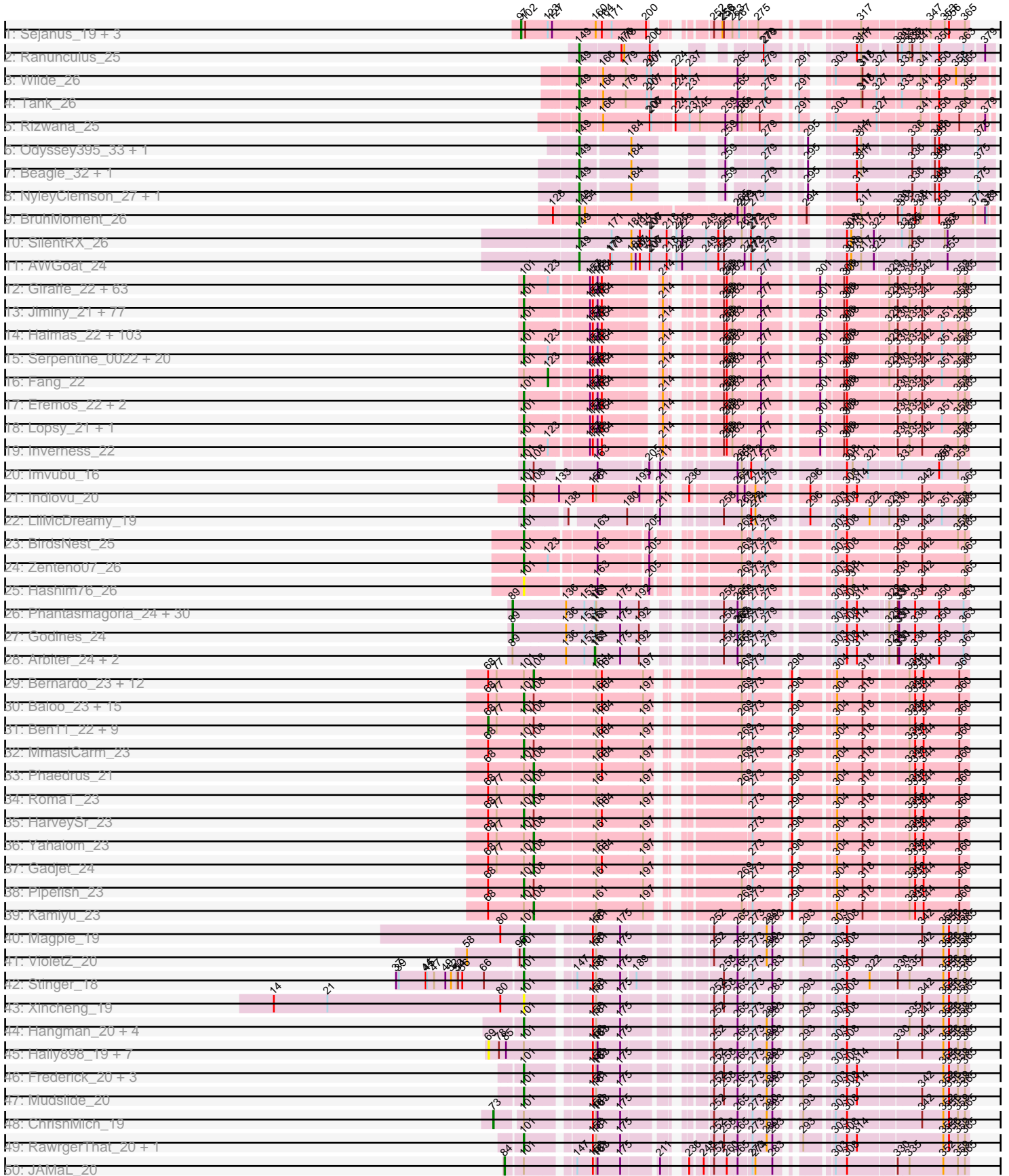
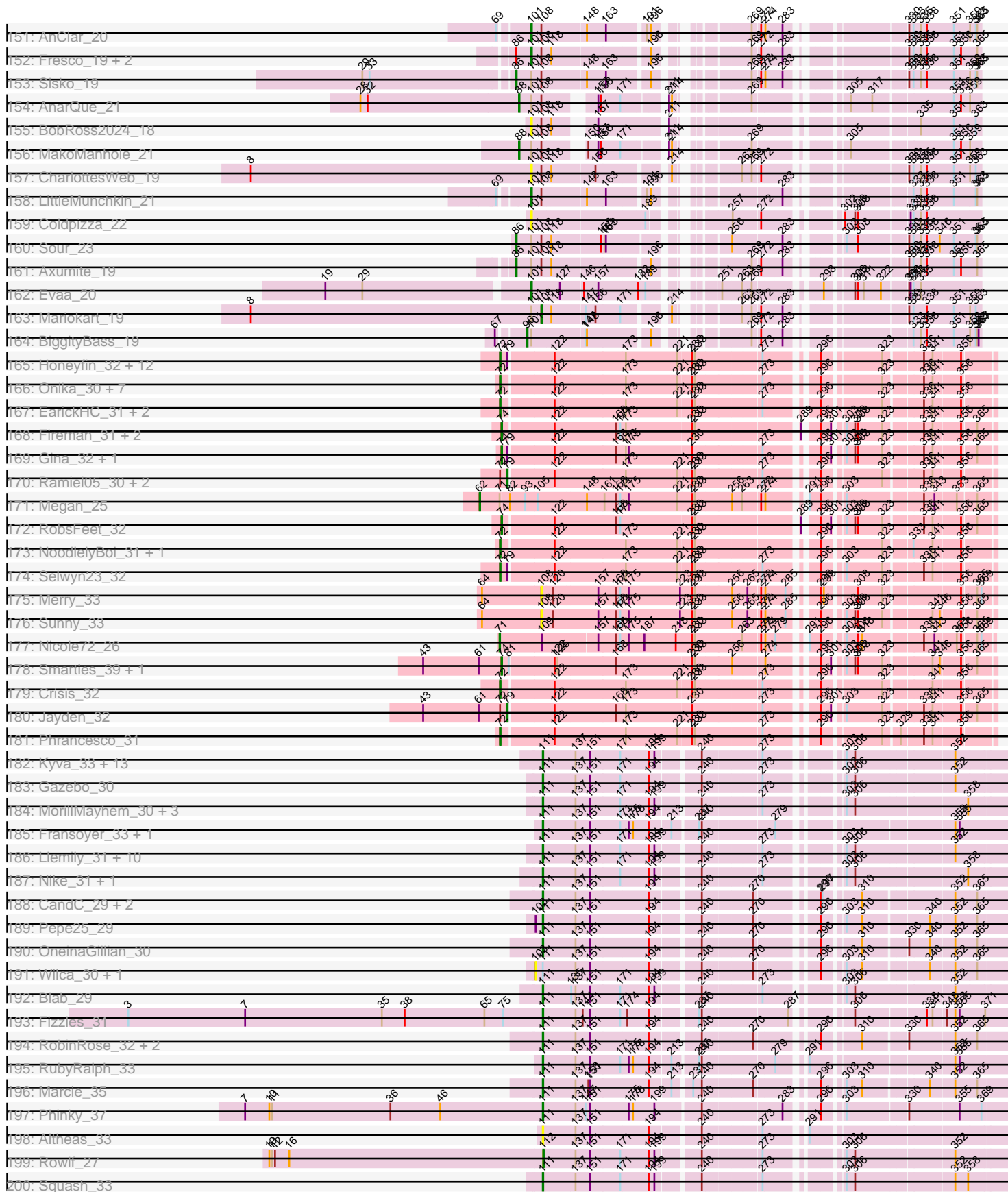


Pham 189311



Pham 189311



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 189311 Report

This analysis was run 11/02/24 on database version 579.

Pham number 189311 has 741 members, 98 are drafts.

Phages represented in each track:

- Track 1 : Sejanus_19, Mao1_18, Dori_19, Mask_19
- Track 2 : Ranunculus_25
- Track 3 : Wilde_26
- Track 4 : Tank_26
- Track 5 : Rizwana_25
- Track 6 : Odyssey395_33, Pointis_31
- Track 7 : Beagle_32, Pureglobe5_33
- Track 8 : NyleyClemson_27, MellowYellow_28
- Track 9 : BruhMoment_26
- Track 10 : SilentRX_26
- Track 11 : AWGoat_24
- Track 12 : Giraffe_22, Banjo_21, Chunky_22, Maru_21, OliverWalter_22, Zelda_22, Mulan_21, Prickles_22, Altwerkus_21, Hetaeria_22, DirtJuice_22, Derpp_21, TyrionL_21, Boehler_22, Cher_21, Gareth_21, Antonia_21, Newman_22, Waterdiva_22, Manad_21, Simielle_21, Freya_21, Mecca_21, HighStump_21, LostAndPhound_21, Bishoperium_21, Orion_22, FriarPreacher_22, Emiris_22, Cobra_22, Bluephacebaby_21, PinheadLarry_22, Grand2040_21, Chorkpop_22, Crownjwl_22, Roliet_22, Telesworld_21, Childish_21, QueenBeane_22, Held_22, Chah_23, Horchata_22, Nyala_21, UncleHowie_22, Kahve_21, LeiMonet_22, DonSanchon_21, UAch1_22, Sheila_22, Samaymay_22, Phareon_22, Soto_22, Daka_22, Roscoe_23, CamL_22, BlueHusk_22, Vaticameos_22, Daffy_22, RedMaple_21, Tooj_22, Aelin_21, Labeouficaum_21, Tomlarah_22, Vivaldi_22
- Track 13 : Jiminy_21, Mikota_22, Pops_22, DaddyDaniels_22, DuchessDung_20, Potter_21, Rimu_22, Valjean_22, KingVeVeVe_22, Olive_22, Usavi_22, BatteryCK_21, MrPhizzler_21, EmpTee_22, Maskar_21, Ashraf_21, Zonia_22, Thunderbird_21, Hocus_21, Veritas_21, Gwilliam_22, Pipsqueak_22, Coletti_21, Swiphy_23, Doddsville_22, SDcharge11_22, Etaye_22, Duggie_21, MichaelPhcott_21, Kailash_22, JakeO_21, Schueller_22, Mana_21, FugateOSU_21, Chute_21, PhrankReynolds_21, Pinkman_21, Andre_22, Scoot17C_22, MelsMeow_21, Phleuron_21, Virgeve_21, ImtiyazSitla_21, Serendipity_22, Durga_22, Spartan300_22, Dingo_22, PhenghisKhan_21, ProfessorX_22, Phergie_21, Harvey_22, GeneCoco_22, Dati_22, Fozzie_21, MiniBoss_22, Trypo_22, Mag7_21, Wallhey_21, Apizium_21, Morgushi_22, Kwksand96_21, Dione_21, Brilliant_22, True_21, Jiraiya_22, AltPhacts_22, CharlieGBrown_21, Magic8_22, Hartsy_22, Struggle_21, Oline_21, Weher20_22, JDog_21, PhatLouie_22, Longcauda_21, Melc17_22, Vortex_22, PG1_22

