306, 8979), (311, 9006), (315, 9018), (317, 9024), (325, 9054), (326, 9057), (331, 9084), (339, 9150), (341, 9159), (358, 9234), (370, 9270), (395, 9315), (442, 9453), (443, 9456), (449, 9468), (467, 9555), (469, 9564), (470, 9573), (472, 9588), (478, 9618), (482, 9636), (485, 9651), (490, 9678), (493, 9690), (507, 9726),

Gene: Ribeye_13 Start: 6470, Stop: 8098, Start Num: 7
Candidate Starts for Ribeye_13:

(Start: 7 @6470 has 97 MA's), (32, 6593), (41, 6614), (59, 6671), (78, 6734), (84, 6764), (99, 6827), (106, 6854), (166, 7022), (188, 7109), (195, 7148), (199, 7172), (203, 7190), (206, 7205), (207, 7211), (218, 7274), (252, 7346), (260, 7385), (273, 7451), (279, 7481), (286, 7526), (289, 7541), (290, 7544), (295, 7580), (304, 7628), (307, 7637), (312, 7664), (320, 7691), (330, 7736), (340, 7811), (345, 7841), (349, 7859), (364, 7898), (367, 7904), (376, 7919), (385, 7940), (389, 7946), (412, 7982), (419, 8015),

Gene: Rich_10 Start: 6696, Stop: 8564, Start Num: 22
Candidate Starts for Rich_10:
(Start: 22 @6696 has 397 MA's), (31, 6720), (74, 6816), (79, 6852), (83, 6864), (128, 7050), (132, 7071), (134, 7077), (179, 7188), (181, 7203), (193, 7242), (215, 7380), (219, 7398), (235, 7458), (270, 7596), (285, 7674), (287, 7686), (292, 7704), (304, 7785), (311, 7818), (315, 7830), (318, 7842), (325, 7866), (363, 8064), (373, 8085), (431, 8244), (438, 8265), (439, 8268), (449, 8286), (468, 8388), (479, 8448), (507, 8556), (508, 8559),

Gene: Ricotta_8 Start: 4440, Stop: 6359, Start Num: 22
Candidate Starts for Ricotta_8:
(Start: 22 @4440 has 397 MA's), (Start: 28 @4455 has 5 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: Riggan_8 Start: 4445, Stop: 6364, Start Num: 22
Candidate Starts for Riggan_8:
(Start: 22 @4445 has 397 MA's), (Start: 28 @4460 has 5 MA's), (Start: 64 @4556 has 5 MA's), (72, 4571), (92, 4682), (127, 4814), (132, 4838), (134, 4844), (136, 4856), (140, 4868), (192, 5033), (212, 5159), (213, 5162), (214, 5174), (217, 5183), (219, 5195), (232, 5258), (236, 5267), (247, 5303), (253, 5321), (256, 5330), (266, 5378), (284, 5474), (285, 5480), (293, 5516), (299, 5564), (304, 5588), (343, 5783), (366, 5876), (458, 6128), (482, 6263), (490, 6305), (493, 6317),

Gene: Rimu_8 Start: 4563, Stop: 6356, Start Num: 72
Candidate Starts for Rimu_8:
(Start: 22 @4437 has 397 MA's), (Start: 64 @4548 has 5 MA's), (72, 4563), (92, 4674), (127, 4806), (132, 4830), (134, 4836), (136, 4848), (140, 4860), (192, 5025), (212, 5151), (213, 5154), (214, 5166), (217, 5175), (219, 5187), (232, 5250), (236, 5259), (247, 5295), (253, 5313), (256, 5322), (266, 5370), (284, 5466), (285, 5472), (293, 5508), (299, 5556), (304, 5580), (343, 5775), (366, 5868), (458, 6120), (482, 6255), (490, 6297), (493, 6309),

Gene: Rinkes_13 Start: 8554, Stop: 10458, Start Num: 22
Candidate Starts for Rinkes_13:
(Start: 22 @8554 has 397 MA's), (86, 8749), (91, 8779), (113, 8878), (127, 8929), (155, 9022), (204, 9211), (211, 9247), (214, 9280), (215, 9283), (219, 9301), (221, 9307), (232, 9355), (236, 9364), (244, 9391), (260, 9454), (261, 9457), (262, 9463), (266, 9475), (278, 9535), (285, 9577), (286, 9583), (303, 9682), (307, 9694), (311, 9718), (312, 9721), (315, 9730), (330, 9790), (337, 9847), (338, 9859), (341, 9871), (401, 10036), (431, 10141), (437, 10156), (449, 10180), (460, 10234), (468, 10282), (469, 10285), (470, 10294), (483, 10363), (485, 10372), (493, 10411), (496, 10423), (508, 10453),

Gene: Rita130_10 Start: 6695, Stop: 8560, Start Num: 22
Candidate Starts for Rita130_10:
(Start: 22 @6695 has 397 MA's), (Start: 28 @6710 has 5 MA's), (45, 6752), (79, 6848), (83, 6860), (128, 7046), (130, 7058), (132, 7067), (179, 7184), (181, 7199), (193, 7238), (215, 7376), (219, 7394), (235, 7454), (270, 7592), (278, 7628), (285, 7670), (287, 7682), (299, 7757), (304, 7781), (311, 7814), (315, 7826), (318, 7838), (325, 7862), (358, 8042), (363, 8060), (431, 8240), (438, 8261), (449, 8282),

(468, 8384), (479, 8444), (507, 8552), (508, 8555),

Gene: Rita1961_11 Start: 6315, Stop: 8219, Start Num: 22
Candidate Starts for Rita1961_11:
(Start: 22 @6315 has 397 MA's), (31, 6342), (63, 6423), (80, 6486), (92, 6552), (99, 6585), (129, 6693), (155, 6783), (178, 6861), (193, 6918), (201, 6972), (214, 7053), (219, 7074), (223, 7101), (242, 7152), (244, 7161), (247, 7170), (285, 7347), (287, 7359), (299, 7434), (304, 7458), (309, 7479), (330, 7563), (352, 7701), (358, 7719), (366, 7746), (379, 7770), (443, 7935), (447, 7944), (469, 8049), (470, 8058), (475, 8085), (493, 8175), (494, 8178), (500, 8199), (505, 8211),

Gene: RiverRaider_13 Start: 6026, Stop: 7657, Start Num: 7
Candidate Starts for RiverRaider_13:
(Start: 7 @6026 has 97 MA's), (59, 6227), (78, 6290), (99, 6383), (115, 6440), (161, 6566), (166, 6578), (196, 6707), (199, 6728), (203, 6746), (206, 6761), (207, 6767), (252, 6902), (260, 6941), (266, 6962), (273, 7007), (279, 7037), (286, 7082), (289, 7097), (290, 7100), (295, 7136), (307, 7193), (312, 7220), (320, 7247), (336, 7346), (337, 7349), (339, 7364), (344, 7388), (345, 7397), (349, 7415), (354, 7430), (364, 7454), (375, 7472), (376, 7475), (385, 7496), (396, 7517), (412, 7541), (418, 7568), (427, 7607),

Gene: RoadKill_11 Start: 5257, Stop: 6933, Start Num: 7
Candidate Starts for RoadKill_11:
(Start: 7 @5257 has 97 MA's), (11, 5290), (26, 5368), (42, 5422), (78, 5554), (84, 5584), (102, 5662), (109, 5680), (130, 5761), (162, 5833), (166, 5842), (180, 5902), (203, 6010), (205, 6022), (206, 6025), (207, 6031), (252, 6166), (253, 6169), (266, 6226), (279, 6301), (286, 6346), (290, 6364), (294, 6385), (299, 6424), (304, 6448), (309, 6469), (312, 6484), (326, 6535), (330, 6556), (345, 6661), (353, 6691), (363, 6715), (364, 6718), (400, 6796),

Gene: RobsFeet_21 Start: 8347, Stop: 10041, Start Num: 13
Candidate Starts for RobsFeet_21:
(Start: 13 @8347 has 37 MA's), (Start: 14 @8356 has 13 MA's), (48, 8479), (79, 8584), (83, 8596), (100, 8695), (120, 8767), (126, 8785), (162, 8908), (167, 8920), (168, 8926), (169, 8935), (179, 8971), (193, 9034), (203, 9097), (208, 9124), (214, 9169), (237, 9220), (252, 9271), (253, 9274), (261, 9313), (263, 9322), (266, 9331), (273, 9364), (281, 9403), (293, 9469), (294, 9478), (295, 9493), (299, 9517), (314, 9583), (316, 9589), (321, 9616), (346, 9769), (358, 9808), (364, 9829), (383, 9874), (438, 10021),

Gene: Robyn_8 Start: 4443, Stop: 6362, Start Num: 22
Candidate Starts for Robyn_8:
(Start: 22 @4443 has 397 MA's), (Start: 28 @4458 has 5 MA's), (Start: 64 @4554 has 5 MA's), (72, 4569), (92, 4680), (127, 4812), (132, 4836), (134, 4842), (136, 4854), (140, 4866), (192, 5031), (212, 5157), (213, 5160), (214, 5172), (217, 5181), (219, 5193), (232, 5256), (236, 5265), (247, 5301), (253, 5319), (256, 5328), (266, 5376), (284, 5472), (285, 5478), (293, 5514), (299, 5562), (304, 5586), (343, 5781), (366, 5874), (458, 6126), (482, 6261), (490, 6303), (493, 6315),

Gene: Rockabye_78 Start: 34436, Stop: 36061, Start Num: 27
Candidate Starts for Rockabye_78:
(Start: 27 @34436 has 1 MA's), (58, 34544), (88, 34661), (90, 34673), (106, 34742), (168, 34934), (212, 35168), (233, 35243), (253, 35303), (282, 35444), (293, 35498), (294, 35507), (303, 35567), (350, 35819), (361, 35852), (388, 35924), (400, 35951), (440, 36050),

Gene: Rofo_12 Start: 7025, Stop: 8647, Start Num: 7
Candidate Starts for Rofo_12:
(Start: 7 @7025 has 97 MA's), (50, 7184), (59, 7223), (78, 7286), (99, 7379), (106, 7406), (118, 7445), (166, 7574), (180, 7634), (196, 7703), (199, 7724), (203, 7742), (206, 7757), (207, 7763), (218, 7826), (248, 7886), (252, 7898), (260, 7937), (263, 7949), (266, 7958), (273, 8003), (279, 8033), (286, 8078),

(289, 8093), (290, 8096), (295, 8132), (304, 8180), (307, 8189), (312, 8216), (345, 8393), (364, 8450), (367, 8456), (376, 8471), (385, 8492), (389, 8498), (412, 8534), (418, 8561),

Gene: RogerDodger_13 Start: 5819, Stop: 7405, Start Num: 7
Candidate Starts for RogerDodger_13:
(Start: 7 @5819 has 97 MA's), (47, 5963), (71, 6035), (85, 6101), (91, 6134), (118, 6218), (125, 6239), (128, 6254), (190, 6428), (192, 6434), (198, 6470), (201, 6494), (202, 6497), (210, 6536), (230, 6608), (252, 6668), (253, 6671), (254, 6674), (261, 6710), (263, 6719), (265, 6725), (266, 6728), (279, 6791), (286, 6836), (293, 6866), (299, 6914), (312, 6971), (318, 6992), (325, 7019), (326, 7022), (331, 7049), (337, 7100), (345, 7148),

Gene: Roliet_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Roliet_8:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: RomaT_11 Start: 7077, Stop: 8981, Start Num: 22
Candidate Starts for RomaT_11:
(Start: 22 @7077 has 397 MA's), (31, 7104), (63, 7185), (80, 7248), (92, 7314), (99, 7347), (129, 7455), (155, 7545), (178, 7623), (193, 7680), (201, 7734), (214, 7815), (219, 7836), (223, 7863), (242, 7914), (244, 7923), (247, 7932), (285, 8109), (287, 8121), (299, 8196), (304, 8220), (309, 8241), (330, 8325), (352, 8463), (358, 8481), (366, 8508), (379, 8532), (443, 8697), (447, 8706), (469, 8811), (470, 8820), (475, 8847), (493, 8937), (500, 8961), (505, 8973),