- Track 14 : Haimas_22, Iridoclysis_22, Adriana_22, Kimbrough_22, DelRivs_21, Lumine_21, Oosterbaan_22, Burr_21, Inchworm_22, SilverBell_22, Murdoc_22, Eugenia_22, FluffyNinja_22, Pherdinand_22, LuckyMarjie_21, Orwigg_22, Thora_22, Frankicide_22, Buckeye_22, OSmaximus_22, Skippy_22, Plmatters_22, Fringe_22, Kwadwo_21, Nicole21_22, Squid_22, Olak_21, Cornobble_21, ABU_22, Numberten_22, Hamish_22, BlackStallion_22, Windsor_21, Keitherie_22, Schadenfreude_21, MitKao_22, Haleema_21, Swish_22, Mutante_21, Roy17_22, Sigman_22, Lulwa_22, Megatron_22, LeeLot_22, PhrodoBaggins_21, Beaglebox_21, Sophia_21, Jillium_21, Solosis_21, Virapocalypse_22, Kikipoo_22, Charles1_22, SassyCat97_21, Hertubise_22, Omniscient_22, Soile_22, Badfish_22, JangoPhett_22, LasagnaCat_22, Matalotodo_22, DoesntMatter_22, AbsoluteMadLad_21, Quisquiliae_22, YouGoGlencoco_22, Cosmolli16_21, Lulumae_21, Legolas_21, Cannibal_22, Gophee_22, TallGrassMM_22, Dice_21, IsaacEli_22, Anderson_22, JacAttac_22, MRabcd_21, Puhltonio_22, Riggan_22, Lasso_22, Katniss_22, Timmi_21, Squiggle_22, TomBombadil_22, Phipps_22, Craff_22, Kloppinator_22, PhatCats2014_22, Zaider_23, Morty_22, Phunky_22, HenryJackson_21, Phamished_22, Orfeu_21, Podrick_22, Vista_22, Scrick_22, CampRoach_22, Surely_22, Suffolk_22, Pacifista_21, Chaelin_21, Placalicious_21, Slatt_22, Yoshand_22, Mcshane_21
- Track 15 : Serpentine_0022, Nacho_0022, Selr12_22, Gyarad_0022, Basato_23, KLucky39_22, Toni_21, Megamind20_22, ThreeOh3D2_22, CheetO_22, KlimbOn_22, Mosaic_21, Ricotta_21, Lego3393_22, Xavier_21, LemonSlice_22, HSavage_22, Piglet_0021, ShiVal_22, Colbert_22, Mesh1_22
- Track 16 : Fang_22
- Track 17 : Eremos_22, Carthage_20, Vaishali24_21
- Track 18 : Lopsy_21, Robyn_21
- Track 19 : Inverness_22
- Track 20 : Imvubu_16
- Track 21 : Indlovu_20
- Track 22 : LilMcDreamy_19
- Track 23 : BirdsNest_25
- Track 24 : Zenteno07_26
- Track 25 : Hashim76_26
- Track 26 : Phantasmagoria_24, Vic9_25, Allegro_24, Sabella_24, LizLemon_24, Kheth_24, Faze9_24, Kaleb_24, West99_24, TA17A_24, Calamitous_24, Rhinoforte_24, Brownie5_24, Laurie_24, Opia_24, Tinciduntsolum_25, Coffee_24, Tres_24, Lars_24, MasterPo_24, Bananafish_24, Eaglehorse_24, Boyle_24, Holeinone_24, Hedgerow_24, Glass_24, Blocker23_24, Ares_24, FrenchFry_24, Lephleur_24, ItsyBitsy1_24
- Track 27 : Godines_24
- Track 28 : Arbiter_24, Rosebush_24, Qyrzula_22
- Track 29 : Bernardo_23, Mortcellus_22, Phlyer_23, Audrey_23, Athena_24, Neos5_23, Corofin_23, Daisy_23, Heathcliff_23, Akoma_23, Chandler_23, Obutu_23, Morty007_23
- Track 30 : Baloo_23, Briakila_23, OrangeOswald_23, Yinz_23, RagingRooster_23, ChaChing_23, Abinghost_23, Phayeta_23, Devonte_23, Philly_22, Kronus_22, Halfpint_22, Deenasa_23, Nozo_23, SynergyX_23, Casbah_22
- Track 31 : Ben11_22, LestyG_23, Jackstina_21, GlenHope_24, Tydolla_23, SlippinJimmy_23, Marley1013_23, Gervas_23, Rita1961_23, Compostia_24
- Track 32 : MmasiCarm_23
- Track 33 : Phaedruss_21
- Track 34 : RomaT_23
- Track 35 : HarveySr_23

- Track 36 : Yahalom_23
- Track 37 : Gadget_24
- Track 38 : Pipefish_23
- Track 39 : Kamiyu_23
- Track 40 : Magpie_19
- Track 41 : VioletZ_20
- Track 42 : Stinger_18
- Track 43 : Xincheng_19
- Track 44 : Hangman_20, BrownCNA_21, Mithril_20, Waleliano_20, Zemanar_21
- Track 45 : Hally898_19, Nanao_19, Lambano_19, Epah_19, Poster_19, GinPorsche_19, Antihero_19, Ahwei_19
- Track 46 : Frederick_20, Austelle_21, Prince_20, Apex_20
- Track 47 : Mudslide_20
- Track 48 : ChrisnMich_19
- Track 49 : RawrgerThat_20, Fortunato_20
- Track 50 : JAMaL_20
- Track 51 : Cooper_20
- Track 52 : AlanGrant_21
- Track 53 : Hydro_20, Lolalove_20
- Track 54 : Vincenzo_21
- Track 55 : Fanaw_19
- Track 56 : Heath_19, QueenPie_19
- Track 57 : Nigel_18
- Track 58 : JaguarMi_20
- Track 59 : BobbyK_20
- Track 60 : Serendipitous_21
- Track 61 : StinkyVeggy_24, KarasumaRum_24
- Track 62 : Phelemich_22
- Track 63 : Shenyu_22, Nangang_22
- Track 64 : Mysterious_23
- Track 65 : Rich_21
- Track 66 : Acadian_22
- Track 67 : Donny_22, Suigeneris_22
- Track 68 : Bae_21
- Track 69 : DigitDog_22
- Track 70 : EastView9101_21
- Track 71 : Reprobate_22
- Track 72 : Nehemiah_21
- Track 73 : SirJeffery_22
- Track 74 : 39HC_018, 40BC_018
- Track 75 : Hosp_016
- Track 76 : Jolie1_018
- Track 77 : KayaCho_18
- Track 78 : Saguaro_23
- Track 79 : Thonko_21
- Track 80 : Rinkes_25
- Track 81 : Knocker_24
- Track 82 : PenguinLover67_24
- Track 83 : Quesadilla_23
- Track 84 : Funsized_25
- Track 85 : CRB2_24
- Track 86 : Salet_17, Asis_17, TP1604_17, BayC_17, BabyGotBac_17, Maih_17
- Track 87 : Abt2graduatex2_18

- Track 88 : Xkcd426_23
- Track 89 : YDN12_18
- Track 90 : RainyPolka_18
- Track 91 : Mischief19_25
- Track 92 : DonTron_50
- Track 93 : Clawz_50
- Track 94 : KingstonB_51
- Track 95 : ColdSoup_51, Jollymon_51
- Track 96 : Sting_49
- Track 97 : Soos_46
- Track 98 : Mutzi_25
- Track 99 : TillyBobJoe_23, Gezellig_24, Phlop_23, Portcullis_23, Wizard_23, PullumCavea_23, Shinji_23, Fireball_24
- Track 100 : Bakery_24, YungMoney_25
- Track 101 : Halo3_24, Salvador_23, Twister6_25, VanDeWege_26, Togo_23, Danyall_25, Evamon_23, Jambalaya_23, Savbucketdawg_23, CoveyB_26, Nubi_23, SmokingBunny_23
- Track 102 : ClamChowder_25, PinkCoffee_25, KimmyK_25, Fugax_25, Barb_25
- Track 103 : Arri_26, RogerDodger_26
- Track 104 : Valary_26
- Track 105 : Clown_27
- Track 106 : Belphegor_25
- Track 107 : Lennon_27, ChadMasterC_27, Sitar_27
- Track 108 : Gaea_26, JKSyngboy_24, Flatwoods_27, Bizzy_27, Kroos_27, Derg_24, YorkOnyx_27, Baddon_26
- Track 109 : Bibwit_26, Love_30, Sedona_27
- Track 110 : Tycho_26, Ashertheman_27, Baumdotcom_26, Gustavo_26, LilHam_24, Kwobi_27, Tangerine_26, SchottB_25, Saronaya_26, StorminNorm_26
- Track 111 : BobBob_24, Galadriel_27, Nordenberg_21, McKinley_29, Rofo_27
- Track 112 : Stultus_25, Sanjuju_25, Jabberwocky_25
- Track 113 : Kewpiedoll_26
- Track 114 : RiverRaider_27
- Track 115 : Kamashten_26, Shivanishola_28, Brandonk123_28, Thing3_26
- Track 116 : Barsten_27
- Track 117 : Ailee_25
- Track 118 : MoontowerMania_26, Fitzgerald_25
- Track 119 : Affeca_25
- Track 120 : Charming_27, Vivi2_29, Tangent_27
- Track 121 : Fosterous_25
- Track 122 : Paries_29
- Track 123 : Geodirt_24
- Track 124 : Ribeye_27
- Track 125 : Angelicage_25
- Track 126 : Keitabear_27
- Track 127 : Leonard_25, Phinally_25, Ali17_23
- Track 128 : Hans_27, MelBins_26
- Track 129 : EMoore_23
- Track 130 : Phauci_18
- Track 131 : Inspectinfecti_26
- Track 132 : Twonlo_22
- Track 133 : RoadKill_22
- Track 134 : Tiamoceli_25, Chickadee_24
- Track 135 : GTE6_24

- Track 136 : EdmundFerry_23
- Track 137 : Dexdert_25
- Track 138 : Kwekel_24
- Track 139 : Scioto_26, Sampson_26, Abblin_26, Natkenzie_26, Tardus_27
- Track 140 : Zipp_26
- Track 141 : APunk_27
- Track 142 : Delrey21_26, Verity_26
- Track 143 : ViaConlectus_26, Zitch_27
- Track 144 : DoctorFroggo_26
- Track 145 : Lilbeanie_22
- Track 146 : NHagos_19
- Track 147 : CaiB_21, MossRose_21
- Track 148 : Yago84_19
- Track 149 : CloverMinnie_21
- Track 150 : Wooper_21
- Track 151 : AnClar_20
- Track 152 : Fresco_19, Shatter_19, Ligma_19
- Track 153 : Sisko_19
- Track 154 : AnarQue_21
- Track 155 : BobRoss2024_18
- Track 156 : MakoManhole_21
- Track 157 : CharlottesWeb_19
- Track 158 : LittleMunchkin_21
- Track 159 : Coldpizza_22
- Track 160 : Sour_23
- Track 161 : Axumite_19
- Track 162 : Evaa_20
- Track 163 : Mariokart_19
- Track 164 : BiggityBass_19
- Track 165 : Honeyfin_32, Jollipop_31, Busephilis_30, Pulchra_32, Jefe_31, Savannah_30, PiperSansNom_31, CrazyRich_30, LittleFortune_32, Quhwah_34, Yeti_31, Paschalis_30, Ganandorf_30
- Track 166 : Onika_30, Scumberland_32, Antares_31, Phorgeous_30, Cranjis_32, Shotgun_30, Hermeonysus_30, BrazzalePHS_30
- Track 167 : EarickHC_31, KaiHaiDragon_31, Piperis_31
- Track 168 : Fireman_31, Metamorphoo_31, Tyumbra_29
- Track 169 : Gina_32, Teamocil_32
- Track 170 : Ramiel05_30, PierreOrion_31, Kowalski_30
- Track 171 : Megan_25
- Track 172 : RobsFeet_32
- Track 173 : NoodlelyBoi_31, ClearAsMud_33
- Track 174 : Selwyn23_32
- Track 175 : Merry_33
- Track 176 : Sunny_33
- Track 177 : Nicole72_26
- Track 178 : Smarties_39, Ariadne_39
- Track 179 : Crisis_32
- Track 180 : Jayden_32
- Track 181 : Phrancesco_31
- Track 182 : Kyva_33, Quammi_29, Sillytadpoles_32, Rudy_29, Zagie_31, FrankDeliGuy_29, Viceroy_30, Grassboy_32, Namago_31, Mashley_29, Tissue_31, Judebell_33, StrawberryJamm_33, AluminumJesus_29
- Track 183 : Gazebo_30

- Track 184 : MorillMayhem_30, SallyK_32, BabyDotz_30, EverythinBagel_31
- Track 185 : Fransoyer_33, SadLad_35
- Track 186 : Llemily_31, Jehoshaphat_33, Hyperion_30, Teehee_32, Lonelysoil_30, Zhafia_34, Wheelie_30, DonaldDuck_31, Phabia_31, Casend_32, Wayne3_32
- Track 187 : Nike_31, Statler_33
- Track 188 : CandC_29, Kelcole_29, Tempo_30
- Track 189 : Pepe25_29
- Track 190 : OneinaGillian_30
- Track 191 : Wilca_30, BirdInFrench_30
- Track 192 : Blab_29
- Track 193 : Fizzles_31
- Track 194 : RobinRose_32, Fregley_31, Romm_32
- Track 195 : RubyRalph_33
- Track 196 : Marcie_35
- Track 197 : Phinky_37
- Track 198 : Altheas_33
- Track 199 : Rowlf_27
- Track 200 : Squash_33
- Track 201 : Margaery_26
- Track 202 : Cressida_28
- Track 203 : Kozie_27
- Track 204 : MementoMori_27
- Track 205 : Cinna_26
- Track 206 : Matzah_27
- Track 207 : Terij_27
- Track 208 : Phrampa_78
- Track 209 : Talia1610_84
- Track 210 : SJReid_89
- Track 211 : Racecar_85, Bloom_88, Patbob_85, Mimi_91
- Track 212 : DunneganBoMo_78
- Track 213 : Atuin_82
- Track 214 : Dewdrop_68, Leaf_68
- Track 215 : Rasputia_62
- Track 216 : Hendrix_63
- Track 217 : A3Wally_91, PauloDiaboli_91
- Track 218 : Big4_80
- Track 219 : Zooman_76
- Track 220 : Cece_74
- Track 221 : Pumpernickel_88
- Track 222 : Taptic_16, Megabear_16
- Track 223 : Argie_17
- Track 224 : PR_16, D12_16
- Track 225 : Jeon_16, GodPhather_17
- Track 226 : Cepens_16
- Track 227 : Kithara_29
- Track 228 : TurkishDelight_23
- Track 229 : Pine5_22
- Track 230 : RomansRevenge_22
- Track 231 : FuzzBuster_35
- Track 232 : phiAsp2_19
- Track 233 : TPA2_28
- Track 234 : Tonitrus_37
- Track 235 : StAugustine_27

- Track 236 : Sunfish_36

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

The start number called the most often in the published annotations is 101, it was called in 332 of the 643 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_22, Abinghost_23, AbsoluteMadLad_21, Acadian_22, Adriana_22, Aelin_21, AlanGrant_21, AltPhacts_22, Altwerkus_21, AnClar_20, Anderson_22, Andre_22, Antonia_21, Apex_20, Apizium_21, Ashraf_21, Austelle_21, Badfish_22, Bae_21, Baloo_23, Banjo_21, Basato_23, BatteryCK_21, Beaglebox_21, BirdsNest_25, Bishoperium_21, BlackStallion_22, BlueHusk_22, Bluephacebaby_21, BobRoss2024_18, BobbyK_20, Boehler_22, Briakila_23, Brilliant_22, BrownCNA_21, Buckeye_22, Burr_21, CRB2_24, CamL_22, CampRoach_22, Cannibal_22, Carthage_20, Casbah_22, ChaChing_23, Chaelin_21, Chah_23, Charles1_22, CharlieGBrown_21, CharlottesWeb_19, CheetO_22, Cher_21, Childish_21, Chorkpop_22, Chunky_22, Chute_21, Cobra_22, Colbert_22, Coldpizza_22, Coletti_21, Cooper_20, Cornobble_21, Cosmolli16_21, Craff_22, Crownjwl_22, DaddyDaniels_22, Daffy_22, Daka_22, Dati_22, Deenasa_23, DelRivs_21, Derpp_21, Devonte_23, Dice_21, DigitDog_22, Dingo_22, Dione_21, DirtJuice_22, Doddsville_22, DoesntMatter_22, DonSanchon_21, Donny_22, DuchessDung_20, Duggie_21, Durga_22, EastView9101_21, Emiris_22, EmpTee_22, Eremos_22, Etaye_22, Eugenia_22, Evaa_20, Fanaw_19, FluffyNinja_22, Fortunato_20, Fozzie_21, Frankicide_22, Frederick_20, Fresco_19, Freya_21, FriarPreacher_22, Fringe_22, FugateOSU_21, Funsized_25, Gareth_21, GeneCoco_22, Giraffe_22, Gophee_22, Grand2040_21, Gwilliam_22, Gyarad_0022, HSavage_22, Haimas_22, Haleema_21, Halfpint_22, Hamish_22, Hangman_20, Hartsy_22, HarveySr_23, Harvey_22, Hashim76_26, Heath_19, Held_22, HenryJackson_21, Hertubise_22, Hetaeria_22, HighStump_21, Hocus_21, Horchata_22, Hydro_20, ImtiyazSitla_21, Imvubu_16, Inchworm_22, Indlovu_20, Inverness_22, Iridoclysis_22, IsaacEli_22, JDog_21, JacAttac_22, JaguarMi_20, JakeO_21, JangoPhett_22, Jillium_21, Jiminy_21, Jiraiya_22, KLucky39_22, Kahve_21, Kailash_22, KarasumaRum_24, Katniss_22, Keitherie_22, Kikipoo_22, Kimbrough_22, KingVeVeVe_22, KlimbOn_22, Kloppinator_22, Knocker_24, Kronus_22, Kwadwo_21, Kwksand96_21, Labeouficaum_21, LasagnaCat_22, Lasso_22, LeeLot_22, Lego3393_22, Legolas_21, LeiMonet_22, LemonSlice_22, Ligma_19, LilMcDreamy_19, LittleMunchkin_21, Lolalove_20, Longacauda_21, Lopsy_21, LostAndPhound_21, LuckyMarjie_21, Lulumae_21, Lulwa_22, Lumine_21, MRabcd_21, Mag7_21, Magic8_22, Magpie_19, Mana_21, Manad_21, Maru_21, Maskar_21, Matalotodo_22, Mcshane_21, Mecca_21, Megamind20_22, Megatron_22, Melc17_22, MelsMeow_21, Mesh1_22, MichaelPhcott_21, Mikota_22, MiniBoss_22, MitKao_22, Mithril_20, MmasiCarm_23, Morgushi_22, Morty_22, Mosaic_21, MrPhizzler_21, Mudslide_20, Mulan_21, Murdoc_22, Mutante_21, Mysterious_23, NHagos_19, Nacho_0022, Nangang_22, Nehemiah_21, Newman_22, Nicole21_22, Nozo_23, Numberten_22, Nyala_21, OSmaximus_22, Olak_21, Oline_21, Olive_22, OliverWalter_22, Omniscient_22, Oosterbaan_22, OrangeOswald_23, Orfeu_21, Orion_22, Orwigg_22, PG1_22, Pacifista_21, PenguinLover67_24, Phamished_22, Phareon_22, PhatCats2014_22, PhatLouie_22, Phayeta_23, Phelemich_22, PhenghisKhan_21, Pherdinand_22, Phergie_21, Philly_22, Phipps_22, Phleuron_21,

PhrankReynolds_21, PhrodoBaggins_21, Phunky_22, Piglet_0021, PinheadLarry_22, Pinkman_21, Pipefish_23, Pipsqueak_22, Placalicious_21, Plmatters_22, Podrick_22, Pops_22, Potter_21, Prickles_22, Prince_20, ProfessorX_22, Puhltonio_22, QueenBeane_22, QueenPie_19, Quesadilla_23, Quisquilliae_22, RagingRooster_23, RawrgerThat_20, RedMaple_21, Reprobate_22, Rich_21, Ricotta_21, Riggan_22, Rimu_22, Rinkes_25, Robyn_21, Roliet_22, Roscoe_23, Roy17_22, SDcharge11_22, Saguario_23, Samaymay_22, SassyCat97_21, Schadenfreude_21, Schueller_22, Scoot17C_22, Scrick_22, Selr12_22, Serendipitous_21, Serendipity_22, Serpentine_0022, Shatter_19, Sheila_22, Shenyu_22, ShiVal_22, Sigman_22, SilverBell_22, Simielle_21, SirJeffery_22, Skippy_22, Slatt_22, Soile_22, Solosis_21, Sophia_21, Soto_22, Spartan300_22, Squid_22, Squiggle_22, Sting_49, Stinger_18, StinkyVeggy_24, Struggle_21, Suffolk_22, Suigeneris_22, Surely_22, Swiphy_23, Swish_22, SynergyX_23, TPA2_28, TallGrassMM_22, Telesworld_21, Thonko_21, Thora_22, ThreeOh3D2_22, Thunderbird_21, Timmi_21, TomBombadil_22, Tomlarah_22, Toni_21, Tooj_22, True_21, Trypo_22, TyrionL_21, UAch1_22, UncleHowie_22, Usavi_22, Vaishali24_21, Valjean_22, Vaticameos_22, Veritas_21, Vincenzo_21, VioletZ_20, Virapocalypse_22, Virgeve_21, Vista_22, Vivaldi_22, Vortex_22, Waleliano_20, Wallhey_21, Waterdiva_22, Weher20_22, Windsor_21, Xavier_21, Xincheng_19, Yinz_23, Yoshand_22, YouGoGlencoco_22, Zaider_23, Zelda_22, Zemanar_21, Zenteno07_26, Zonia_22,

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

- Ahwei_19, Akoma_23, AnarQue_21, Antihero_19, Athena_24, Audrey_23, Axumite_19, Ben11_22, Bernardo_23, BiggityBass_19, CaiB_21, Chandler_23, ChrisnMich_19, CloverMinnie_21, Compostia_24, Corofin_23, Daisy_23, DonTron_50, Epah_19, Fang_22, Gadget_24, Gervas_23, GinPorsche_19, GlenHope_24, Hally898_19, Heathcliff_23, JAMaL_20, Jackstina_21, Kamiyu_23, KingstonB_51, Lambano_19, LestyG_23, MakoManhole_21, Mariokart_19, Marley1013_23, Mortcellus_22, Morty007_23, MossRose_21, Nanao_19, Neos5_23, Nigel_18, Obutu_23, Phaedrus_21, Phlyer_23, Poster_19, Rita1961_23, RomaT_23, Sisko_19, SlippinJimmy_23, Soos_46, Sour_23, Tydolla_23, Wooper_21, Yago84_19, Yahalom_23,