Gene: Roscoe_9 Start: 4676, Stop: 6595, Start Num: 22
Candidate Starts for Roscoe_9:
(Start: 22 @4676 has 397 MA's), (Start: 64 @4787 has 5 MA's), (72, 4802), (92, 4913), (127, 5045), (132, 5069), (134, 5075), (136, 5087), (140, 5099), (192, 5264), (212, 5390), (213, 5393), (214, 5405), (217, 5414), (219, 5426), (232, 5489), (236, 5498), (247, 5534), (253, 5552), (256, 5561), (266, 5609), (284, 5705), (285, 5711), (293, 5747), (299, 5795), (304, 5819), (343, 6014), (366, 6107), (458, 6359), (482, 6494), (490, 6536), (493, 6548),

Gene: Rosebush_12 Start: 7845, Stop: 9734, Start Num: 22
Candidate Starts for Rosebush_12:
(Start: 22 @7845 has 397 MA's), (38, 7893), (Start: 46 @7917 has 2 MA's), (56, 7935), (Start: 70 @7968 has 2 MA's), (91, 8076), (110, 8160), (129, 8223), (138, 8259), (158, 8310), (165, 8322), (169, 8343), (191, 8421), (193, 8430), (199, 8475), (214, 8565), (215, 8568), (217, 8574), (219, 8586), (222, 8601), (223, 8613), (251, 8697), (258, 8730), (262, 8748), (273, 8793), (285, 8862), (287, 8874), (299, 8949), (304, 8973), (306, 8979), (311, 9006), (315, 9018), (317, 9024), (325, 9054), (326, 9057), (331, 9084), (339, 9150), (341, 9159), (358, 9234), (370, 9270), (395, 9315), (442, 9453), (443, 9456), (449, 9468), (467, 9555), (469, 9564), (470, 9573), (472, 9588), (478, 9618), (482, 9636), (485, 9651), (490, 9678), (493, 9690), (507, 9726),

Gene: Roy17_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Roy17_8:
(Start: 22 @4442 has 397 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: SDcharge11_8 Start: 4440, Stop: 6353, Start Num: 22
Candidate Starts for SDcharge11_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6117), (482, 6252), (490, 6294), (493, 6306),

Gene: SJReid_81 Start: 34914, Stop: 36533, Start Num: 27
Candidate Starts for SJReid_81:
(Start: 27 @34914 has 1 MA's), (56, 35016), (58, 35022), (90, 35151), (139, 35334), (249, 35763), (253, 35775), (257, 35793), (293, 35970), (303, 36039), (350, 36291), (361, 36324), (388, 36396), (400, 36423), (426, 36480), (440, 36522),

Gene: Sabella_12 Start: 7728, Stop: 9617, Start Num: 22
Candidate Starts for Sabella_12:
(Start: 22 @7728 has 397 MA's), (38, 7776), (Start: 46 @7800 has 2 MA's), (56, 7818), (Start: 70 @7851 has 2 MA's), (91, 7959), (110, 8043), (129, 8106), (138, 8142), (158, 8193), (165, 8205), (169, 8226), (191, 8304), (193, 8313), (199, 8358), (214, 8448), (215, 8451), (217, 8457), (219, 8469), (222, 8484), (223, 8496), (251, 8580), (258, 8613), (262, 8631), (273, 8676), (285, 8745), (287, 8757), (299, 8832), (304, 8856), (306, 8862), (311, 8889), (315, 8901), (317, 8907), (325, 8937), (326, 8940), (331, 8967), (339, 9033), (341, 9042), (358, 9117), (370, 9153), (395, 9198), (442, 9336), (443, 9339), (449, 9351), (467, 9438), (469, 9447), (470, 9456), (472, 9471), (478, 9501), (482, 9519), (485, 9534), (490, 9561), (493, 9573), (507, 9609),

Gene: Saguaro_11 Start: 7627, Stop: 9525, Start Num: 22
Candidate Starts for Saguaro_11:
(Start: 22 @7627 has 397 MA's), (Start: 70 @7741 has 2 MA's), (83, 7798), (91, 7849), (99, 7888), (113, 7948), (116, 7960), (124, 7984), (136, 8041), (169, 8104), (179, 8140), (193, 8194), (199, 8239), (204, 8260), (206, 8272), (214, 8329), (219, 8350), (223, 8377), (228, 8398), (235, 8419), (239, 8431), (251, 8470), (254, 8479), (263, 8524), (266, 8533), (270, 8557), (285, 8635), (287, 8647), (299, 8722), (304, 8746), (315, 8791), (325, 8827), (330, 8851), (348, 8974), (358, 9007), (364, 9028), (485, 9439), (489, 9463), (490, 9466), (503, 9511),

Gene: Salvador_12 Start: 5434, Stop: 7020, Start Num: 7
Candidate Starts for Salvador_12:
(Start: 7 @5434 has 97 MA's), (79, 5686), (85, 5716), (118, 5833), (125, 5854), (128, 5869), (190, 6043), (198, 6085), (201, 6109), (202, 6112), (210, 6151), (230, 6223), (252, 6283), (253, 6286), (254, 6289), (261, 6325), (263, 6334), (265, 6340), (266, 6343), (279, 6406), (286, 6451), (293, 6481), (299, 6529), (312, 6586), (318, 6607), (325, 6634), (326, 6637), (331, 6664), (337, 6715), (345, 6763),

Gene: Samaymay_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Samaymay_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Sampson_14 Start: 6902, Stop: 8572, Start Num: 7
Candidate Starts for Sampson_14:

(Start: 7 @6902 has 97 MA's), (17, 6977), (Start: 21 @6998 has 1 MA's), (30, 7025), (55, 7112), (78, 7193), (84, 7223), (85, 7232), (104, 7307), (109, 7319), (119, 7355), (130, 7400), (162, 7472), (166, 7481), (194, 7592), (199, 7631), (201, 7640), (203, 7649), (205, 7661), (206, 7664), (207, 7670), (230, 7745), (248, 7793), (252, 7805), (276, 7925), (279, 7940), (286, 7985), (294, 8024), (301, 8075), (309, 8108), (311, 8120), (312, 8123), (320, 8150), (326, 8174), (337, 8252), (345, 8303), (353, 8333), (355, 8339), (377, 8396), (400, 8441),

Gene: Sanjuju_11 Start: 6983, Stop: 8605, Start Num: 7
Candidate Starts for Sanjuju_11:
(Start: 7 @6983 has 97 MA's), (32, 7103), (50, 7142), (59, 7181), (78, 7244), (99, 7337), (106, 7364), (118, 7403), (166, 7532), (180, 7592), (196, 7661), (199, 7682), (203, 7700), (206, 7715), (207, 7721), (218, 7784), (248, 7844), (252, 7856), (260, 7895), (263, 7907), (266, 7916), (269, 7949), (273, 7961), (279, 7991), (286, 8036), (289, 8051), (290, 8054), (295, 8090), (304, 8138), (307, 8147), (312, 8174), (345, 8351), (364, 8408), (367, 8414), (376, 8429), (385, 8450), (389, 8456), (412, 8492), (418, 8519),

Gene: Saronaya_12 Start: 6272, Stop: 7900, Start Num: 7
Candidate Starts for Saronaya_12:
(Start: 7 @6272 has 97 MA's), (32, 6395), (41, 6416), (59, 6473), (78, 6536), (84, 6566), (99, 6629), (106, 6656), (166, 6824), (188, 6911), (195, 6950), (199, 6974), (203, 6992), (206, 7007), (207, 7013), (218, 7076), (252, 7148), (260, 7187), (273, 7253), (279, 7283), (286, 7328), (289, 7343), (290, 7346), (295, 7382), (304, 7430), (307, 7439), (312, 7466), (320, 7493), (330, 7538), (340, 7613), (345, 7643), (349, 7661), (364, 7700), (367, 7706), (376, 7721), (385, 7742), (389, 7748), (412, 7784), (419, 7817),

Gene: SassyCat97_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for SassyCat97_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Savannah_19 Start: 8499, Stop: 10175, Start Num: 13
Candidate Starts for Savannah_19:
(Start: 13 @8499 has 37 MA's), (Start: 14 @8508 has 13 MA's), (Start: 46 @8622 has 2 MA's), (48, 8628), (79, 8733), (83, 8745), (100, 8844), (102, 8850), (106, 8862), (120, 8916), (126, 8934), (137, 8988), (146, 9018), (162, 9057), (168, 9075), (169, 9084), (179, 9120), (193, 9183), (203, 9246), (208, 9273), (252, 9420), (253, 9423), (261, 9462), (266, 9480), (281, 9552), (293, 9618), (294, 9627), (307, 9699), (314, 9732), (316, 9738), (321, 9768), (325, 9783), (346, 9921), (350, 9936), (357, 9957), (358, 9960),

Gene: Savbucketdawg_12 Start: 5267, Stop: 6853, Start Num: 7
Candidate Starts for Savbucketdawg_12:
(Start: 7 @5267 has 97 MA's), (32, 5381), (85, 5549), (119, 5669), (125, 5687), (128, 5702), (182, 5852), (192, 5882), (201, 5942), (202, 5945), (210, 5984), (230, 6056), (252, 6116), (253, 6119), (254, 6122), (261, 6158), (263, 6167), (265, 6173), (266, 6176), (279, 6239), (286, 6284), (293, 6314), (299, 6362), (312, 6419), (318, 6440), (320, 6446), (325, 6467), (326, 6470), (331, 6497), (337, 6548), (345, 6596),

Gene: Schadenfreude_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Schadenfreude_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253,

5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: SchottB_11 Start: 6448, Stop: 8076, Start Num: 7
Candidate Starts for SchottB_11:
(Start: 7 @6448 has 97 MA's), (32, 6571), (41, 6592), (59, 6649), (78, 6712), (84, 6742), (99, 6805), (106, 6832), (166, 7000), (188, 7087), (195, 7126), (199, 7150), (203, 7168), (206, 7183), (207, 7189), (218, 7252), (252, 7324), (260, 7363), (273, 7429), (279, 7459), (286, 7504), (289, 7519), (290, 7522), (295, 7558), (304, 7606), (307, 7615), (312, 7642), (320, 7669), (330, 7714), (340, 7789), (345, 7819), (349, 7837), (364, 7876), (367, 7882), (376, 7897), (385, 7918), (389, 7924), (412, 7960), (419, 7993),

Gene: Schueller_8 Start: 4552, Stop: 6360, Start Num: 64
Candidate Starts for Schueller_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Scioto_14 Start: 6957, Stop: 8627, Start Num: 7
Candidate Starts for Scioto_14:
(Start: 7 @6957 has 97 MA's), (17, 7032), (Start: 21 @7053 has 1 MA's), (30, 7080), (55, 7167), (78, 7248), (84, 7278), (85, 7287), (104, 7362), (109, 7374), (119, 7410), (130, 7455), (162, 7527), (166, 7536), (194, 7647), (199, 7686), (201, 7695), (203, 7704), (205, 7716), (206, 7719), (207, 7725), (230, 7800), (248, 7848), (252, 7860), (276, 7980), (279, 7995), (286, 8040), (294, 8079), (301, 8130), (309, 8163), (311, 8175), (312, 8178), (320, 8205), (326, 8229), (337, 8307), (345, 8358), (353, 8388), (355, 8394), (377, 8451), (400, 8496),

Gene: Scoot17C_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Scoot17C_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Scrick_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Scrick_8:
(Start: 22 @4442 has 397 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Scumberland_21 Start: 8659, Stop: 10365, Start Num: 13
Candidate Starts for Scumberland_21:
(Start: 13 @8659 has 37 MA's), (Start: 14 @8668 has 13 MA's), (15, 8683), (Start: 46 @8782 has 2 MA's), (48, 8788), (79, 8893), (83, 8905), (100, 9004), (102, 9010), (120, 9076), (126, 9094), (137, 9148), (146, 9178), (162, 9217), (168, 9235), (169, 9244), (179, 9280), (193, 9343), (203, 9406), (208, 9433), (214, 9478), (252, 9580), (253, 9583), (261, 9622), (266, 9640), (281, 9712), (293, 9778), (294, 9787), (299, 9826), (307, 9859), (314, 9892), (316, 9898), (321, 9928), (346, 10081), (350, 10096), (357, 10117), (358, 10120), (438, 10333),

Gene: Sedona_13 Start: 7991, Stop: 9613, Start Num: 7
Candidate Starts for Sedona_13:
(Start: 7 @7991 has 97 MA's), (50, 8150), (59, 8189), (78, 8252), (99, 8345), (106, 8372), (118, 8411), (166, 8540), (180, 8600), (196, 8669), (199, 8690), (203, 8708), (206, 8723), (207, 8729), (218, 8792), (248, 8852), (252, 8864), (260, 8903), (263, 8915), (266, 8924), (269, 8957), (273, 8969), (279, 8999), (286, 9044), (289, 9059), (290, 9062), (295, 9098), (304, 9146), (307, 9155), (312, 9182), (345, 9359), (364, 9416), (367, 9422), (376, 9437), (385, 9458), (389, 9464), (412, 9500), (418, 9527),

Gene: Sejanus_7 Start: 4088, Stop: 6055, Start Num: 18
Candidate Starts for Sejanus_7:
(Start: 18 @4088 has 7 MA's), (Start: 22 @4106 has 397 MA's), (49, 4184), (56, 4214), (63, 4232), (91, 4355), (116, 4451), (119, 4460), (131, 4511), (166, 4610), (175, 4655), (191, 4715), (193, 4724), (199, 4769), (204, 4790), (213, 4847), (216, 4865), (234, 4946), (240, 4967), (245, 4979), (247, 4988), (251, 5000), (262, 5051), (263, 5054), (270, 5087), (285, 5165), (287, 5177), (293, 5201), (303, 5273), (304, 5276), (325, 5357), (340, 5456), (345, 5486), (358, 5537), (442, 5771), (461, 5837), (462, 5846), (469, 5882), (472, 5906), (487, 5984), (490, 5996), (507, 6047), (508, 6050),

Gene: Selr12_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Selr12_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Selwyn23_21 Start: 8668, Stop: 10344, Start Num: 13
Candidate Starts for Selwyn23_21:
(Start: 13 @8668 has 37 MA's), (Start: 14 @8677 has 13 MA's), (15, 8692), (Start: 46 @8791 has 2 MA's), (48, 8797), (79, 8902), (83, 8914), (100, 9013), (102, 9019), (106, 9031), (120, 9085), (126, 9103), (137, 9157), (146, 9187), (162, 9226), (168, 9244), (169, 9253), (179, 9289), (193, 9352), (203, 9415), (208, 9442), (252, 9589), (253, 9592), (261, 9631), (266, 9649), (281, 9721), (293, 9787), (294, 9796), (307, 9868), (314, 9901), (316, 9907), (321, 9937), (325, 9952), (346, 10090), (350, 10105), (357, 10126), (358, 10129),

Gene: Serendipitous_10 Start: 6747, Stop: 8612, Start Num: 22
Candidate Starts for Serendipitous_10:
(Start: 22 @6747 has 397 MA's), (Start: 28 @6762 has 5 MA's), (79, 6900), (83, 6912), (93, 6972), (110, 7044), (132, 7119), (134, 7125), (179, 7236), (181, 7251), (185, 7263), (193, 7290), (215, 7428), (219, 7446), (235, 7506), (270, 7644), (278, 7680), (285, 7722), (287, 7734), (299, 7809), (304, 7833), (311, 7866), (315, 7878), (318, 7890), (325, 7914), (358, 8094), (363, 8112), (449, 8334), (468, 8436), (490, 8553),

Gene: Serendipity_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Serendipity_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Serpentine_008 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Serpentine_008:

(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Shatter_8 Start: 5303, Stop: 7141, Start Num: 22
Candidate Starts for Shatter_8:
(Start: 22 @5303 has 397 MA's), (Start: 39 @5351 has 2 MA's), (Start: 70 @5417 has 2 MA's), (79, 5459), (106, 5591), (129, 5654), (134, 5672), (191, 5825), (193, 5834), (199, 5879), (206, 5912), (214, 5969), (215, 5972), (219, 5990), (224, 6023), (231, 6050), (262, 6161), (266, 6173), (268, 6188), (285, 6275), (287, 6287), (299, 6362), (304, 6386), (312, 6422), (314, 6428), (315, 6431), (316, 6434), (325, 6467), (446, 6866), (447, 6869), (449, 6872), (463, 6941), (464, 6947), (469, 6968), (475, 7004), (484, 7049), (487, 7070), (493, 7094), (496, 7106), (500, 7118), (502, 7121),

Gene: Sheila_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Sheila_8:
(Start: 22 @4439 has 397 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Shenyu_10 Start: 6702, Stop: 8567, Start Num: 22
Candidate Starts for Shenyu_10:
(Start: 22 @6702 has 397 MA's), (Start: 28 @6717 has 5 MA's), (79, 6855), (83, 6867), (93, 6927), (101, 6969), (128, 7053), (130, 7065), (132, 7074), (179, 7191), (181, 7206), (193, 7245), (215, 7383), (219, 7401), (232, 7455), (270, 7599), (278, 7635), (285, 7677), (299, 7764), (304, 7788), (311, 7821), (315, 7833), (318, 7845), (325, 7869), (358, 8049), (363, 8067), (431, 8247), (438, 8268), (449, 8289), (468, 8391), (479, 8451), (507, 8559), (508, 8562),

Gene: ShiVal_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for ShiVal_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Shinji_12 Start: 5456, Stop: 7042, Start Num: 7
Candidate Starts for Shinji_12:
(Start: 7 @5456 has 97 MA's), (32, 5570), (85, 5738), (119, 5858), (125, 5876), (128, 5891), (182, 6041), (192, 6071), (201, 6131), (202, 6134), (210, 6173), (230, 6245), (252, 6305), (253, 6308), (254, 6311), (261, 6347), (263, 6356), (265, 6362), (266, 6365), (279, 6428), (286, 6473), (293, 6503), (299, 6551), (312, 6608), (318, 6629), (320, 6635), (325, 6656), (326, 6659), (331, 6686), (337, 6737), (345, 6785),

Gene: Shivanishola_12 Start: 7199, Stop: 8818, Start Num: 7
Candidate Starts for Shivanishola_12:
(Start: 7 @7199 has 97 MA's), (50, 7358), (59, 7397), (78, 7460), (99, 7553), (106, 7580), (118, 7619), (166, 7748), (180, 7808), (196, 7877), (199, 7898), (203, 7916), (206, 7931), (207, 7937), (218, 8000), (252, 8072), (260, 8111), (263, 8123), (266, 8132), (269, 8165), (273, 8177), (279, 8207), (286, 8252), (289, 8267), (290, 8270), (295, 8306), (304, 8354), (307, 8363), (312, 8390), (345, 8567), (364, 8624),

(367, 8630), (376, 8645), (385, 8666), (389, 8672), (412, 8708), (418, 8735),

Gene: Shotgun_19 Start: 8297, Stop: 9973, Start Num: 13
Candidate Starts for Shotgun_19:
(Start: 13 @8297 has 37 MA's), (Start: 14 @8306 has 13 MA's), (Start: 46 @8420 has 2 MA's), (48, 8426), (79, 8531), (83, 8543), (100, 8642), (102, 8648), (106, 8660), (120, 8714), (126, 8732), (137, 8786), (146, 8816), (162, 8855), (168, 8873), (169, 8882), (179, 8918), (193, 8981), (203, 9044), (208, 9071), (252, 9218), (253, 9221), (261, 9260), (266, 9278), (281, 9350), (293, 9416), (294, 9425), (307, 9497), (314, 9530), (316, 9536), (321, 9566), (325, 9581), (346, 9719), (350, 9734), (357, 9755), (358, 9758),

Gene: Shrubaron_20 Start: 7982, Stop: 9676, Start Num: 13
Candidate Starts for Shrubaron_20:
(Start: 13 @7982 has 37 MA's), (Start: 14 @7991 has 13 MA's), (48, 8114), (79, 8219), (83, 8231), (100, 8330), (120, 8402), (126, 8420), (162, 8543), (167, 8555), (168, 8561), (169, 8570), (179, 8606), (193, 8669), (203, 8732), (208, 8759), (214, 8804), (217, 8813), (237, 8855), (252, 8906), (253, 8909), (261, 8948), (263, 8957), (266, 8966), (273, 8999), (281, 9038), (293, 9104), (294, 9113), (295, 9128), (299, 9152), (314, 9218), (316, 9224), (321, 9251), (346, 9404), (358, 9443), (364, 9464), (383, 9509), (438, 9656),

Gene: Sigman_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Sigman_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: SilverBell_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for SilverBell_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Simielle_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Simielle_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: SirFrank_19 Start: 8327, Stop: 10030, Start Num: 13
Candidate Starts for SirFrank_19:
(Start: 13 @8327 has 37 MA's), (Start: 14 @8336 has 13 MA's), (48, 8456), (79, 8561), (83, 8573), (100, 8672), (102, 8678), (105, 8687), (120, 8744), (137, 8816), (144, 8840), (145, 8843), (157, 8867), (162, 8885), (168, 8903), (169, 8912), (179, 8948), (193, 9011), (203, 9074), (208, 9101), (214, 9146), (252, 9248), (253, 9251), (261, 9290), (266, 9308), (281, 9380), (293, 9446), (294, 9455), (299, 9494), (314, 9560), (316, 9566), (321, 9596), (346, 9749), (351, 9767), (358, 9788), (364, 9809), (365, 9812), (375, 9833), (434, 9989),

Gene: SirJeffery_10 Start: 6695, Stop: 8560, Start Num: 22
Candidate Starts for SirJeffery_10:
(Start: 22 @6695 has 397 MA's), (Start: 28 @6710 has 5 MA's), (45, 6752), (79, 6848), (83, 6860), (128, 7046), (130, 7058), (132, 7067), (179, 7184), (181, 7199), (193, 7238), (215, 7376), (219, 7394), (235, 7454), (270, 7592), (278, 7628), (285, 7670), (287, 7682), (299, 7757), (304, 7781), (311, 7814), (315, 7826), (318, 7838), (325, 7862), (358, 8042), (363, 8060), (431, 8240), (438, 8261), (449, 8282), (468, 8384), (479, 8444), (507, 8552), (508, 8555),

Gene: Sisko_7 Start: 5107, Stop: 6948, Start Num: 22
Candidate Starts for Sisko_7:
(Start: 22 @5107 has 397 MA's), (Start: 70 @5221 has 2 MA's), (79, 5263), (91, 5326), (129, 5458), (134, 5476), (165, 5530), (169, 5551), (199, 5683), (206, 5716), (214, 5773), (215, 5776), (219, 5794), (226, 5845), (232, 5866), (262, 5974), (266, 5986), (285, 6088), (312, 6235), (315, 6244), (329, 6301), (414, 6580), (443, 6667), (446, 6673), (463, 6748), (464, 6754), (469, 6775), (484, 6856), (490, 6889), (493, 6901), (500, 6925), (502, 6928),

Gene: Sitar_13 Start: 7365, Stop: 8987, Start Num: 7
Candidate Starts for Sitar_13:
(Start: 7 @7365 has 97 MA's), (50, 7524), (59, 7563), (78, 7626), (106, 7746), (118, 7785), (162, 7905), (166, 7914), (180, 7974), (196, 8043), (199, 8064), (203, 8082), (206, 8097), (207, 8103), (218, 8166), (248, 8226), (252, 8238), (260, 8277), (263, 8289), (266, 8298), (269, 8331), (273, 8343), (279, 8373), (286, 8418), (289, 8433), (290, 8436), (295, 8472), (304, 8520), (307, 8529), (312, 8556), (345, 8733), (364, 8790), (367, 8796), (376, 8811), (385, 8832), (389, 8838), (412, 8874), (418, 8901),