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

- 39HC_018, 40BC_018, A3Wally_91, APunk_27, AWGoat_24, Abblin_26, Abt2graduatex2_18, Affeca_25, Ailee_25, Ali17_23, Allegro_24, Altheas_33, AluminumJesus_29, Angelicage_25, Antares_31, Arbiter_24, Ares_24, Argie_17, Ariadne_39, Arri_26, Ashertheman_27, Asis_17, Atuin_82, BabyDotz_30, BabyGotBac_17, Baddon_26, Bakery_24, Bananafish_24, Barb_25, Barsten_27, Baumdotcom_26, BayC_17, Beagle_32, Belphegor_25, Bibwit_26, Big4_80, BirdInFrench_30, Bizzy_27, Blab_29, Blocker23_24, Bloom_88, BobBob_24, Boyle_24, Brandonk123_28, BrazzalePHS_30, Brownie5_24, BruhMoment_26, Busephilis_30, Calamitous_24, CandC_29, Casend_32, Cece_74, Cepens_16, ChadMasterC_27, Charming_27, Chickadee_24, Cinna_26, ClamChowder_25, Clawz_50, ClearAsMud_33, Clown_27, Coffee_24, ColdSoup_51, CoveyB_26, Cranjis_32, CrazyRich_30, Cressida_28, Crisis_32, D12_16, Danyall_25, Delrey21_26, Derg_24, Dewdrop_68, Dexdert_25, DoctorFroggo_26, DonaldDuck_31, Dori_19, DunneganBoMo_78, EMOore_23, Eaglehorse_24, EarickHC_31, EdmundFerry_23, Evamon_23, EverythinBagel_31, Faze9_24, Fireball_24, Fireman_31, Fitzgerald_25, Fizzles_31, Flatwoods_27, Fosterous_25, FrankDeliGuy_29, Fransoyer_33, Fregley_31, FrenchFry_24, Fugax_25, FuzzBuster_35, GTE6_24, Gaea_26, Galadriel_27, Ganandorf_30, Gazebo_30,

Geodirt_24, Gezellig_24, Gina_32, Glass_24, GodPhather_17, Godines_24, Grassboy_32, Gustavo_26, Halo3_24, Hans_27, Hedgerow_24, Hendrix_63, Hermeonysus_30, Holeinone_24, Honeyfin_32, Hosp_016, Hyperion_30, Inspectinfecti_26, ItsyBitsy1_24, JKSyngboy_24, Jabberwocky_25, Jambalaya_23, Jayden_32, Jefe_31, Jehoshaphat_33, Jeon_16, Jolie1_018, Jollipop_31, Jollymon_51, Judebell_33, KaiHaiDragon_31, Kaleb_24, Kamashten_26, KayaCho_18, Keitabear_27, Kelcole_29, Kewpiedoll_26, Kheth_24, KimmyK_25, Kithara_29, Kowalski_30, Kozie_27, Kroos_27, Kwekel_24, Kwobi_27, Kyva_33, Lars_24, Laurie_24, Leaf_68, Lennon_27, Leonard_25, Lephleur_24, LilHam_24, Lilbeanie_22, LittleFortune_32, LizLemon_24, Llemily_31, Lonelysoil_30, Love_30, Maih_17, Mao1_18, Marcie_35, Margaery_26, Mashley_29, Mask_19, MasterPo_24, Matzah_27, McKinley_29, Megabear_16, Megan_25, MelBins_26, MellowYellow_28, MementoMori_27, Merry_33, Metamorphoo_31, Mimi_91, Mischief19_25, MoontowerMania_26, MorillMayhem_30, Mutzi_25, Namago_31, Natkenzie_26, Nicole72_26, Nike_31, NoodlelyBoi_31, Nordenberg_21, Nubi_23, NyleyClemson_27, Odyssey395_33, OneinaGillian_30, Onika_30, Opia_24, PR_16, Paries_29, Paschalis_30, Patbob_85, PauloDiaboli_91, Pepe25_29, Phabia_31, Phantasmagoria_24, Phauci_18, Phinally_25, Phinky_37, Phlop_23, Phorgeous_30, Phrampa_78, Phrancesco_31, PierreOrion_31, Pine5_22, PinkCoffee_25, PiperSansNom_31, Piperis_31, Pointis_31, Portcullis_23, Pulchra_32, PullumCavea_23, Pumpernickel_88, Pureglobe5_33, Quammi_29, Quhwah_34, Qyrzula_22, Racecar_85, RainyPolka_18, Ramiel05_30, Ranunculus_25, Rasputia_62, Rhinoforte_24, Ribeye_27, RiverRaider_27, Rizwana_25, RoadKill_22, RobinRose_32, RobsFeet_32, Rofo_27, RogerDodger_26, RomansRevenge_22, Romm_32, Rosebush_24, Rowlf_27, RubyRalph_33, Rudy_29, SJReid_89, Sabella_24, SadLad_35, Salete_17, SallyK_32, Salvador_23, Sampson_26, Sanjuju_25, Saronaya_26, Savannah_30, Savbucketdawg_23, SchottB_25, Scioto_26, Scumberland_32, Sedona_27, Sejanus_19, Selwyn23_32, Shinji_23, Shivanishola_28, Shotgun_30, SilentRX_26, Sillytadpoles_32, Sitar_27, Smarties_39, SmokingBunny_23, Squash_33, StAugustine_27, Statler_33, StorminNorm_26, StrawberryJamm_33, Stultus_25, Sunfish_36, Sunny_33, TA17A_24, TP1604_17, Talia1610_84, Tangent_27, Tangerine_26, Tank_26, Taptic_16, Tardus_27, Teamocil_32, Teehee_32, Tempo_30, Terij_27, Thing3_26, Tiamoceli_25, TillyBobJoe_23, Tinciduntolum_25, Tissue_31, Togo_23, Tonitrus_37, Tres_24, TurkishDelight_23, Twister6_25, Twonlo_22, Tycho_26, Tyrumbra_29, Valary_26, VanDeWege_26, Verity_26, ViaConlectus_26, Vic9_25, Viceroy_30, Vivi2_29, Wayne3_32, West99_24, Wheelie_30, Wilca_30, Wilde_26, Wizard_23, Xkcd426_23, YDN12_18, Yeti_31, YorkOnyx_27, YungMoney_25, Zagie_31, Zhafia_34, Zipp_26, Zitch_27, Zooman_76, phiAsp2_19,

Summary by start number:

Start 62:

- Found in 1 of 741 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 643
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Megan_25 (EC),

Start 68:

- Found in 50 of 741 (6.7%) of genes in pham
- Manual Annotations of this start: 8 of 643
- Called 20.0% of time when present

- Phage (with cluster) where this start called: Ben11_22 (B3), Compostia_24 (B3), Gervas_23 (B3), GlenHope_24 (B3), Jackstina_21 (B3), LestyG_23 (B3), Marley1013_23 (B3), Rita1961_23 (B3), SlippinJimmy_23 (B3), Tydolla_23 (B3),

Start 69:

- Found in 10 of 741 (1.3%) of genes in pham
- No Manual Annotations of this start.
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Ahwei_19 (B4), Antihero_19 (B4), Epah_19 (B4), GinPorsche_19 (B4), Hally898_19 (B4), Lambano_19 (B4), Nanao_19 (B4), Poster_19 (B4),

Start 71:

- Found in 3 of 741 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 643
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Nicole72_26 (EC),

Start 72:

- Found in 33 of 741 (4.5%) of genes in pham
- Manual Annotations of this start: 29 of 643
- Called 87.9% of time when present
- Phage (with cluster) where this start called: Antares_31 (EC), BrazzalePHS_30 (EC), Busephilis_30 (EC), ClearAsMud_33 (EC), Cranjis_32 (EC), CrazyRich_30 (EC), Crisis_32 (EC), EarickHC_31 (EC), Ganandorf_30 (EC), Hermeonysus_30 (EC), Honeyfin_32 (EC), Jefe_31 (EC), Jollipop_31 (EC), KaiHaiDragon_31 (EC), LittleFortune_32 (EC), NoodlelyBoi_31 (EC), Onika_30 (EC), Paschalis_30 (EC), Phorgeous_30 (EC), Phrancesco_31 (EC), PiperSansNom_31 (EC), Piperis_31 (EC), Pulchra_32 (EC), Quhwah_34 (EC), Savannah_30 (EC), Scumberland_32 (EC), Selwyn23_32 (EC), Shotgun_30 (EC), Yeti_31 (EC),

Start 73:

- Found in 1 of 741 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 643
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ChrisnMich_19 (B4),

Start 74:

- Found in 8 of 741 (1.1%) of genes in pham
- Manual Annotations of this start: 8 of 643
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ariadne_39 (EC), Fireman_31 (EC), Gina_32 (EC), Metamorphoo_31 (EC), RobsFeet_32 (EC), Smarties_39 (EC), Teamocil_32 (EC), Tyrumbra_29 (EC),

Start 79:

- Found in 21 of 741 (2.8%) of genes in pham
- Manual Annotations of this start: 4 of 643
- Called 23.8% of time when present
- Phage (with cluster) where this start called: FuzzBuster_35 (singleton), Jayden_32 (EC), Kowalski_30 (EC), PierreOrion_31 (EC), Ramiel05_30 (EC),

Start 81:

- Found in 3 of 741 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 643
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Nigel_18 (B4),

Start 83:

- Found in 7 of 741 (0.9%) of genes in pham
- Manual Annotations of this start: 7 of 643
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cinna_26 (EI), Cressida_28 (EI), Kozie_27 (EI), Margaery_26 (EI), Matzah_27 (EI), MementoMori_27 (EI), Terij_27 (EI),

Start 84:

- Found in 1 of 741 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 643
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JAMaL_20 (B4),

Start 86:

- Found in 7 of 741 (0.9%) of genes in pham
- Manual Annotations of this start: 3 of 643
- Called 42.9% of time when present
- Phage (with cluster) where this start called: Axumite_19 (DR), Sisko_19 (DR), Sour_23 (DR),

Start 88:

- Found in 6 of 741 (0.8%) of genes in pham
- Manual Annotations of this start: 6 of 643
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnarQue_21 (DR), CaiB_21 (DR), CloverMinnie_21 (DR), MakoManhole_21 (DR), MossRose_21 (DR), Wooper_21 (DR),

Start 89:

- Found in 35 of 741 (4.7%) of genes in pham
- Manual Annotations of this start: 29 of 643
- Called 91.4% of time when present
- Phage (with cluster) where this start called: Allegro_24 (B2), Ares_24 (B2), Bananafish_24 (B2), Blocker23_24 (B2), Boyle_24 (B2), Brownie5_24 (B2), Calamitous_24 (B2), Coffee_24 (B2), Eaglehorse_24 (B2), Faze9_24 (B2), FrenchFry_24 (B2), Glass_24 (B2), Godines_24 (B2), Hedgerow_24 (B2), Holeinone_24 (B2), ItsyBitsy1_24 (B2), Kaleb_24 (B2), Kheth_24 (B2), Lars_24 (B2), Laurie_24 (B2), Lephleur_24 (B2), LizLemon_24 (B2), MasterPo_24 (B2), Opia_24 (B2), Phantasmagoria_24 (B2), Rhinoforte_24 (B2), Sabella_24 (B2), TA17A_24 (B2), Tinciduntolum_25 (B2), Tres_24 (B2), Vic9_25 (B2), West99_24 (B2),

Start 92:

- Found in 3 of 741 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 643
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Delrey21_26 (DE4), Verity_26 (DE4),

Start 93:

- Found in 11 of 741 (1.5%) of genes in pham
- Manual Annotations of this start: 2 of 643
- Called 18.2% of time when present
- Phage (with cluster) where this start called: Hendrix_63 (GC), Rasputia_62 (GC),

Start 96:

- Found in 2 of 741 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 643
- Called 50.0% of time when present
- Phage (with cluster) where this start called: BiggityBass_19 (DR),

Start 97:

- Found in 4 of 741 (0.5%) of genes in pham
- Manual Annotations of this start: 4 of 643
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dori_19 (AD), Mao1_18 (AD), Mask_19 (AD), Sejanus_19 (AD),

Start 99:

- Found in 1 of 741 (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: StAugustine_27 (singleton),

Start 100:

- Found in 5 of 741 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 643
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 39HC_018 (B6), 40BC_018 (B6), Hosp_016 (B6), Jolie1_018 (B6), KayaCho_18 (B6),

Start 101:

- Found in 416 of 741 (56.1%) of genes in pham
- Manual Annotations of this start: 332 of 643
- Called 86.8% of time when present
- Phage (with cluster) where this start called: ABU_22 (B1), Abinghost_23 (B3), AbsoluteMadLad_21 (B1), Acadian_22 (B5), Adriana_22 (B1), Aelin_21 (B1), AlanGrant_21 (B4), AltPhacts_22 (B1), Altwerkus_21 (B1), AnClar_20 (DR), Anderson_22 (B1), Andre_22 (B1), Antonia_21 (B1), Apex_20 (B4), Apizium_21 (B1), Ashraf_21 (B1), Austelle_21 (B4), Badfish_22 (B1), Bae_21 (B5), Baloo_23 (B3), Banjo_21 (B1), Basato_23 (B1), BatteryCK_21 (B1), Beaglebox_21 (B1), BirdsNest_25 (B13), Bishoperium_21 (B1), BlackStallion_22 (B1), BlueHusk_22 (B1), Bluephacebaby_21 (B1), BobRoss2024_18 (DR), BobbyK_20 (B4), Boehler_22 (B1), Briakila_23 (B3), Brilliant_22 (B1), BrownCNA_21 (B4), Buckeye_22 (B1), Burr_21 (B1), CRB2_24 (B9), CamL_22 (B1), CampRoach_22 (B1), Cannibal_22 (B1), Carthage_20 (B1), Casbah_22 (B3), ChaChing_23 (B3), Chaelin_21 (B1), Chah_23 (B1), Charles1_22 (B1), CharlieGBrown_21 (B1), CharlottesWeb_19 (DR), CheetO_22 (B1), Cher_21 (B1), Childish_21 (B1), Chorkpop_22 (B1), Chunky_22 (B1), Chute_21 (B1), Cobra_22 (B1), Colbert_22 (B1), Coldpizza_22 (DR), Coletti_21 (B1), Cooper_20 (B4), Cornobble_21 (B1), Cosmolli16_21 (B1), Craff_22 (B1), Crownjwl_22 (B1), DaddyDaniels_22 (B1), Daffy_22 (B1), Daka_22 (B1), Dati_22 (B1), Deenasa_23 (B3), DelRivs_21 (B1), Derpp_21 (B1), Devonte_23 (B3), Dice_21

(B1), DigitDog_22 (B5), Dingo_22 (B1), Dione_21 (B1), DirtJuice_22 (B1), Doddsville_22 (B1), DoesntMatter_22 (B1), DonSanchon_21 (B1), Donny_22 (B5), DuchessDung_20 (B1), Duggie_21 (B1), Durga_22 (B1), EastView9101_21 (B5), Emiris_22 (B1), EmpTee_22 (B1), Eremos_22 (B1), Etaye_22 (B1), Eugenia_22 (B1), Evaa_20 (DR), Fanaw_19 (B4), FluffyNinja_22 (B1), Fortunato_20 (B4), Fozzie_21 (B1), Frankicide_22 (B1), Frederick_20 (B4), Fresco_19 (DR), Freya_21 (B1), FriarPreacher_22 (B1), Fringe_22 (B1), FugateOSU_21 (B1), Funsized_25 (B9), Gareth_21 (B1), GeneCoco_22 (B1), Giraffe_22 (B1), Gophee_22 (B1), Grand2040_21 (B1), Gwilliam_22 (B1), Gyarad_0022 (B1), HSavage_22 (B1), Haimas_22 (B1), Haleema_21 (B1), Halfpint_22 (B3), Hamish_22 (B1), Hangman_20 (B4), Hartsy_22 (B1), HarveySr_23 (B3), Harvey_22 (B1), Hashim76_26 (B13), Heath_19 (B4), Held_22 (B1), HenryJackson_21 (B1), Hertubise_22 (B1), Hetaeria_22 (B1), HighStump_21 (B1), Hocus_21 (B1), Horchata_22 (B1), Hydro_20 (B4), ImtiyazSitla_21 (B1), Imvubu_16 (B10), Inchworm_22 (B1), Indlovu_20 (B11), Inverness_22 (B1), Iridoclysis_22 (B1), IsaacEli_22 (B1), JDog_21 (B1), JacAttac_22 (B1), JaguarMi_20 (B4), JakeO_21 (B1), JangoPhett_22 (B1), Jillium_21 (B1), Jiminy_21 (B1), Jiraiya_22 (B1), KLucky39_22 (B1), Kahve_21 (B1), Kailash_22 (B1), KarasumaRum_24 (B5), Katniss_22 (B1), Keitherie_22 (B1), Kikipoo_22 (B1), Kimbrough_22 (B1), KingVeVeVe_22 (B1), KlimbOn_22 (B1), Kloppinator_22 (B1), Knocker_24 (B9), Kronus_22 (B3), Kwadwo_21 (B1), Kwksand96_21 (B1), Labeouficaum_21 (B1), LasagnaCat_22 (B1), Lasso_22 (B1), LeeLot_22 (B1), Lego3393_22 (B1), Legolas_21 (B1), LeiMonet_22 (B1), LemonSlice_22 (B1), Ligma_19 (DR), LilMcDreamy_19 (B12), LittleMunchkin_21 (DR), Lolalove_20 (B4), Longacauda_21 (B1), Lopsy_21 (B1), LostAndPhound_21 (B1), LuckyMarjie_21 (B1), Lulumae_21 (B1), Lulwa_22 (B1), Lumine_21 (B1), MRabcd_21 (B1), Mag7_21 (B1), Magic8_22 (B1), Magpie_19 (B4), Mana_21 (B1), Manad_21 (B1), Maru_21 (B1), Maskar_21 (B1), Matalotodo_22 (B1), Mcshane_21 (B1), Mecca_21 (B1), Megamind20_22 (B1), Megatron_22 (B1), Melc17_22 (B1), MelsMeow_21 (B1), Mesh1_22 (B1), MichaelPhcott_21 (B1), Mikota_22 (B1), MiniBoss_22 (B1), MitKao_22 (B1), Mithril_20 (B4), MmasiCarm_23 (B3), Morgushi_22 (B1), Morty_22 (B1), Mosaic_21 (B1), MrPhizzler_21 (B1), Mudslide_20 (B4), Mulan_21 (B1), Murdoc_22 (B1), Mutante_21 (B1), Mysterious_23 (B5), NHagos_19 (DR), Nacho_0022 (B1), Nangang_22 (B5), Nehemiah_21 (B5), Newman_22 (B1), Nicole21_22 (B1), Nozo_23 (B3), Numberten_22 (B1), Nyala_21 (B1), OSmaximus_22 (B1), Olak_21 (B1), Oline_21 (B1), Olive_22 (B1), OliverWalter_22 (B1), Omniscient_22 (B1), Oosterbaan_22 (B1), OrangeOswald_23 (B3), Orfeu_21 (B1), Orion_22 (B1), Orwigg_22 (B1), PG1_22 (B1), Pacifista_21 (B1), PenguinLover67_24 (B9), Phamished_22 (B1), Phareon_22 (B1), PhatCats2014_22 (B1), PhatLouie_22 (B1), Phayeta_23 (B3), Phelemich_22 (B5), PhenghisKhan_21 (B1), Pherdinand_22 (B1), Phergie_21 (B1), Philly_22 (B3), Phipps_22 (B1), Phleuron_21 (B1), PhrankReynolds_21 (B1), PhrodoBaggins_21 (B1), Phunky_22 (B1), Piglet_0021 (B1), PinheadLarry_22 (B1), Pinkman_21 (B1), Pipefish_23 (B3), Pipsqueak_22 (B1), Placalicious_21 (B1), Plmatters_22 (B1), Podrick_22 (B1), Pops_22 (B1), Potter_21 (B1), Prickles_22 (B1), Prince_20 (B4), ProfessorX_22 (B1), Puhltonio_22 (B1), QueenBeane_22 (B1), QueenPie_19 (B4), Quesadilla_23 (B9), Quisquilliae_22 (B1), RagingRooster_23 (B3), RawrgerThat_20 (B4), RedMaple_21 (B1), Reprobate_22 (B5), Rich_21 (B5), Ricotta_21 (B1), Riggan_22 (B1), Rimu_22 (B1), Rinkes_25 (B9), Robyn_21 (B1), Roliet_22 (B1), Roscoe_23 (B1), Roy17_22 (B1), SDcharge11_22 (B1), Saguario_23 (B7), Samaymay_22 (B1), SassyCat97_21 (B1), Schadenfreude_21 (B1), Schueller_22 (B1), Scoot17C_22 (B1), Scrick_22 (B1), Selr12_22 (B1), Serendipitous_21 (B5), Serendipity_22 (B1), Serpentine_0022 (B1), Shatter_19 (DR), Sheila_22 (B1), Shenyu_22 (B5), ShiVal_22 (B1), Sigman_22 (B1), SilverBell_22 (B1), Simielle_21 (B1), SirJeffery_22 (B5), Skippy_22 (B1), Slatt_22

(B1), Soile_22 (B1), Solosis_21 (B1), Sophia_21 (B1), Soto_22 (B1), Spartan300_22 (B1), Squid_22 (B1), Squiggle_22 (B1), Sting_49 (CP), Stinger_18 (B4), StinkyVeggy_24 (B5), Struggle_21 (B1), Suffolk_22 (B1), Suigeneris_22 (B5), Surely_22 (B1), Swiphy_23 (B1), Swish_22 (B1), SynergyX_23 (B3), TPA2_28 (singleton), TallGrassMM_22 (B1), Telesworld_21 (B1), Thonko_21 (B8), Thora_22 (B1), ThreeOh3D2_22 (B1), Thunderbird_21 (B1), Timmi_21 (B1), TomBombadil_22 (B1), Tomlarah_22 (B1), Toni_21 (B1), Tooj_22 (B1), True_21 (B1), Trypo_22 (B1), TyrionL_21 (B1), UAch1_22 (B1), UncleHowie_22 (B1), Usavi_22 (B1), Vaishali24_21 (B1), Valjean_22 (B1), Vaticameos_22 (B1), Veritas_21 (B1), Vincenzo_21 (B4), VioletZ_20 (B4), Virapocalypse_22 (B1), Virgeve_21 (B1), Vista_22 (B1), Vivaldi_22 (B1), Vortex_22 (B1), Waleliano_20 (B4), Wallhey_21 (B1), Waterdiva_22 (B1), Weher20_22 (B1), Windsor_21 (B1), Xavier_21 (B1), Xincheng_19 (B4), Yinz_23 (B3), Yoshand_22 (B1), YouGoGlencoco_22 (B1), Zaider_23 (B1), Zelda_22 (B1), Zemanar_21 (B4), Zenteno07_26 (B13), Zonia_22 (B1),