Gene: Sixama_72 Start: 30011, Stop: 31756, Start Num: 23
Candidate Starts for Sixama_72:
(Start: 23 @30011 has 5 MA's), (24, 30017), (26, 30020), (50, 30098), (90, 30251), (99, 30299), (151, 30497), (199, 30740), (200, 30743), (203, 30758), (205, 30770), (209, 30788), (212, 30815), (217, 30836), (219, 30848), (270, 31019), (279, 31058), (287, 31109), (293, 31133), (305, 31208), (306, 31211), (310, 31235), (365, 31505), (390, 31574), (423, 31685), (434, 31733),

Gene: Skippy_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Skippy_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Slatt_8 Start: 4443, Stop: 6362, Start Num: 22
Candidate Starts for Slatt_8:
(Start: 22 @4443 has 397 MA's), (Start: 28 @4458 has 5 MA's), (Start: 64 @4554 has 5 MA's), (72, 4569), (92, 4680), (127, 4812), (132, 4836), (134, 4842), (136, 4854), (140, 4866), (192, 5031), (212, 5157), (213, 5160), (214, 5172), (217, 5181), (219, 5193), (232, 5256), (236, 5265), (247, 5301), (253, 5319), (256, 5328), (266, 5376), (284, 5472), (285, 5478), (293, 5514), (299, 5562), (304, 5586), (343, 5781), (366, 5874), (458, 6126), (482, 6261), (490, 6303), (493, 6315),

Gene: SlippinJimmy_11 Start: 7076, Stop: 8980, Start Num: 22
Candidate Starts for SlippinJimmy_11:
(Start: 22 @7076 has 397 MA's), (31, 7103), (63, 7184), (80, 7247), (92, 7313), (99, 7346), (129, 7454), (155, 7544), (178, 7622), (193, 7679), (201, 7733), (214, 7814), (219, 7835), (223, 7862), (242, 7913), (244, 7922), (247, 7931), (285, 8108), (287, 8120), (299, 8195), (304, 8219), (309, 8240), (330, 8324), (352, 8462), (358, 8480), (366, 8507), (379, 8531), (443, 8696), (447, 8705), (469, 8810), (470, 8819),

(475, 8846), (493, 8936), (494, 8939), (500, 8960), (505, 8972),

Gene: Smarties_28 Start: 10100, Stop: 11824, Start Num: 13
Candidate Starts for Smarties_28:
(Start: 13 @10100 has 37 MA's), (Start: 14 @10109 has 13 MA's), (48, 10229), (79, 10334), (83, 10346), (100, 10445), (120, 10517), (126, 10535), (177, 10715), (179, 10721), (183, 10745), (193, 10784), (203, 10847), (208, 10874), (214, 10919), (252, 11021), (253, 11024), (261, 11063), (263, 11072), (273, 11114), (281, 11153), (293, 11219), (294, 11228), (295, 11243), (299, 11267), (314, 11333), (316, 11339), (321, 11366), (346, 11519), (351, 11537), (364, 11579), (375, 11603), (383, 11624), (410, 11660), (448, 11801), (452, 11813),

Gene: SmokingBunny_12 Start: 5434, Stop: 7020, Start Num: 7
Candidate Starts for SmokingBunny_12:
(Start: 7 @5434 has 97 MA's), (79, 5686), (85, 5716), (118, 5833), (125, 5854), (128, 5869), (190, 6043), (198, 6085), (201, 6109), (202, 6112), (210, 6151), (230, 6223), (252, 6283), (253, 6286), (254, 6289), (261, 6325), (263, 6334), (265, 6340), (266, 6343), (279, 6406), (286, 6451), (293, 6481), (299, 6529), (312, 6586), (318, 6607), (325, 6634), (326, 6637), (331, 6664), (337, 6715), (345, 6763),

Gene: Soile_8 Start: 4440, Stop: 6359, Start Num: 22
Candidate Starts for Soile_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: Solosis_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Solosis_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Soos_37 Start: 17429, Stop: 19387, Start Num: 20
Candidate Starts for Soos_37:
(Start: 20 @17429 has 4 MA's), (33, 17474), (51, 17525), (59, 17552), (107, 17741), (169, 17900), (193, 17993), (205, 18068), (217, 18137), (219, 18149), (220, 18155), (236, 18257), (246, 18290), (263, 18362), (264, 18365), (270, 18395), (279, 18434), (294, 18518), (324, 18662), (325, 18665), (331, 18695), (346, 18803), (356, 18839), (359, 18848), (417, 18983), (442, 19064), (454, 19097), (469, 19187), (498, 19340), (510, 19379),

Gene: Sophia_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Sophia_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Soto_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Soto_8:

(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Sour_11 Start: 6964, Stop: 8784, Start Num: 22
Candidate Starts for Sour_11:
(Start: 22 @6964 has 397 MA's), (Start: 70 @7078 has 2 MA's), (79, 7120), (86, 7153), (91, 7183), (106, 7252), (129, 7315), (134, 7333), (138, 7351), (191, 7486), (199, 7540), (202, 7552), (206, 7573), (214, 7630), (215, 7633), (217, 7639), (219, 7651), (262, 7828), (266, 7840), (268, 7855), (285, 7942), (287, 7954), (299, 8029), (312, 8089), (329, 8155), (333, 8176), (382, 8365), (442, 8509), (447, 8521), (463, 8593), (464, 8599), (469, 8620), (470, 8629), (472, 8644), (487, 8722), (490, 8734), (500, 8770), (502, 8773),

Gene: Spartan300_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Spartan300_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Squid_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Squid_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Squiggle_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Squiggle_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: StAugustine_15 Start: 9397, Stop: 11364, Start Num: 22
Candidate Starts for StAugustine_15:
(Start: 22 @9397 has 397 MA's), (56, 9490), (Start: 70 @9523 has 2 MA's), (79, 9565), (92, 9634), (130, 9784), (161, 9865), (166, 9877), (199, 10030), (217, 10129), (219, 10141), (242, 10234), (258, 10297), (262, 10315), (263, 10318), (285, 10429), (291, 10456), (303, 10537), (304, 10540), (325, 10621), (371, 10840), (435, 11059), (441, 11071), (446, 11083), (458, 11122), (463, 11158), (465, 11170), (469, 11185), (478, 11239), (484, 11266), (499, 11335), (502, 11344),

Gene: Sting_40 Start: 17868, Stop: 19826, Start Num: 20
Candidate Starts for Sting_40:
(Start: 20 @17868 has 4 MA's), (33, 17913), (51, 17964), (59, 17991), (107, 18180), (169, 18339), (193, 18432), (205, 18507), (217, 18576), (219, 18588), (220, 18594), (236, 18696), (246, 18729), (263, 18801), (264, 18804), (270, 18834), (279, 18873), (294, 18957), (324, 19101), (325, 19104), (331, 19134), (346, 19242), (356, 19278), (359, 19287), (417, 19422), (454, 19536), (464, 19605),

(469, 19626), (498, 19779), (510, 19818),

Gene: Stinger_7 Start: 5191, Stop: 7080, Start Num: 22
Candidate Starts for Stinger_7:
(Start: 22 @5191 has 397 MA's), (56, 5272), (69, 5302), (73, 5311), (80, 5353), (83, 5362), (93, 5422), (116, 5509), (119, 5518), (134, 5578), (157, 5638), (169, 5674), (190, 5752), (191, 5755), (199, 5809), (202, 5821), (214, 5899), (215, 5902), (232, 5974), (236, 5983), (266, 6094), (268, 6109), (278, 6154), (285, 6196), (287, 6208), (303, 6304), (304, 6307), (306, 6313), (311, 6340), (313, 6346), (325, 6388), (359, 6571), (367, 6598), (403, 6661), (437, 6769), (438, 6772), (439, 6775), (446, 6787), (456, 6829), (458, 6835), (468, 6895), (469, 6898), (470, 6907), (490, 7021), (498, 7051), (507, 7072),

Gene: StinkyVeggy_11 Start: 6863, Stop: 8728, Start Num: 22
Candidate Starts for StinkyVeggy_11:
(Start: 22 @6863 has 397 MA's), (Start: 28 @6878 has 5 MA's), (79, 7016), (128, 7214), (130, 7226), (132, 7235), (179, 7352), (181, 7367), (193, 7406), (215, 7544), (219, 7562), (270, 7760), (278, 7796), (285, 7838), (299, 7925), (304, 7949), (311, 7982), (315, 7994), (318, 8006), (325, 8030), (358, 8210), (363, 8228), (431, 8408), (438, 8429), (449, 8450), (468, 8552), (479, 8612), (507, 8720), (508, 8723),

Gene: StorminNorm_12 Start: 6275, Stop: 7903, Start Num: 7
Candidate Starts for StorminNorm_12:
(Start: 7 @6275 has 97 MA's), (32, 6398), (41, 6419), (59, 6476), (78, 6539), (84, 6569), (99, 6632), (106, 6659), (166, 6827), (188, 6914), (195, 6953), (199, 6977), (203, 6995), (206, 7010), (207, 7016), (218, 7079), (252, 7151), (260, 7190), (273, 7256), (279, 7286), (286, 7331), (289, 7346), (290, 7349), (295, 7385), (304, 7433), (307, 7442), (312, 7469), (320, 7496), (330, 7541), (337, 7598), (340, 7616), (345, 7646), (349, 7664), (364, 7703), (367, 7709), (376, 7724), (385, 7745), (389, 7751), (412, 7787), (419, 7820),

Gene: Struggle_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Struggle_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Stultus_12 Start: 7189, Stop: 8811, Start Num: 7
Candidate Starts for Stultus_12:
(Start: 7 @7189 has 97 MA's), (50, 7348), (59, 7387), (78, 7450), (99, 7543), (106, 7570), (118, 7609), (166, 7738), (180, 7798), (184, 7813), (196, 7867), (199, 7888), (203, 7906), (206, 7921), (207, 7927), (218, 7990), (248, 8050), (252, 8062), (260, 8101), (263, 8113), (266, 8122), (269, 8155), (273, 8167), (279, 8197), (286, 8242), (289, 8257), (290, 8260), (295, 8296), (304, 8344), (307, 8353), (312, 8380), (345, 8557), (364, 8614), (367, 8620), (376, 8635), (385, 8656), (389, 8662), (412, 8698), (418, 8725),

Gene: Suffolk_8 Start: 4440, Stop: 6359, Start Num: 22
Candidate Starts for Suffolk_8:
(Start: 22 @4440 has 397 MA's), (Start: 28 @4455 has 5 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: Suigeneris_10 Start: 6695, Stop: 8560, Start Num: 22
Candidate Starts for Suigeneris_10:

(Start: 22 @6695 has 397 MA's), (Start: 28 @6710 has 5 MA's), (45, 6752), (79, 6848), (83, 6860), (128, 7046), (130, 7058), (132, 7067), (179, 7184), (181, 7199), (193, 7238), (215, 7376), (219, 7394), (235, 7454), (270, 7592), (278, 7628), (285, 7670), (287, 7682), (299, 7757), (304, 7781), (311, 7814), (315, 7826), (318, 7838), (325, 7862), (358, 8042), (363, 8060), (431, 8240), (438, 8261), (449, 8282), (468, 8384), (479, 8444), (507, 8552), (508, 8555),

Gene: Sunny_20 Start: 8465, Stop: 10132, Start Num: 14
Candidate Starts for Sunny_20:
(2, 8363), (9, 8429), (Start: 13 @8456 has 37 MA's), (Start: 14 @8465 has 13 MA's), (40, 8561), (48, 8585), (79, 8690), (83, 8702), (100, 8801), (120, 8873), (126, 8891), (142, 8966), (145, 8972), (162, 9011), (167, 9023), (169, 9038), (175, 9062), (179, 9074), (184, 9101), (191, 9128), (193, 9137), (208, 9227), (214, 9272), (252, 9374), (253, 9377), (263, 9425), (266, 9434), (281, 9506), (293, 9572), (294, 9581), (316, 9692), (327, 9749), (351, 9893), (355, 9905), (364, 9935), (429, 10103),

Gene: Surely_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Surely_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: SwainyDoc_11 Start: 6312, Stop: 8216, Start Num: 22
Candidate Starts for SwainyDoc_11:
(Start: 22 @6312 has 397 MA's), (31, 6339), (63, 6420), (80, 6483), (92, 6549), (99, 6582), (129, 6690), (155, 6780), (178, 6858), (193, 6915), (201, 6969), (214, 7050), (219, 7071), (223, 7098), (242, 7149), (244, 7158), (247, 7167), (285, 7344), (287, 7356), (299, 7431), (304, 7455), (309, 7476), (330, 7560), (352, 7698), (358, 7716), (366, 7743), (379, 7767), (443, 7932), (447, 7941), (469, 8046), (470, 8055), (475, 8082), (493, 8172), (494, 8175), (500, 8196), (505, 8208),

Gene: Swiphy_8 Start: 4552, Stop: 6360, Start Num: 64
Candidate Starts for Swiphy_8:
(Start: 22 @4441 has 397 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Swish_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Swish_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: SynergyX_11 Start: 6315, Stop: 8219, Start Num: 22
Candidate Starts for SynergyX_11:
(Start: 22 @6315 has 397 MA's), (31, 6342), (63, 6423), (80, 6486), (92, 6552), (99, 6585), (129, 6693), (155, 6783), (178, 6861), (193, 6918), (201, 6972), (214, 7053), (219, 7074), (223, 7101), (242, 7152), (244, 7161), (247, 7170), (285, 7347), (287, 7359), (299, 7434), (304, 7458), (309, 7479), (330, 7563), (352, 7701), (358, 7719), (366, 7746), (379, 7770), (447, 7944), (469, 8049), (470, 8058), (475, 8085), (493, 8175), (500, 8199), (505, 8211),

Gene: TA17A_12 Start: 7728, Stop: 9617, Start Num: 22
Candidate Starts for TA17A_12:
(Start: 22 @7728 has 397 MA's), (38, 7776), (Start: 46 @7800 has 2 MA's), (56, 7818), (Start: 70 @7851 has 2 MA's), (91, 7959), (110, 8043), (129, 8106), (138, 8142), (150, 8172), (158, 8193), (169, 8226), (191, 8304), (193, 8313), (199, 8358), (214, 8448), (215, 8451), (217, 8457), (219, 8469), (222, 8484), (223, 8496), (251, 8580), (258, 8613), (262, 8631), (273, 8676), (285, 8745), (287, 8757), (304, 8856), (306, 8862), (311, 8889), (315, 8901), (317, 8907), (325, 8937), (326, 8940), (331, 8967), (339, 9033), (341, 9042), (358, 9117), (370, 9153), (442, 9336), (443, 9339), (449, 9351), (467, 9438), (469, 9447), (470, 9456), (472, 9471), (478, 9501), (482, 9519), (485, 9534), (490, 9561), (493, 9573), (507, 9609),

Gene: TPA2_17 Start: 7975, Stop: 9807, Start Num: 22
Candidate Starts for TPA2_17:
(Start: 22 @7975 has 397 MA's), (41, 8026), (51, 8044), (79, 8143), (91, 8203), (113, 8272), (116, 8284), (134, 8353), (139, 8374), (140, 8377), (172, 8434), (191, 8506), (193, 8515), (206, 8593), (214, 8650), (215, 8653), (217, 8659), (219, 8671), (235, 8719), (247, 8758), (266, 8833), (270, 8857), (278, 8893), (287, 8947), (296, 9001), (299, 9019), (302, 9034), (311, 9076), (315, 9088), (325, 9124), (336, 9202), (383, 9361), (442, 9523), (446, 9532), (447, 9535), (449, 9538), (464, 9613), (469, 9634), (470, 9643), (472, 9658), (473, 9661), (484, 9715), (487, 9736), (490, 9748), (493, 9760), (496, 9772), (497, 9775),

Gene: Talia1610_76 Start: 33060, Stop: 34739, Start Num: 27
Candidate Starts for Talia1610_76:
(Start: 25 @33054 has 1 MA's), (Start: 27 @33060 has 1 MA's), (56, 33165), (88, 33288), (90, 33300), (126, 33423), (193, 33675), (199, 33720), (206, 33753), (233, 33876), (238, 33885), (241, 33897), (252, 33933), (293, 34131), (303, 34200), (361, 34485), (384, 34551), (388, 34557), (426, 34683), (430, 34692), (440, 34728),

Gene: TallGrassMM_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for TallGrassMM_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Tangent_10 Start: 6017, Stop: 7639, Start Num: 7
Candidate Starts for Tangent_10:
(Start: 7 @6017 has 97 MA's), (50, 6176), (59, 6215), (78, 6278), (99, 6371), (106, 6398), (118, 6437), (162, 6557), (166, 6566), (180, 6626), (196, 6695), (199, 6716), (203, 6734), (206, 6749), (207, 6755), (218, 6818), (248, 6878), (252, 6890), (260, 6929), (263, 6941), (266, 6950), (273, 6995), (279, 7025), (286, 7070), (289, 7085), (290, 7088), (295, 7124), (304, 7172), (307, 7181), (312, 7208), (345, 7385), (364, 7442), (367, 7448), (376, 7463), (385, 7484), (389, 7490), (412, 7526), (418, 7553),

Gene: Tangerine_12 Start: 6284, Stop: 7912, Start Num: 7
Candidate Starts for Tangerine_12:
(Start: 7 @6284 has 97 MA's), (32, 6407), (41, 6428), (59, 6485), (78, 6548), (84, 6578), (99, 6641), (106, 6668), (166, 6836), (188, 6923), (195, 6962), (199, 6986), (203, 7004), (206, 7019), (207, 7025), (218, 7088), (252, 7160), (260, 7199), (273, 7265), (279, 7295), (286, 7340), (289, 7355), (290, 7358), (295, 7394), (304, 7442), (307, 7451), (312, 7478), (320, 7505), (330, 7550), (337, 7607), (340, 7625), (345, 7655), (349, 7673), (364, 7712), (367, 7718), (376, 7733), (385, 7754), (389, 7760), (412, 7796), (419, 7829),

Gene: Taptic_6 Start: 3328, Stop: 5202, Start Num: 18
Candidate Starts for Taptic_6:
(Start: 18 @3328 has 7 MA's), (Start: 22 @3346 has 397 MA's), (Start: 46 @3403 has 2 MA's), (86, 3541), (91, 3571), (103, 3625), (134, 3736), (175, 3865), (191, 3922), (193, 3931), (199, 3976), (203, 3994), (216, 4072), (217, 4075), (247, 4159), (255, 4183), (259, 4207), (285, 4336), (287, 4348), (293, 4372), (299, 4423), (311, 4480), (315, 4492), (346, 4666), (366, 4735), (463, 4987), (490, 5128), (493, 5140), (508, 5182),

Gene: Tardus_14 Start: 5997, Stop: 7670, Start Num: 7
Candidate Starts for Tardus_14:
(Start: 7 @5997 has 97 MA's), (17, 6072), (30, 6120), (55, 6207), (78, 6288), (84, 6318), (119, 6450), (130, 6495), (162, 6567), (166, 6576), (194, 6687), (199, 6726), (203, 6744), (205, 6756), (206, 6759), (207, 6765), (230, 6840), (252, 6900), (276, 7020), (279, 7035), (286, 7080), (294, 7119), (301, 7170), (309, 7203), (311, 7215), (312, 7218), (320, 7245), (326, 7269), (337, 7347), (345, 7398), (353, 7428), (355, 7434), (377, 7491), (400, 7536),

Gene: Teamocil_20 Start: 7583, Stop: 9301, Start Num: 13
Candidate Starts for Teamocil_20:
(Start: 13 @7583 has 37 MA's), (Start: 14 @7592 has 13 MA's), (48, 7712), (79, 7817), (83, 7829), (100, 7928), (106, 7946), (120, 8000), (126, 8018), (136, 8069), (142, 8093), (157, 8123), (167, 8153), (168, 8159), (169, 8168), (179, 8204), (193, 8267), (203, 8330), (208, 8357), (214, 8402), (252, 8504), (253, 8507), (263, 8555), (266, 8564), (273, 8597), (281, 8636), (293, 8702), (294, 8711), (295, 8726), (297, 8735), (299, 8750), (301, 8762), (307, 8783), (314, 8816), (316, 8822), (321, 8852), (331, 8897), (346, 9005), (353, 9029), (364, 9065), (365, 9068), (375, 9089), (383, 9110), (432, 9245), (438, 9257), (447, 9284),

Gene: Telesworld_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Telesworld_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Terij_13 Start: 6017, Stop: 7762, Start Num: 14
Candidate Starts for Terij_13:
(Start: 13 @6008 has 37 MA's), (Start: 14 @6017 has 13 MA's), (36, 6098), (44, 6119), (56, 6155), (61, 6170), (79, 6233), (83, 6245), (84, 6254), (100, 6344), (137, 6488), (151, 6539), (162, 6584), (166, 6593), (175, 6632), (184, 6668), (189, 6689), (191, 6695), (193, 6704), (203, 6767), (208, 6794), (252, 6941), (261, 6983), (263, 6992), (266, 7001), (268, 7016), (273, 7034), (281, 7073), (293, 7139), (294, 7148), (297, 7172), (298, 7184), (299, 7187), (316, 7259), (325, 7310), (328, 7325), (336, 7388), (351, 7469), (357, 7487), (383, 7556), (385, 7559), (407, 7604),

Gene: Thing3_13 Start: 7104, Stop: 8729, Start Num: 7
Candidate Starts for Thing3_13:
(Start: 7 @7104 has 97 MA's), (50, 7263), (59, 7302), (78, 7365), (106, 7485), (118, 7524), (166, 7653), (180, 7713), (196, 7782), (199, 7803), (203, 7821), (206, 7836), (207, 7842), (218, 7905), (248, 7965), (252, 7977), (260, 8016), (263, 8028), (266, 8037), (269, 8070), (273, 8082), (279, 8112), (286, 8157), (289, 8172), (290, 8175), (295, 8211), (304, 8259), (307, 8268), (312, 8295), (345, 8472), (364, 8529), (367, 8535), (376, 8550), (385, 8571), (389, 8577), (412, 8613), (418, 8643),

Gene: Thonko_7 Start: 3729, Stop: 5618, Start Num: 22

Candidate Starts for Thonko_7:
(Start: 22 @3729 has 397 MA's), (45, 3795), (Start: 70 @3852 has 2 MA's), (79, 3897), (127, 4095), (136, 4137), (199, 4347), (201, 4356), (206, 4380), (214, 4437), (217, 4446), (219, 4458), (230, 4506), (242, 4539), (258, 4602), (266, 4632), (299, 4821), (358, 5106), (437, 5325), (446, 5343), (463, 5418), (469, 5445), (496, 5583),

Gene: Thora_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Thora_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: ThreeOh3D2_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for ThreeOh3D2_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Thunderbird_8 Start: 4551, Stop: 6359, Start Num: 64
Candidate Starts for Thunderbird_8:
(Start: 22 @4440 has 397 MA's), (Start: 64 @4551 has 5 MA's), (72, 4566), (92, 4677), (127, 4809), (132, 4833), (134, 4839), (136, 4851), (140, 4863), (192, 5028), (212, 5154), (213, 5157), (214, 5169), (217, 5178), (219, 5190), (232, 5253), (236, 5262), (247, 5298), (253, 5316), (256, 5325), (266, 5373), (284, 5469), (285, 5475), (293, 5511), (299, 5559), (304, 5583), (343, 5778), (366, 5871), (458, 6123), (482, 6258), (490, 6300), (493, 6312),

Gene: Tiamoceli_14 Start: 6640, Stop: 8316, Start Num: 7
Candidate Starts for Tiamoceli_14:
(Start: 7 @6640 has 97 MA's), (11, 6673), (26, 6751), (42, 6805), (78, 6937), (84, 6967), (102, 7045), (109, 7063), (130, 7144), (162, 7216), (166, 7225), (180, 7285), (203, 7393), (205, 7405), (206, 7408), (207, 7414), (252, 7549), (253, 7552), (266, 7609), (279, 7684), (286, 7729), (290, 7747), (294, 7768), (299, 7807), (304, 7831), (309, 7852), (312, 7867), (326, 7918), (330, 7939), (345, 8044), (353, 8074), (363, 8098), (364, 8101), (400, 8179),