Start 103:

- Found in 3 of 741 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 66.7% of time when present
- Phage (with cluster) where this start called: BirdInFrench_30 (EG), Wilca_30 (EG),

Start 104:

- Found in 8 of 741 (1.1%) of genes in pham
- Manual Annotations of this start: 8 of 643
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Argie_17 (W), Cepens_16 (W), D12_16 (W), GodPhather_17 (W), Jeon_16 (W), Megabear_16 (W), PR_16 (W), Taptic_16 (W),

Start 107:

- Found in 1 of 741 (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_22 (singleton),

Start 108:

- Found in 71 of 741 (9.6%) of genes in pham
- Manual Annotations of this start: 20 of 643
- Called 31.0% of time when present
- Phage (with cluster) where this start called: Akoma_23 (B3), Athena_24 (B3), Audrey_23 (B3), Bernardo_23 (B3), Chandler_23 (B3), Corofin_23 (B3), Daisy_23 (B3), Gadget_24 (B3), Heathcliff_23 (B3), Kamiyu_23 (B3), Mariokart_19 (DR), Merry_33 (EC), Mortcellus_22 (B3), Morty007_23 (B3), Neos5_23 (B3), Obutu_23 (B3), Phaedrus_21 (B3), Phlyer_23 (B3), RomaT_23 (B3), Sunny_33 (EC), Yago84_19 (DR), Yahalom_23 (B3),

Start 111:

- Found in 58 of 741 (7.8%) of genes in pham
- Manual Annotations of this start: 39 of 643
- Called 93.1% of time when present
- Phage (with cluster) where this start called: Altheas_33 (EG), AluminumJesus_29 (EG), BabyDotz_30 (EG), Blab_29 (EG), CandC_29 (EG), Casend_32 (EG),

Clawz_50 (CP), ColdSoup_51 (CP), DonTron_50 (CP), DonaldDuck_31 (EG), EverythinBagel_31 (EG), Fizzles_31 (EG), FrankDeliGuy_29 (EG), Fransoyer_33 (EG), Fregley_31 (EG), Gazebo_30 (EG), Grassboy_32 (EG), Hyperion_30 (EG), Jehoshaphat_33 (EG), Jollymon_51 (CP), Judebell_33 (EG), Kelcole_29 (EG), Kyva_33 (EG), Llemily_31 (EG), Lonelysoil_30 (EG), Marcie_35 (EG), Mashley_29 (EG), MorillMayhem_30 (EG), Namago_31 (EG), Nike_31 (EG), OneinaGillian_30 (EG), Pepe25_29 (EG), Phabia_31 (EG), Phinky_37 (EG), Quammi_29 (EG), RobinRose_32 (EG), Romm_32 (EG), RubyRalph_33 (EG), Rudy_29 (EG), SadLad_35 (EG), SallyK_32 (EG), Sillytadpoles_32 (EG), Soos_46 (CP), Squash_33 (EG), Statler_33 (EG), StrawberryJamm_33 (EG), Teehee_32 (EG), Tempo_30 (EG), Tissue_31 (EG), Viceroy_30 (EG), Wayne3_32 (EG), Wheelie_30 (EG), Zagie_31 (EG), Zhafia_34 (EG),

Start 112:

- Found in 10 of 741 (1.3%) of genes in pham
- Manual Annotations of this start: 1 of 643
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Rowlf_27 (EG), Sunfish_36 (singleton),

Start 113:

- Found in 1 of 741 (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: Kithara_29 (singleton),

Start 114:

- Found in 6 of 741 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 643
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Tonitrus_37 (singleton),

Start 115:

- Found in 96 of 741 (13.0%) of genes in pham
- Manual Annotations of this start: 80 of 643
- Called 97.9% of time when present
- Phage (with cluster) where this start called: APunk_27 (DE4), Abblin_26 (DE4), Abt2graduatex2_18 (BG), Affeca_25 (DE1), Ailee_25 (DE1), Ali17_23 (DE2), Angelicage_25 (DE1), Ashertheman_27 (DE1), Asis_17 (BG), BabyGotBac_17 (BG), Baddon_26 (DE1), Barsten_27 (DE1), Baumdotcom_26 (DE1), BayC_17 (BG), Belphegor_25 (DE), Bibwit_26 (DE1), Bizzy_27 (DE1), BobBob_24 (DE1), Brandonk123_28 (DE1), ChadMasterC_27 (DE1), Charming_27 (DE1), Chickadee_24 (DE3), Derg_24 (DE1), Dewdrop_68 (GC), Dexdert_25 (DE3), DoctorFroggo_26 (DE4), EMoore_23 (DE2), EdmundFerry_23 (DE3), Fitzgerald_25 (DE1), Flatwoods_27 (DE1), Fosterous_25 (DE1), GTE6_24 (DE3), Gaea_26 (DE1), Galadriel_27 (DE1), Geodirt_24 (DE1), Gustavo_26 (DE1), Hans_27 (DE2), Inspectinfecti_26 (DE2), JKSyngboy_24 (DE1), Jabberwocky_25 (DE1), Kamashten_26 (DE1), Keitabear_27 (DE1), Kewpiedoll_26 (DE1), Kroos_27 (DE1), Kwekel_24 (DE3), Kwobi_27 (DE1), Leaf_68 (GC), Lennon_27 (DE1), Leonard_25 (DE2), LilHam_24 (DE1), Lilbeanie_22 (DE5), Love_30 (DE1), Maih_17 (BG), McKinley_29 (DE1), MelBins_26 (DE2), Mischief19_25 (BG), MoontowerMania_26 (DE1), Natkenzie_26 (DE4), Nordenberg_21 (DE1), Paries_29 (DE1), Phauci_18 (DE2), Phinally_25 (DE2), RainyPolka_18 (BG), Ribeye_27 (DE1), RiverRaider_27 (DE1), RoadKill_22 (DE3), Rofo_27 (DE1), Salete_17 (BG), Sampson_26 (DE4),

Sanjuju_25 (DE1), Saronaya_26 (DE1), SchottB_25 (DE1), Scioto_26 (DE4), Sedona_27 (DE1), Shivanishola_28 (DE1), Sitar_27 (DE1), StorminNorm_26 (DE1), Stultus_25 (DE1), TP1604_17 (BG), Tangent_27 (DE1), Tangerine_26 (DE1), Tardus_27 (DE4), Thing3_26 (DE1), Tiamoceli_25 (DE3), TurkishDelight_23 (singleton), Twonlo_22 (DE3), Tycho_26 (DE1), ViaConlectus_26 (DE4), Vivi2_29 (DE1), Xkcd426_23 (BG), YDN12_18 (BG), YorkOnyx_27 (DE1), Zipp_26 (DE4), Zitch_27 (DE4),

Start 116:

- Found in 6 of 741 (0.8%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: phiAsp2_19 (singleton),

Start 117:

- Found in 6 of 741 (0.8%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: KingstonB_51 (CP),

Start 118:

- Found in 42 of 741 (5.7%) of genes in pham
- Manual Annotations of this start: 29 of 643
- Called 76.2% of time when present
- Phage (with cluster) where this start called: Arri_26 (DC1), Bakery_24 (DC1), Barb_25 (DC1), ClamChowder_25 (DC1), Clown_27 (DC2), CoveyB_26 (DC1), Danyall_25 (DC1), Evamon_23 (DC1), Fireball_24 (DC1), Fugax_25 (DC1), Gezellig_24 (DC1), Halo3_24 (DC1), Jambalaya_23 (DC1), KimmyK_25 (DC1), Mutzi_25 (DC1), Nubi_23 (DC1), Phlop_23 (DC1), PinkCoffee_25 (DC1), Portcullis_23 (DC1), PullumCavea_23 (DC1), RogerDodger_26 (DC1), Salvador_23 (DC1), Savbucketdawg_23 (DC1), Shinji_23 (DC1), SmokingBunny_23 (DC1), TillyBobJoe_23 (DC1), Togo_23 (DC1), Twister6_25 (DC1), Valary_26 (DC1), VanDeWege_26 (DC1), Wizard_23 (DC1), YungMoney_25 (DC1),

Start 123:

- Found in 95 of 741 (12.8%) of genes in pham
- Manual Annotations of this start: 1 of 643
- Called 1.1% of time when present
- Phage (with cluster) where this start called: Fang_22 (B1),

Start 142:

- Found in 6 of 741 (0.8%) of genes in pham
- Manual Annotations of this start: 6 of 643
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A3Wally_91 (GD1), Big4_80 (GD2), Cece_74 (GD3), PauloDiaboli_91 (GD1), Pumpernickel_88 (GD4), Zooman_76 (GD2),

Start 145:

- Found in 1 of 741 (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: RomansRevenge_22 (singleton),

Start 149:

- Found in 13 of 741 (1.8%) of genes in pham
- Manual Annotations of this start: 12 of 643
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AWGoat_24 (AP4), Beagle_32 (AP2), BruhMoment_26 (AP3), MellowYellow_28 (AP2), NyleyClemson_27 (AP2), Odyssey395_33 (AP2), Pointis_31 (AP2), Pureglobe5_33 (AP2), Ranunculus_25 (AP), Rizwana_25 (AP1), SilentRX_26 (AP4), Tank_26 (AP1), Wilde_26 (AP1),

Start 159:

- Found in 35 of 741 (4.7%) of genes in pham
- Manual Annotations of this start: 3 of 643
- Called 8.6% of time when present
- Phage (with cluster) where this start called: Arbiter_24 (B2), Qyrzula_22 (B2), Rosebush_24 (B2),

Start 163:

- Found in 323 of 741 (43.6%) of genes in pham
- Manual Annotations of this start: 2 of 643
- Called 2.8% of time when present
- Phage (with cluster) where this start called: Atuin_82 (FC), Bloom_88 (FC), DunneganBoMo_78 (FC), Mimi_91 (FC), Patbob_85 (FC), Phrampa_78 (FC), Racecar_85 (FC), SJReid_89 (FC), Talia1610_84 (FC),

Summary by clusters:

There are 41 clusters represented in this pham: GD1, singleton, BG, GD4, AP2, AP3, AP1, GD2, AP4, FC, B12, B13, B10, B11, GD3, DR, DE, EI, AD, EG, EC, AP, GC, 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 97 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster AP:

- Start number 149 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP1:

- Start number 149 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:

- Start number 149 was manually annotated 5 times for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 149 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:

- Start number 149 was manually annotated 2 times for cluster AP4.

Info for manual annotations of cluster B1:

- Start number 101 was manually annotated 261 times for cluster B1.
- Start number 123 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B10:

- Start number 101 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 101 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 101 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 101 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B2:

- Start number 89 was manually annotated 29 times for cluster B2.

- Start number 159 was manually annotated 3 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 68 was manually annotated 8 times for cluster B3.

- Start number 101 was manually annotated 19 times for cluster B3.

- Start number 108 was manually annotated 18 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 73 was manually annotated 1 time for cluster B4.

- Start number 81 was manually annotated 1 time for cluster B4.

- Start number 84 was manually annotated 1 time for cluster B4.

- Start number 101 was manually annotated 22 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 101 was manually annotated 9 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 100 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 101 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 101 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 101 was manually annotated 6 times for cluster B9.

Info for manual annotations of cluster BG:

- Start number 115 was manually annotated 10 times for cluster BG.