Gene: TillyBobJoe_12 Start: 5270, Stop: 6856, Start Num: 7
Candidate Starts for TillyBobJoe_12:
(Start: 7 @5270 has 97 MA's), (32, 5384), (85, 5552), (119, 5672), (125, 5690), (128, 5705), (182, 5855), (192, 5885), (201, 5945), (202, 5948), (210, 5987), (230, 6059), (252, 6119), (253, 6122), (254, 6125), (261, 6161), (263, 6170), (265, 6176), (266, 6179), (279, 6242), (286, 6287), (293, 6317), (299, 6365), (312, 6422), (318, 6443), (320, 6449), (325, 6470), (326, 6473), (331, 6500), (337, 6551), (345, 6599),

Gene: Timmi_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Timmi_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Tinciduntsolum_13 Start: 7844, Stop: 9733, Start Num: 22
Candidate Starts for Tinciduntsolum_13:
(Start: 22 @7844 has 397 MA's), (38, 7892), (Start: 46 @7916 has 2 MA's), (56, 7934), (Start: 70 @7967 has 2 MA's), (91, 8075), (110, 8159), (129, 8222), (138, 8258), (158, 8309), (165, 8321), (169, 8342), (191, 8420), (193, 8429), (199, 8474), (214, 8564), (215, 8567), (217, 8573), (219, 8585), (222, 8600), (223, 8612), (251, 8696), (258, 8729), (262, 8747), (273, 8792), (285, 8861), (287, 8873), (299, 8948), (304, 8972), (306, 8978), (311, 9005), (315, 9017), (317, 9023), (325, 9053), (326, 9056), (331, 9083), (339, 9149), (341, 9158), (358, 9233), (370, 9269), (395, 9314), (442, 9452), (443, 9455), (449, 9467), (467, 9554), (469, 9563), (470, 9572), (472, 9587), (478, 9617), (482, 9635), (485, 9650), (490, 9677), (493, 9689), (507, 9725),

Gene: TinyTerror_11 Start: 6317, Stop: 8221, Start Num: 22
Candidate Starts for TinyTerror_11:
(Start: 22 @6317 has 397 MA's), (31, 6344), (63, 6425), (80, 6488), (92, 6554), (99, 6587), (129, 6695), (155, 6785), (178, 6863), (193, 6920), (201, 6974), (214, 7055), (219, 7076), (223, 7103), (242, 7154), (244, 7163), (247, 7172), (285, 7349), (287, 7361), (299, 7436), (304, 7460), (309, 7481), (330, 7565), (352, 7703), (358, 7721), (366, 7748), (379, 7772), (443, 7937), (447, 7946), (469, 8051), (470, 8060), (475, 8087), (493, 8177), (494, 8180), (500, 8201), (505, 8213),

Gene: Togo_12 Start: 5434, Stop: 7020, Start Num: 7
Candidate Starts for Togo_12:
(Start: 7 @5434 has 97 MA's), (79, 5686), (85, 5716), (118, 5833), (125, 5854), (128, 5869), (190, 6043), (198, 6085), (201, 6109), (202, 6112), (210, 6151), (230, 6223), (252, 6283), (253, 6286), (254, 6289), (261, 6325), (263, 6334), (265, 6340), (266, 6343), (279, 6406), (286, 6451), (293, 6481), (299, 6529), (312, 6586), (318, 6607), (325, 6634), (326, 6637), (331, 6664), (337, 6715), (345, 6763),

Gene: TomBombadil_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for TomBombadil_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Tomlarah_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Tomlarah_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Toni_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Toni_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Tonitrus_26 Start: 14379, Stop: 16331, Start Num: 20
Candidate Starts for Tonitrus_26:

(Start: 20 @14379 has 4 MA's), (35, 14427), (57, 14487), (68, 14514), (83, 14577), (85, 14595), (86, 14598), (127, 14748), (129, 14760), (134, 14778), (136, 14790), (154, 14829), (175, 14889), (199, 15000), (206, 15033), (215, 15093), (220, 15117), (245, 15270), (246, 15273), (249, 15285), (264, 15348), (279, 15417), (280, 15420), (294, 15501), (304, 15564), (311, 15597), (315, 15609), (317, 15615), (324, 15645), (331, 15678), (336, 15726), (339, 15744), (350, 15804), (399, 15900), (421, 15960), (457, 16083), (462, 16113), (469, 16149), (474, 16182), (477, 16191), (486, 16239), (487, 16251), (495, 16290), (504, 16320), (506, 16323),

Gene: Tooj_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Tooj_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Tres_12 Start: 7728, Stop: 9617, Start Num: 22
Candidate Starts for Tres_12:
(Start: 22 @7728 has 397 MA's), (38, 7776), (Start: 46 @7800 has 2 MA's), (56, 7818), (Start: 70 @7851 has 2 MA's), (91, 7959), (110, 8043), (129, 8106), (138, 8142), (158, 8193), (169, 8226), (191, 8304), (193, 8313), (199, 8358), (214, 8448), (215, 8451), (217, 8457), (219, 8469), (222, 8484), (223, 8496), (251, 8580), (258, 8613), (262, 8631), (273, 8676), (285, 8745), (287, 8757), (299, 8832), (304, 8856), (306, 8862), (311, 8889), (315, 8901), (317, 8907), (325, 8937), (326, 8940), (331, 8967), (339, 9033), (341, 9042), (358, 9117), (370, 9153), (395, 9198), (442, 9336), (443, 9339), (449, 9351), (467, 9438), (469, 9447), (470, 9456), (472, 9471), (478, 9501), (482, 9519), (485, 9534), (490, 9561), (493, 9573), (507, 9609),

Gene: True_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for True_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Trypo_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Trypo_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Twister6_12 Start: 5366, Stop: 6952, Start Num: 7
Candidate Starts for Twister6_12:
(Start: 7 @5366 has 97 MA's), (79, 5618), (85, 5648), (118, 5765), (125, 5786), (128, 5801), (190, 5975), (198, 6017), (201, 6041), (202, 6044), (210, 6083), (230, 6155), (252, 6215), (253, 6218), (254, 6221), (261, 6257), (263, 6266), (265, 6272), (266, 6275), (279, 6338), (286, 6383), (293, 6413), (299, 6461), (312, 6518), (318, 6539), (325, 6566), (326, 6569), (331, 6596), (337, 6647), (345, 6695),

Gene: Twonlo_11 Start: 5257, Stop: 6933, Start Num: 7
Candidate Starts for Twonlo_11:

(Start: 7 @5257 has 97 MA's), (11, 5290), (26, 5368), (42, 5422), (78, 5554), (84, 5584), (102, 5662), (109, 5680), (130, 5761), (162, 5833), (166, 5842), (180, 5902), (203, 6010), (205, 6022), (206, 6025), (207, 6031), (252, 6166), (253, 6169), (266, 6226), (279, 6301), (286, 6346), (290, 6364), (294, 6385), (299, 6424), (304, 6448), (309, 6469), (312, 6484), (326, 6535), (330, 6556), (345, 6661), (353, 6691), (363, 6715), (364, 6718), (400, 6796),

Gene: Tycho_12 Start: 6284, Stop: 7912, Start Num: 7
Candidate Starts for Tycho_12:
(Start: 7 @6284 has 97 MA's), (32, 6407), (41, 6428), (59, 6485), (78, 6548), (84, 6578), (99, 6641), (106, 6668), (162, 6827), (166, 6836), (188, 6923), (195, 6962), (199, 6986), (203, 7004), (206, 7019), (207, 7025), (218, 7088), (252, 7160), (260, 7199), (273, 7265), (279, 7295), (286, 7340), (289, 7355), (290, 7358), (295, 7394), (304, 7442), (307, 7451), (312, 7478), (320, 7505), (330, 7550), (340, 7625), (345, 7655), (349, 7673), (364, 7712), (367, 7718), (376, 7733), (385, 7754), (389, 7760), (412, 7796), (419, 7829),

Gene: Tydolla_11 Start: 7076, Stop: 8980, Start Num: 22
Candidate Starts for Tydolla_11:
(Start: 22 @7076 has 397 MA's), (31, 7103), (63, 7184), (80, 7247), (92, 7313), (99, 7346), (129, 7454), (155, 7544), (178, 7622), (193, 7679), (201, 7733), (214, 7814), (219, 7835), (223, 7862), (242, 7913), (244, 7922), (247, 7931), (285, 8108), (287, 8120), (299, 8195), (304, 8219), (309, 8240), (330, 8324), (352, 8462), (358, 8480), (366, 8507), (379, 8531), (443, 8696), (447, 8705), (469, 8810), (470, 8819), (475, 8846), (493, 8936), (500, 8960), (505, 8972),

Gene: TyrionL_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for TyrionL_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Tyrumbra_18 Start: 7432, Stop: 9117, Start Num: 14
Candidate Starts for Tyrumbra_18:
(Start: 13 @7423 has 37 MA's), (Start: 14 @7432 has 13 MA's), (48, 7555), (79, 7660), (83, 7672), (100, 7771), (120, 7843), (126, 7861), (157, 7966), (162, 7984), (167, 7996), (168, 8002), (169, 8011), (179, 8047), (193, 8110), (203, 8173), (208, 8200), (214, 8245), (217, 8254), (237, 8296), (252, 8347), (253, 8350), (261, 8389), (263, 8398), (266, 8407), (273, 8440), (281, 8479), (293, 8545), (294, 8554), (295, 8569), (299, 8593), (314, 8659), (316, 8665), (321, 8692), (346, 8845), (358, 8884), (364, 8905), (383, 8950), (410, 8986), (413, 8992), (438, 9097),

Gene: UAch1_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for UAch1_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: UncleHowie_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for UncleHowie_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253,

5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Usavi_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Usavi_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Vaishali24_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Vaishali24_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Valary_13 Start: 5819, Stop: 7405, Start Num: 7
Candidate Starts for Valary_13:
(Start: 7 @5819 has 97 MA's), (32, 5933), (71, 6035), (85, 6101), (91, 6134), (119, 6221), (125, 6239), (128, 6254), (192, 6434), (201, 6494), (202, 6497), (210, 6536), (230, 6608), (252, 6668), (253, 6671), (254, 6674), (261, 6710), (263, 6719), (265, 6725), (266, 6728), (279, 6791), (286, 6836), (293, 6866), (299, 6914), (312, 6971), (318, 6992), (325, 7019), (326, 7022), (331, 7049), (337, 7100), (345, 7148),

Gene: Valjean_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Valjean_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: VanDeWege_13 Start: 5747, Stop: 7333, Start Num: 7
Candidate Starts for VanDeWege_13:
(Start: 7 @5747 has 97 MA's), (32, 5861), (71, 5963), (85, 6029), (91, 6062), (119, 6149), (125, 6167), (128, 6182), (192, 6362), (201, 6422), (202, 6425), (210, 6464), (230, 6536), (252, 6596), (253, 6599), (254, 6602), (260, 6635), (261, 6638), (263, 6647), (265, 6653), (266, 6656), (279, 6719), (286, 6764), (293, 6794), (299, 6842), (312, 6899), (318, 6920), (325, 6947), (326, 6950), (331, 6977), (337, 7028), (345, 7076),

Gene: Vaticameos_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Vaticameos_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: Veritas_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Veritas_8:

(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Verity_14 Start: 7230, Stop: 8897, Start Num: 7
Candidate Starts for Verity_14:
(Start: 7 @7230 has 97 MA's), (17, 7305), (Start: 21 @7326 has 1 MA's), (30, 7353), (55, 7440), (78, 7521), (84, 7551), (109, 7647), (113, 7662), (119, 7683), (126, 7704), (130, 7728), (162, 7800), (166, 7809), (194, 7920), (195, 7935), (199, 7959), (203, 7977), (206, 7992), (207, 7998), (230, 8073), (252, 8133), (279, 8268), (286, 8313), (294, 8352), (301, 8403), (309, 8436), (311, 8448), (312, 8451), (316, 8463), (320, 8478), (326, 8502), (330, 8523), (337, 8580), (345, 8631), (353, 8661), (355, 8667), (377, 8724), (400, 8769), (418, 8817),