Info for manual annotations of cluster CP:

- Start number 101 was manually annotated 1 time for cluster CP.

- Start number 111 was manually annotated 2 times for cluster CP.

Info for manual annotations of cluster DC1:

- Start number 118 was manually annotated 28 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 118 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 115 was manually annotated 44 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 115 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 115 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 92 was manually annotated 2 times for cluster DE4.
- Start number 115 was manually annotated 7 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 115 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DR:

- Start number 86 was manually annotated 3 times for cluster DR.
- Start number 88 was manually annotated 6 times for cluster DR.
- Start number 96 was manually annotated 1 time for cluster DR.
- Start number 101 was manually annotated 7 times for cluster DR.
- Start number 108 was manually annotated 2 times for cluster DR.

Info for manual annotations of cluster EC:

- Start number 62 was manually annotated 1 time for cluster EC.
- Start number 71 was manually annotated 1 time for cluster EC.
- Start number 72 was manually annotated 29 times for cluster EC.
- Start number 74 was manually annotated 8 times for cluster EC.
- Start number 79 was manually annotated 3 times for cluster EC.

Info for manual annotations of cluster EG:

- Start number 111 was manually annotated 37 times for cluster EG.
- Start number 112 was manually annotated 1 time for cluster EG.

Info for manual annotations of cluster EI:

- Start number 83 was manually annotated 7 times for cluster EI.

Info for manual annotations of cluster FC:

- Start number 163 was manually annotated 2 times for cluster FC.

Info for manual annotations of cluster GC:

- Start number 93 was manually annotated 2 times for cluster GC.
- Start number 115 was manually annotated 2 times for cluster GC.

Info for manual annotations of cluster GD1:

- Start number 142 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 142 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 142 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 142 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster W:

- Start number 104 was manually annotated 8 times for cluster W.

Gene Information:

Gene: 39HC_018 Start: 16237, Stop: 16980, Start Num: 100

Candidate Starts for 39HC_018:

(Start: 100 @16237 has 1 MA's), (Start: 114 @16264 has 1 MA's), (129, 16297), (157, 16348), (173, 16402), (175, 16408), (198, 16456), (212, 16471), (239, 16501), (256, 16546), (263, 16567), (269, 16585), (270, 16588), (272, 16600), (303, 16714), (308, 16738), (330, 16831), (342, 16882), (359, 16957), (365, 16972),

Gene: 40BC_018 Start: 16237, Stop: 16980, Start Num: 100

Candidate Starts for 40BC_018:

(Start: 100 @16237 has 1 MA's), (Start: 114 @16264 has 1 MA's), (129, 16297), (157, 16348), (173, 16402), (175, 16408), (198, 16456), (212, 16471), (239, 16501), (256, 16546), (263, 16567), (269, 16585), (270, 16588), (272, 16600), (303, 16714), (308, 16738), (330, 16831), (342, 16882), (359, 16957), (365, 16972),

Gene: A3Wally_91 Start: 49023, Stop: 49784, Start Num: 142

Candidate Starts for A3Wally_91:

(Start: 142 @49023 has 6 MA's), (169, 49104), (190, 49161), (219, 49206), (247, 49257), (252, 49278), (261, 49305), (262, 49308), (277, 49377), (303, 49479), (309, 49509), (313, 49521), (318, 49536), (335, 49623), (349, 49683), (350, 49686), (351, 49692), (369, 49749),

Gene: ABU_22 Start: 17064, Stop: 17801, Start Num: 101

Candidate Starts for ABU_22:

(Start: 101 @17064 has 332 MA's), (157, 17178), (158, 17184), (Start: 163 @17193 has 2 MA's), (164, 17202), (214, 17298), (258, 17370), (260, 17376), (263, 17388), (277, 17439), (301, 17520), (306, 17553), (308, 17559), (329, 17640), (330, 17652), (335, 17676), (342, 17703), (351, 17745), (359, 17778), (365, 17793),

Gene: APunk_27 Start: 20502, Stop: 21293, Start Num: 115

Candidate Starts for APunk_27:

(Start: 115 @20502 has 80 MA's), (168, 20631), (198, 20706), (209, 20727), (220, 20745), (284, 20922), (293, 20952), (296, 20964), (318, 21057), (330, 21114), (336, 21144), (347, 21180), (365, 21252),

Gene: AWGoat_24 Start: 19637, Stop: 20371, Start Num: 149

Candidate Starts for AWGoat_24:

(Start: 149 @19637 has 12 MA's), (170, 19700), (171, 19703), (184, 19742), (187, 19751), (194, 19760), (206, 19781), (207, 19784), (218, 19817), (225, 19829), (229, 19841), (249, 19886), (254, 19907), (258, 19916), (271, 19958), (272, 19967), (273, 19970), (279, 19994), (308, 20090), (310, 20099), (317, 20120), (325, 20147), (336, 20213), (355, 20282),

Gene: Abblin_26 Start: 21114, Stop: 21905, Start Num: 115

Candidate Starts for Abblin_26:

(Start: 115 @21114 has 80 MA's), (168, 21243), (209, 21339), (284, 21534), (293, 21564), (318, 21669), (330, 21726), (336, 21756), (347, 21792), (365, 21864),

Gene: Abinghost_23 Start: 17721, Stop: 18479, Start Num: 101

Candidate Starts for Abinghost_23:

(Start: 68 @17646 has 8 MA's), (77, 17664), (Start: 101 @17721 has 332 MA's), (Start: 108 @17739 has 20 MA's), (161, 17859), (164, 17871), (197, 17955), (269, 18084), (273, 18102), (290, 18162), (304, 18219), (318, 18273), (335, 18354), (338, 18366), (344, 18384), (360, 18459),

Gene: AbsoluteMadLad_21 Start: 17065, Stop: 17802, Start Num: 101

Candidate Starts for AbsoluteMadLad_21:

(Start: 101 @17065 has 332 MA's), (157, 17179), (158, 17185), (Start: 163 @17194 has 2 MA's), (164, 17203), (214, 17299), (258, 17371), (260, 17377), (263, 17389), (277, 17440), (301, 17521), (306, 17554), (308, 17560), (329, 17641), (330, 17653), (335, 17677), (342, 17704), (351, 17746), (359, 17779), (365, 17794),

Gene: Abt2graduatex2_18 Start: 18225, Stop: 19085, Start Num: 115

Candidate Starts for Abt2graduatex2_18:

(Start: 115 @18225 has 80 MA's), (157, 18333), (175, 18396), (217, 18459), (226, 18480), (230, 18489), (238, 18504), (263, 18585), (267, 18597), (269, 18603), (271, 18609), (273, 18621), (274, 18624), (285, 18666), (303, 18765), (310, 18798), (335, 18909), (339, 18924), (344, 18939), (350, 18972), (356, 18993), (362, 19020), (365, 19026),

Gene: Acadian_22 Start: 17799, Stop: 18554, Start Num: 101

Candidate Starts for Acadian_22:

(50, 17634), (55, 17664), (60, 17685), (Start: 68 @17724 has 8 MA's), (Start: 101 @17799 has 332 MA's), (116, 17829), (141, 17877), (157, 17913), (161, 17925), (164, 17937), (173, 17967), (175, 17973), (186, 17994), (256, 18120), (269, 18159), (273, 18177), (283, 18213), (296, 18252), (335, 18429), (338, 18441), (342, 18456), (351, 18498), (365, 18546),

Gene: Adriana_22 Start: 17067, Stop: 17804, Start Num: 101

Candidate Starts for Adriana_22:

(Start: 101 @17067 has 332 MA's), (157, 17181), (158, 17187), (Start: 163 @17196 has 2 MA's), (164, 17205), (214, 17301), (258, 17373), (260, 17379), (263, 17391), (277, 17442), (301, 17523), (306, 17556), (308, 17562), (329, 17643), (330, 17655), (335, 17679), (342, 17706), (351, 17748), (359, 17781), (365, 17796),

Gene: Aelin_21 Start: 16630, Stop: 17367, Start Num: 101

Candidate Starts for Aelin_21:

(Start: 101 @16630 has 332 MA's), (Start: 123 @16672 has 1 MA's), (157, 16744), (158, 16750), (Start: 163 @16759 has 2 MA's), (164, 16768), (214, 16864), (258, 16936), (260, 16942), (263, 16954), (277, 17005), (301, 17086), (306, 17119), (308, 17125), (329, 17206), (330, 17218), (335, 17242), (342, 17269), (359, 17344), (365, 17359),

Gene: Affeca_25 Start: 21146, Stop: 21919, Start Num: 115

Candidate Starts for Affeca_25:

(Start: 115 @21146 has 80 MA's), (136, 21194), (175, 21299), (232, 21389), (258, 21446), (272, 21497), (284, 21542), (303, 21620), (306, 21638), (318, 21677), (347, 21800), (376, 21902),

Gene: Ahwei_19 Start: 16591, Stop: 17403, Start Num: 69

Candidate Starts for Ahwei_19:

(69, 16591), (78, 16612), (85, 16627), (Start: 101 @16660 has 332 MA's), (158, 16771), (161, 16777), (Start: 163 @16780 has 2 MA's), (175, 16825), (252, 16954), (265, 16999), (273, 17026), (280, 17050), (283, 17062), (293, 17092), (303, 17137), (308, 17161), (330, 17254), (342, 17305), (352, 17350), (356, 17362), (359, 17380), (365, 17395),

Gene: Ailee_25 Start: 21858, Stop: 22631, Start Num: 115

Candidate Starts for Ailee_25:

(Start: 115 @21858 has 80 MA's), (136, 21906), (161, 21963), (175, 22011), (258, 22158), (284, 22254), (303, 22332), (306, 22350), (318, 22389), (347, 22512), (376, 22614),

Gene: Akoma_23 Start: 17737, Stop: 18477, Start Num: 108

Candidate Starts for Akoma_23:

(Start: 68 @17644 has 8 MA's), (77, 17662), (Start: 101 @17719 has 332 MA's), (Start: 108 @17737 has 20 MA's), (161, 17857), (164, 17869), (197, 17953), (269, 18082), (273, 18100), (290, 18160), (304, 18217), (318, 18271), (335, 18352), (338, 18364), (344, 18382), (360, 18457),

Gene: AlanGrant_21 Start: 18471, Stop: 19205, Start Num: 101

Candidate Starts for AlanGrant_21:

(59, 18354), (Start: 101 @18471 has 332 MA's), (147, 18549), (161, 18588), (175, 18636), (186, 18657), (203, 18681), (211, 18693), (269, 18810), (283, 18864), (293, 18894), (303, 18939), (308, 18963), (352, 19152), (359, 19182), (365, 19197),

Gene: Ali17_23 Start: 18977, Stop: 19768, Start Num: 115

Candidate Starts for Ali17_23:

(Start: 115 @18977 has 80 MA's), (126, 18998), (150, 19049), (175, 19130), (210, 19190), (220, 19208), (222, 19211), (273, 19352), (279, 19376), (284, 19394), (307, 19493), (330, 19586), (331, 19589), (336, 19616), (347, 19652), (370, 19739), (375, 19751),

Gene: Allegro_24 Start: 19129, Stop: 19914, Start Num: 89

Candidate Starts for Allegro_24:

(Start: 89 @19129 has 29 MA's), (136, 19240), (153, 19276), (Start: 159 @19297 has 3 MA's), (161, 19300), (175, 19348), (192, 19384), (258, 19486), (265, 19513), (269, 19522), (273, 19540), (279, 19561), (303, 19654), (308, 19678), (314, 19699), (329, 19756), (330, 19768), (331, 19771), (338, 19801), (350, 19852), (363, 19903),