Gene: ViaConlectus_14 Start: 6957, Stop: 8627, Start Num: 7
Candidate Starts for ViaConlectus_14:
(Start: 7 @6957 has 97 MA's), (17, 7032), (Start: 21 @7053 has 1 MA's), (30, 7080), (55, 7167), (78, 7248), (84, 7278), (85, 7287), (104, 7362), (109, 7374), (119, 7410), (130, 7455), (162, 7527), (166, 7536), (194, 7647), (199, 7686), (201, 7695), (203, 7704), (205, 7716), (206, 7719), (207, 7725), (230, 7800), (248, 7848), (252, 7860), (276, 7980), (279, 7995), (286, 8040), (294, 8079), (301, 8130), (309, 8163), (311, 8175), (312, 8178), (320, 8205), (326, 8229), (337, 8307), (345, 8358), (353, 8388), (355, 8394), (377, 8451), (400, 8496),

Gene: Vic9_13 Start: 8171, Stop: 10060, Start Num: 22
Candidate Starts for Vic9_13:
(Start: 22 @8171 has 397 MA's), (38, 8219), (Start: 46 @8243 has 2 MA's), (56, 8261), (Start: 70 @8294 has 2 MA's), (91, 8402), (110, 8486), (129, 8549), (138, 8585), (158, 8636), (165, 8648), (169, 8669), (191, 8747), (193, 8756), (199, 8801), (214, 8891), (215, 8894), (217, 8900), (219, 8912), (222, 8927), (223, 8939), (251, 9023), (258, 9056), (262, 9074), (273, 9119), (285, 9188), (286, 9194), (287, 9200), (299, 9275), (304, 9299), (306, 9305), (311, 9332), (315, 9344), (317, 9350), (325, 9380), (326, 9383), (331, 9410), (339, 9476), (341, 9485), (358, 9560), (370, 9596), (395, 9641), (442, 9779), (443, 9782), (449, 9794), (467, 9881), (469, 9890), (470, 9899), (472, 9914), (478, 9944), (482, 9962), (485, 9977), (490, 10004), (493, 10016), (507, 10052),

Gene: Vincenzo_10 Start: 7459, Stop: 9357, Start Num: 22
Candidate Starts for Vincenzo_10:
(Start: 22 @7459 has 397 MA's), (56, 7540), (80, 7621), (81, 7627), (91, 7681), (114, 7768), (119, 7786), (134, 7846), (139, 7867), (167, 7927), (191, 8023), (199, 8077), (214, 8167), (221, 8194), (232, 8245), (256, 8317), (266, 8365), (268, 8380), (278, 8425), (285, 8467), (304, 8578), (306, 8584), (311, 8611), (325, 8659), (359, 8842), (394, 8917), (433, 9037), (437, 9046), (438, 9049), (456, 9106), (458, 9112), (469, 9175), (470, 9184), (498, 9328), (507, 9349),

Gene: VioletZ_9 Start: 6748, Stop: 8637, Start Num: 22
Candidate Starts for VioletZ_9:
(Start: 22 @6748 has 397 MA's), (Start: 28 @6763 has 5 MA's), (62, 6844), (69, 6859), (80, 6910), (83, 6919), (91, 6970), (119, 7075), (134, 7135), (169, 7231), (190, 7309), (191, 7312), (193, 7321), (199, 7366), (214, 7456), (215, 7459), (235, 7537), (239, 7549), (266, 7651), (278, 7711), (285, 7753), (287, 7765), (299, 7840), (304, 7864), (306, 7870), (311, 7897), (313, 7903), (316, 7912), (325, 7945), (331, 7975), (433, 8317), (437, 8326), (438, 8329), (458, 8392), (468, 8452), (469, 8455), (470, 8464), (490, 8578), (503, 8623), (507, 8629),

Gene: Virapocalypse_8 Start: 4439, Stop: 6358, Start Num: 22

Candidate Starts for Virapocalypse_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Virgeve_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Virgeve_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Vista_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Vista_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Vivaldi_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Vivaldi_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Vivi2_11 Start: 6178, Stop: 7800, Start Num: 7
Candidate Starts for Vivi2_11:
(Start: 7 @6178 has 97 MA's), (50, 6337), (59, 6376), (78, 6439), (99, 6532), (106, 6559), (118, 6598), (166, 6727), (180, 6787), (196, 6856), (199, 6877), (203, 6895), (206, 6910), (207, 6916), (218, 6979), (248, 7039), (252, 7051), (260, 7090), (263, 7102), (266, 7111), (269, 7144), (273, 7156), (279, 7186), (286, 7231), (289, 7246), (290, 7249), (295, 7285), (304, 7333), (307, 7342), (312, 7369), (345, 7546), (364, 7603), (367, 7609), (376, 7624), (385, 7645), (389, 7651), (412, 7687), (418, 7714),

Gene: Vortex_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Vortex_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: WaddleDee_69 Start: 27736, Stop: 29310, Start Num: 45
Candidate Starts for WaddleDee_69:
(Start: 27 @27676 has 1 MA's), (45, 27736), (137, 28093), (191, 28282), (193, 28291), (238, 28495), (252, 28543), (288, 28723), (303, 28810), (319, 28876), (321, 28888), (368, 29119), (409, 29206), (440, 29299),

Gene: Waleliano_9 Start: 6748, Stop: 8637, Start Num: 22
Candidate Starts for Waleliano_9:
(Start: 22 @6748 has 397 MA's), (Start: 28 @6763 has 5 MA's), (62, 6844), (69, 6859), (80, 6910), (83, 6919), (91, 6970), (119, 7075), (134, 7135), (169, 7231), (190, 7309), (191, 7312), (193, 7321), (199, 7366), (214, 7456), (215, 7459), (235, 7537), (239, 7549), (262, 7639), (266, 7651), (278, 7711), (285, 7753), (287, 7765), (304, 7864), (306, 7870), (311, 7897), (313, 7903), (316, 7912), (325, 7945), (433, 8317), (437, 8326), (438, 8329), (458, 8392), (468, 8452), (469, 8455), (470, 8464), (490, 8578), (496, 8602), (507, 8629),

Gene: Wallhey_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Wallhey_8:
(Start: 22 @4438 has 397 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (140, 4861), (178, 4975), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (468, 6181), (482, 6256), (490, 6298), (493, 6310),

Gene: Waterdiva_8 Start: 4442, Stop: 6361, Start Num: 22
Candidate Starts for Waterdiva_8:
(Start: 22 @4442 has 397 MA's), (Start: 28 @4457 has 5 MA's), (Start: 64 @4553 has 5 MA's), (72, 4568), (92, 4679), (127, 4811), (132, 4835), (134, 4841), (136, 4853), (140, 4865), (192, 5030), (212, 5156), (213, 5159), (214, 5171), (217, 5180), (219, 5192), (232, 5255), (236, 5264), (247, 5300), (253, 5318), (256, 5327), (266, 5375), (284, 5471), (285, 5477), (293, 5513), (299, 5561), (304, 5585), (343, 5780), (366, 5873), (458, 6125), (482, 6260), (490, 6302), (493, 6314),

Gene: Weher20_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for Weher20_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: West99_12 Start: 7845, Stop: 9734, Start Num: 22
Candidate Starts for West99_12:
(Start: 22 @7845 has 397 MA's), (38, 7893), (Start: 46 @7917 has 2 MA's), (56, 7935), (Start: 70 @7968 has 2 MA's), (91, 8076), (110, 8160), (129, 8223), (138, 8259), (158, 8310), (165, 8322), (169, 8343), (191, 8421), (193, 8430), (199, 8475), (214, 8565), (215, 8568), (217, 8574), (219, 8586), (222, 8601), (223, 8613), (251, 8697), (258, 8730), (262, 8748), (273, 8793), (285, 8862), (287, 8874), (299, 8949), (304, 8973), (306, 8979), (311, 9006), (315, 9018), (317, 9024), (325, 9054), (326, 9057), (331, 9084), (339, 9150), (341, 9159), (358, 9234), (370, 9270), (395, 9315), (442, 9453), (443, 9456), (449, 9468), (467, 9555), (469, 9564), (470, 9573), (472, 9588), (478, 9618), (482, 9636), (485, 9651), (490, 9678), (493, 9690), (507, 9726),

Gene: Windsor_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Windsor_8:
(Start: 22 @4439 has 397 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (140, 4862), (178, 4976), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: Wizard_12 Start: 5562, Stop: 7145, Start Num: 7

Candidate Starts for Wizard_12:
(Start: 7 @5562 has 97 MA's), (32, 5676), (85, 5844), (119, 5964), (125, 5982), (128, 5997), (182, 6147), (192, 6177), (201, 6237), (202, 6240), (210, 6279), (230, 6351), (252, 6411), (253, 6414), (254, 6417), (261, 6453), (263, 6462), (265, 6468), (266, 6471), (279, 6534), (286, 6579), (293, 6609), (299, 6657), (312, 6714), (318, 6735), (320, 6741), (325, 6762), (331, 6792), (337, 6843), (345, 6891),

Gene: Wooper_10 Start: 6780, Stop: 8627, Start Num: 22
Candidate Starts for Wooper_10:
(Start: 22 @6780 has 397 MA's), (Start: 70 @6894 has 2 MA's), (79, 6936), (91, 6999), (104, 7065), (138, 7170), (147, 7194), (186, 7293), (187, 7299), (191, 7308), (193, 7317), (215, 7455), (219, 7473), (253, 7614), (258, 7641), (262, 7659), (266, 7671), (277, 7722), (285, 7773), (299, 7860), (304, 7884), (358, 8142), (387, 8202), (392, 8211), (446, 8352), (447, 8355), (463, 8427), (464, 8433), (469, 8454), (479, 8511), (481, 8523), (487, 8556), (490, 8568), (493, 8580), (496, 8592), (500, 8604), (502, 8607),

Gene: Xavier_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Xavier_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Xincheng_9 Start: 6587, Stop: 8458, Start Num: 28
Candidate Starts for Xincheng_9:
(Start: 22 @6572 has 397 MA's), (Start: 28 @6587 has 5 MA's), (62, 6668), (69, 6683), (80, 6734), (83, 6743), (91, 6794), (119, 6899), (134, 6959), (169, 7055), (190, 7133), (191, 7136), (193, 7145), (199, 7190), (214, 7280), (215, 7283), (235, 7361), (239, 7373), (247, 7400), (266, 7475), (278, 7535), (285, 7577), (287, 7589), (291, 7604), (304, 7688), (306, 7694), (311, 7721), (313, 7727), (316, 7736), (325, 7769), (433, 8138), (437, 8147), (438, 8150), (446, 8165), (458, 8213), (469, 8276), (470, 8285), (490, 8399), (503, 8444), (507, 8450),

Gene: Yago84_7 Start: 5116, Stop: 6957, Start Num: 22
Candidate Starts for Yago84_7:
(Start: 22 @5116 has 397 MA's), (Start: 70 @5230 has 2 MA's), (79, 5272), (91, 5335), (129, 5467), (134, 5485), (165, 5539), (169, 5560), (199, 5692), (206, 5725), (214, 5782), (215, 5785), (219, 5803), (226, 5854), (232, 5875), (262, 5983), (266, 5995), (285, 6097), (312, 6244), (315, 6253), (329, 6310), (414, 6589), (443, 6676), (446, 6682), (463, 6757), (464, 6763), (469, 6784), (484, 6865), (490, 6898), (493, 6910), (500, 6934), (502, 6937),

Gene: Yahalom_11 Start: 6315, Stop: 8219, Start Num: 22
Candidate Starts for Yahalom_11:
(Start: 22 @6315 has 397 MA's), (31, 6342), (63, 6423), (80, 6486), (92, 6552), (99, 6585), (129, 6693), (155, 6783), (178, 6861), (193, 6918), (201, 6972), (214, 7053), (219, 7074), (223, 7101), (242, 7152), (244, 7161), (247, 7170), (285, 7347), (287, 7359), (299, 7434), (304, 7458), (309, 7479), (330, 7563), (352, 7701), (358, 7719), (366, 7746), (379, 7770), (443, 7935), (447, 7944), (469, 8049), (470, 8058), (475, 8085), (493, 8175), (500, 8199), (505, 8211),

Gene: Yeshua_10 Start: 6784, Stop: 8628, Start Num: 22
Candidate Starts for Yeshua_10:
(Start: 22 @6784 has 397 MA's), (Start: 70 @6898 has 2 MA's), (79, 6940), (91, 7003), (104, 7069), (138, 7174), (165, 7213), (186, 7297), (187, 7303), (191, 7312), (193, 7321), (214, 7456), (215, 7459), (219, 7477), (230, 7549), (253, 7618), (258, 7645), (262, 7663), (266, 7675), (277, 7726), (285, 7777), (299, 7864), (304, 7888), (342, 8077), (358, 8146), (387, 8206), (446, 8353), (447, 8356), (463, 8428),

(464, 8434), (469, 8455), (470, 8464), (479, 8512), (481, 8524), (487, 8557), (490, 8569), (493, 8581), (500, 8605), (502, 8608),

Gene: Yeti_20 Start: 8441, Stop: 10147, Start Num: 13
Candidate Starts for Yeti_20:
(Start: 13 @8441 has 37 MA's), (Start: 14 @8450 has 13 MA's), (15, 8465), (Start: 46 @8564 has 2 MA's), (48, 8570), (79, 8675), (83, 8687), (100, 8786), (102, 8792), (120, 8858), (126, 8876), (137, 8930), (146, 8960), (162, 8999), (168, 9017), (169, 9026), (179, 9062), (193, 9125), (203, 9188), (208, 9215), (214, 9260), (252, 9362), (253, 9365), (261, 9404), (266, 9422), (281, 9494), (293, 9560), (294, 9569), (299, 9608), (307, 9641), (314, 9674), (316, 9680), (321, 9710), (346, 9863), (350, 9878), (357, 9899), (358, 9902), (434, 10106), (438, 10115),

Gene: Yinz_11 Start: 6341, Stop: 8248, Start Num: 22
Candidate Starts for Yinz_11:
(Start: 22 @6341 has 397 MA's), (31, 6368), (63, 6449), (80, 6512), (92, 6578), (99, 6611), (129, 6719), (155, 6809), (178, 6887), (193, 6944), (201, 6998), (214, 7079), (219, 7100), (223, 7127), (242, 7178), (244, 7187), (247, 7196), (285, 7373), (287, 7385), (299, 7460), (304, 7484), (309, 7505), (330, 7589), (352, 7727), (358, 7745), (366, 7772), (379, 7796), (443, 7964), (447, 7973), (469, 8078), (470, 8087), (475, 8114), (493, 8204), (500, 8228), (505, 8240),

Gene: YorkOnyx_12 Start: 6233, Stop: 7861, Start Num: 7
Candidate Starts for YorkOnyx_12:
(Start: 7 @6233 has 97 MA's), (32, 6356), (41, 6377), (53, 6407), (59, 6434), (78, 6497), (84, 6527), (99, 6590), (106, 6617), (119, 6659), (166, 6785), (195, 6911), (199, 6935), (203, 6953), (206, 6968), (207, 6974), (218, 7037), (252, 7109), (260, 7148), (273, 7214), (279, 7244), (286, 7289), (289, 7304), (290, 7307), (295, 7343), (304, 7391), (307, 7400), (312, 7427), (320, 7454), (330, 7499), (336, 7553), (337, 7556), (339, 7571), (345, 7604), (349, 7622), (364, 7661), (367, 7667), (376, 7682), (385, 7703), (389, 7709), (412, 7745), (419, 7778),

Gene: Yoshand_8 Start: 4439, Stop: 6358, Start Num: 22
Candidate Starts for Yoshand_8:
(Start: 22 @4439 has 397 MA's), (Start: 28 @4454 has 5 MA's), (Start: 64 @4550 has 5 MA's), (72, 4565), (92, 4676), (127, 4808), (132, 4832), (134, 4838), (136, 4850), (140, 4862), (192, 5027), (212, 5153), (213, 5156), (214, 5168), (217, 5177), (219, 5189), (232, 5252), (236, 5261), (247, 5297), (253, 5315), (256, 5324), (266, 5372), (284, 5468), (285, 5474), (293, 5510), (299, 5558), (304, 5582), (343, 5777), (366, 5870), (458, 6122), (482, 6257), (490, 6299), (493, 6311),

Gene: YouGoGlencoco_8 Start: 4438, Stop: 6357, Start Num: 22
Candidate Starts for YouGoGlencoco_8:
(Start: 22 @4438 has 397 MA's), (Start: 28 @4453 has 5 MA's), (Start: 64 @4549 has 5 MA's), (72, 4564), (92, 4675), (127, 4807), (132, 4831), (134, 4837), (136, 4849), (140, 4861), (192, 5026), (212, 5152), (213, 5155), (214, 5167), (217, 5176), (219, 5188), (232, 5251), (236, 5260), (247, 5296), (253, 5314), (256, 5323), (266, 5371), (284, 5467), (285, 5473), (293, 5509), (299, 5557), (304, 5581), (343, 5776), (366, 5869), (458, 6121), (482, 6256), (490, 6298), (493, 6310),

Gene: YungMoney_12 Start: 6514, Stop: 8100, Start Num: 7
Candidate Starts for YungMoney_12:
(Start: 7 @6514 has 97 MA's), (17, 6577), (79, 6766), (85, 6796), (91, 6829), (118, 6913), (125, 6934), (128, 6949), (190, 7123), (192, 7129), (198, 7165), (201, 7189), (202, 7192), (210, 7231), (230, 7303), (252, 7363), (253, 7366), (254, 7369), (261, 7405), (263, 7414), (265, 7420), (266, 7423), (279, 7486), (286, 7531), (293, 7561), (299, 7609), (312, 7666), (318, 7687), (325, 7714), (326, 7717), (331, 7744), (337, 7795), (345, 7843),

Gene: Zaider_9 Start: 4671, Stop: 6590, Start Num: 22
Candidate Starts for Zaider_9:
(Start: 22 @4671 has 397 MA's), (Start: 28 @4686 has 5 MA's), (Start: 64 @4782 has 5 MA's), (72, 4797), (92, 4908), (127, 5040), (132, 5064), (134, 5070), (136, 5082), (140, 5094), (192, 5259), (212, 5385), (213, 5388), (214, 5400), (217, 5409), (219, 5421), (232, 5484), (236, 5493), (247, 5529), (253, 5547), (256, 5556), (266, 5604), (284, 5700), (285, 5706), (293, 5742), (299, 5790), (304, 5814), (343, 6009), (366, 6102), (458, 6354), (482, 6489), (490, 6531), (493, 6543),

Gene: Zelda_8 Start: 4441, Stop: 6360, Start Num: 22
Candidate Starts for Zelda_8:
(Start: 22 @4441 has 397 MA's), (Start: 28 @4456 has 5 MA's), (Start: 64 @4552 has 5 MA's), (72, 4567), (92, 4678), (127, 4810), (132, 4834), (134, 4840), (136, 4852), (140, 4864), (192, 5029), (212, 5155), (213, 5158), (214, 5170), (217, 5179), (219, 5191), (232, 5254), (236, 5263), (247, 5299), (253, 5317), (256, 5326), (266, 5374), (284, 5470), (285, 5476), (293, 5512), (299, 5560), (304, 5584), (343, 5779), (366, 5872), (458, 6124), (482, 6259), (490, 6301), (493, 6313),

Gene: Zemanar_10 Start: 6748, Stop: 8637, Start Num: 22
Candidate Starts for Zemanar_10:
(Start: 22 @6748 has 397 MA's), (Start: 28 @6763 has 5 MA's), (62, 6844), (69, 6859), (80, 6910), (83, 6919), (91, 6970), (119, 7075), (134, 7135), (169, 7231), (190, 7309), (191, 7312), (193, 7321), (199, 7366), (214, 7456), (215, 7459), (235, 7537), (239, 7549), (266, 7651), (278, 7711), (285, 7753), (287, 7765), (299, 7840), (304, 7864), (306, 7870), (311, 7897), (313, 7903), (316, 7912), (325, 7945), (331, 7975), (433, 8317), (437, 8326), (438, 8329), (458, 8392), (468, 8452), (469, 8455), (470, 8464), (490, 8578), (496, 8602), (507, 8629),

Gene: Zenteno07_13 Start: 5606, Stop: 7525, Start Num: 22
Candidate Starts for Zenteno07_13:
(Start: 22 @5606 has 397 MA's), (128, 5981), (130, 5993), (140, 6032), (161, 6083), (194, 6209), (199, 6248), (212, 6323), (213, 6326), (219, 6359), (228, 6407), (230, 6416), (236, 6431), (239, 6440), (256, 6494), (277, 6593), (285, 6644), (293, 6680), (303, 6749), (304, 6752), (352, 6995), (358, 7013), (439, 7229), (446, 7241), (469, 7352), (470, 7361), (472, 7376), (482, 7424), (503, 7511),

Gene: Zipp_14 Start: 7375, Stop: 9042, Start Num: 7
Candidate Starts for Zipp_14:
(Start: 7 @7375 has 97 MA's), (17, 7450), (Start: 21 @7471 has 1 MA's), (30, 7498), (55, 7585), (78, 7666), (84, 7696), (109, 7792), (113, 7807), (119, 7828), (123, 7840), (126, 7849), (130, 7873), (162, 7945), (166, 7954), (194, 8065), (195, 8080), (199, 8104), (203, 8122), (206, 8137), (207, 8143), (230, 8218), (252, 8278), (279, 8413), (286, 8458), (294, 8497), (301, 8548), (309, 8581), (311, 8593), (312, 8596), (320, 8623), (326, 8647), (337, 8725), (345, 8776), (353, 8806), (355, 8812), (377, 8869), (400, 8914), (418, 8962),

Gene: Zitch_15 Start: 6694, Stop: 8367, Start Num: 7
Candidate Starts for Zitch_15:
(Start: 7 @6694 has 97 MA's), (17, 6769), (30, 6817), (55, 6904), (78, 6985), (84, 7015), (119, 7147), (130, 7192), (162, 7264), (166, 7273), (194, 7384), (199, 7423), (203, 7441), (205, 7453), (206, 7456), (207, 7462), (230, 7537), (248, 7585), (252, 7597), (279, 7732), (286, 7777), (294, 7816), (301, 7867), (309, 7900), (311, 7912), (312, 7915), (320, 7942), (326, 7966), (337, 8044), (345, 8095), (353, 8125), (355, 8131), (363, 8149), (377, 8188), (400, 8233),

Gene: Zonia_8 Start: 4437, Stop: 6356, Start Num: 22
Candidate Starts for Zonia_8:
(Start: 22 @4437 has 397 MA's), (Start: 64 @4548 has 5 MA's), (72, 4563), (92, 4674), (127, 4806), (132, 4830), (134, 4836), (136, 4848), (140, 4860), (192, 5025), (212, 5151), (213, 5154), (214, 5166),

(217, 5175), (219, 5187), (232, 5250), (236, 5259), (247, 5295), (253, 5313), (256, 5322), (266, 5370), (284, 5466), (285, 5472), (293, 5508), (299, 5556), (304, 5580), (343, 5775), (366, 5868), (458, 6120), (482, 6255), (490, 6297), (493, 6309),

Gene: Zooman_67 Start: 27800, Stop: 29527, Start Num: 29
Candidate Starts for Zooman_67:
(3, 27662), (5, 27668), (6, 27671), (Start: 29 @27800 has 6 MA's), (45, 27854), (50, 27878), (65, 27929), (89, 28037), (94, 28061), (122, 28151), (126, 28163), (137, 28217), (191, 28424), (199, 28478), (252, 28694), (273, 28787), (279, 28817), (294, 28901), (303, 28961), (310, 28994), (315, 29009), (350, 29213), (351, 29216), (352, 29219), (368, 29270), (422, 29441),