Gene: AltPhacts_22 Start: 17059, Stop: 17796, Start Num: 101

Candidate Starts for AltPhacts_22:

(Start: 101 @17059 has 332 MA's), (157, 17173), (158, 17179), (Start: 163 @17188 has 2 MA's), (164, 17197), (214, 17293), (258, 17365), (260, 17371), (263, 17383), (277, 17434), (301, 17515), (306, 17548), (308, 17554), (329, 17635), (330, 17647), (335, 17671), (342, 17698), (359, 17773), (365, 17788),

Gene: Altheas_33 Start: 21050, Stop: 21898, Start Num: 111

Candidate Starts for Altheas_33:

(Start: 111 @21050 has 39 MA's), (137, 21113), (151, 21143), (194, 21263), (240, 21356), (273, 21464), (291, 21530),

Gene: Altwerkus_21 Start: 16759, Stop: 17496, Start Num: 101

Candidate Starts for Altwerkus_21:

(Start: 101 @16759 has 332 MA's), (Start: 123 @16801 has 1 MA's), (157, 16873), (158, 16879), (Start: 163 @16888 has 2 MA's), (164, 16897), (214, 16993), (258, 17065), (260, 17071), (263, 17083), (277, 17134), (301, 17215), (306, 17248), (308, 17254), (329, 17335), (330, 17347), (335, 17371), (342, 17398), (359, 17473), (365, 17488),

Gene: AluminumJesus_29 Start: 20547, Stop: 21395, Start Num: 111

Candidate Starts for AluminumJesus_29:

(Start: 111 @20547 has 39 MA's), (137, 20610), (151, 20640), (171, 20703), (194, 20760), (199, 20772), (240, 20853), (273, 20961), (303, 21084), (306, 21102), (352, 21294),

Gene: AnClar_20 Start: 17804, Stop: 18550, Start Num: 101

Candidate Starts for AnClar_20:

(69, 17750), (Start: 101 @17804 has 332 MA's), (Start: 108 @17822 has 20 MA's), (148, 17906), (Start: 163 @17945 has 2 MA's), (191, 18014), (196, 18023), (269, 18158), (272, 18173), (274, 18179), (283, 18212), (330, 18401), (333, 18410), (335, 18425), (338, 18437), (351, 18494), (359, 18527), (363, 18539), (365, 18542),

Gene: AnarQue_21 Start: 16990, Stop: 17733, Start Num: 88

Candidate Starts for AnarQue_21:

(28, 16657), (32, 16672), (Start: 88 @16990 has 6 MA's), (Start: 101 @17014 has 332 MA's), (Start: 108 @17032 has 20 MA's), (157, 17110), (158, 17116), (171, 17155), (211, 17224), (214, 17230), (269, 17341), (305, 17479), (317, 17524), (351, 17677), (356, 17692), (359, 17710),

Gene: Anderson_22 Start: 17057, Stop: 17794, Start Num: 101

Candidate Starts for Anderson_22:

(Start: 101 @17057 has 332 MA's), (157, 17171), (158, 17177), (Start: 163 @17186 has 2 MA's), (164, 17195), (214, 17291), (258, 17363), (260, 17369), (263, 17381), (277, 17432), (301, 17513), (306, 17546), (308, 17552), (329, 17633), (330, 17645), (335, 17669), (342, 17696), (351, 17738), (359, 17771), (365, 17786),

Gene: Andre_22 Start: 17055, Stop: 17792, Start Num: 101

Candidate Starts for Andre_22:

(Start: 101 @17055 has 332 MA's), (157, 17169), (158, 17175), (Start: 163 @17184 has 2 MA's), (164, 17193), (214, 17289), (258, 17361), (260, 17367), (263, 17379), (277, 17430), (301, 17511), (306, 17544), (308, 17550), (329, 17631), (330, 17643), (335, 17667), (342, 17694), (359, 17769), (365, 17784),

Gene: Angelicage_25 Start: 21566, Stop: 22339, Start Num: 115

Candidate Starts for Angelicage_25:

(Start: 115 @21566 has 80 MA's), (136, 21614), (175, 21719), (254, 21860), (272, 21917), (284, 21962), (303, 22040), (306, 22058), (318, 22097), (330, 22154), (347, 22220), (376, 22322),

Gene: Antares_31 Start: 18205, Stop: 19119, Start Num: 72

Candidate Starts for Antares_31:

(Start: 72 @18205 has 29 MA's), (122, 18307), (173, 18451), (221, 18559), (230, 18586), (233, 18592), (273, 18721), (296, 18805), (323, 18916), (336, 18988), (341, 19006), (356, 19060),

Gene: Antihero_19 Start: 16591, Stop: 17403, Start Num: 69

Candidate Starts for Antihero_19:

(69, 16591), (78, 16612), (85, 16627), (Start: 101 @16660 has 332 MA's), (158, 16771), (161, 16777), (Start: 163 @16780 has 2 MA's), (175, 16825), (252, 16954), (265, 16999), (273, 17026), (280, 17050), (283, 17062), (293, 17092), (303, 17137), (308, 17161), (330, 17254), (342, 17305), (352, 17350), (356, 17362), (359, 17380), (365, 17395),

Gene: Antonia_21 Start: 16630, Stop: 17367, Start Num: 101

Candidate Starts for Antonia_21:

(Start: 101 @16630 has 332 MA's), (Start: 123 @16672 has 1 MA's), (157, 16744), (158, 16750), (Start: 163 @16759 has 2 MA's), (164, 16768), (214, 16864), (258, 16936), (260, 16942), (263, 16954), (277, 17005), (301, 17086), (306, 17119), (308, 17125), (329, 17206), (330, 17218), (335, 17242), (342, 17269), (359, 17344), (365, 17359),

Gene: Apex_20 Start: 17873, Stop: 18616, Start Num: 101

Candidate Starts for Apex_20:

(Start: 101 @17873 has 332 MA's), (158, 17984), (161, 17990), (Start: 163 @17993 has 2 MA's), (175, 18038), (252, 18167), (258, 18185), (265, 18212), (273, 18239), (280, 18263), (283, 18275), (293, 18305), (303, 18350), (308, 18374), (314, 18395), (352, 18563), (356, 18575), (359, 18593), (365, 18608),

Gene: Apizium_21 Start: 16800, Stop: 17537, Start Num: 101

Candidate Starts for Apizium_21:

(Start: 101 @16800 has 332 MA's), (157, 16914), (158, 16920), (Start: 163 @16929 has 2 MA's), (164, 16938), (214, 17034), (258, 17106), (260, 17112), (263, 17124), (277, 17175), (301, 17256), (306, 17289), (308, 17295), (329, 17376), (330, 17388), (335, 17412), (342, 17439), (359, 17514), (365, 17529),

Gene: Arbiter_24 Start: 19385, Stop: 20002, Start Num: 159

Candidate Starts for Arbiter_24:

(Start: 89 @19217 has 29 MA's), (136, 19328), (153, 19364), (Start: 159 @19385 has 3 MA's), (161, 19388), (175, 19436), (192, 19472), (258, 19574), (265, 19601), (269, 19610), (273, 19628), (279, 19649), (303, 19742), (308, 19766), (314, 19787), (329, 19844), (330, 19856), (331, 19859), (338, 19889), (350, 19940), (363, 19991),

Gene: Ares_24 Start: 19133, Stop: 19918, Start Num: 89

Candidate Starts for Ares_24:

(Start: 89 @19133 has 29 MA's), (136, 19244), (153, 19280), (Start: 159 @19301 has 3 MA's), (161, 19304), (175, 19352), (192, 19388), (258, 19490), (265, 19517), (269, 19526), (273, 19544), (279, 19565), (303, 19658), (308, 19682), (314, 19703), (329, 19760), (330, 19772), (331, 19775), (338, 19805), (350, 19856), (363, 19907),

Gene: Argie_17 Start: 16825, Stop: 17562, Start Num: 104

Candidate Starts for Argie_17:

(Start: 104 @16825 has 8 MA's), (Start: 112 @16837 has 1 MA's), (Start: 163 @16960 has 2 MA's), (164, 16969), (185, 17026), (192, 17041), (200, 17056), (235, 17083), (248, 17104), (252, 17119), (258, 17137), (267, 17167), (269, 17173), (272, 17188), (303, 17302), (304, 17305), (311, 17338), (313, 17344), (314, 17347), (318, 17359), (330, 17416), (333, 17425), (335, 17440), (351, 17506), (356, 17521), (359, 17539), (365, 17554),

Gene: Ariadne_39 Start: 19895, Stop: 20809, Start Num: 74

Candidate Starts for Ariadne_39:

(43, 19730), (61, 19847), (Start: 74 @19895 has 8 MA's), (Start: 81 @19910 has 1 MA's), (122, 20000), (125, 20006), (168, 20126), (230, 20279), (233, 20285), (256, 20357), (274, 20417), (296, 20495), (301, 20516), (303, 20531), (306, 20549), (308, 20555), (323, 20606), (341, 20696), (346, 20711), (356, 20750), (365, 20777),

Gene: Arri_26 Start: 16626, Stop: 17396, Start Num: 118

Candidate Starts for Arri_26:

(Start: 118 @16626 has 29 MA's), (136, 16668), (168, 16749), (175, 16773), (215, 16854), (258, 16929), (260, 16935), (265, 16956), (269, 16965), (278, 17004), (284, 17025), (320, 17166), (322, 17175), (336, 17247), (354, 17316), (376, 17379),

Gene: Ashertheman_27 Start: 20464, Stop: 21231, Start Num: 115

Candidate Starts for Ashertheman_27:

(Start: 115 @20464 has 80 MA's), (136, 20512), (161, 20569), (164, 20581), (254, 20758), (273, 20818), (284, 20860), (303, 20938), (306, 20956), (317, 20992), (330, 21052), (347, 21118),

Gene: Ashraf_21 Start: 16621, Stop: 17358, Start Num: 101

Candidate Starts for Ashraf_21:

(Start: 101 @16621 has 332 MA's), (157, 16735), (158, 16741), (Start: 163 @16750 has 2 MA's), (164, 16759), (214, 16855), (258, 16927), (260, 16933), (263, 16945), (277, 16996), (301, 17077), (306, 17110), (308, 17116), (329, 17197), (330, 17209), (335, 17233), (342, 17260), (359, 17335), (365, 17350),

Gene: Asis_17 Start: 17740, Stop: 18600, Start Num: 115

Candidate Starts for Asis_17:

(63, 17608), (Start: 115 @17740 has 80 MA's), (157, 17848), (226, 17995), (230, 18004), (238, 18019), (269, 18118), (271, 18124), (273, 18136), (274, 18139), (296, 18244), (299, 18253), (303, 18280), (310, 18313), (312, 18319), (335, 18424), (339, 18439), (344, 18454), (350, 18487), (356, 18508), (362, 18535), (365, 18541),

Gene: Athena_24 Start: 18502, Stop: 19242, Start Num: 108

Candidate Starts for Athena_24:

(Start: 68 @18409 has 8 MA's), (77, 18427), (Start: 101 @18484 has 332 MA's), (Start: 108 @18502 has 20 MA's), (161, 18622), (164, 18634), (197, 18718), (269, 18847), (273, 18865), (290, 18925), (304, 18982), (318, 19036), (335, 19117), (338, 19129), (344, 19147), (360, 19222),

Gene: Atuin_82 Start: 50510, Stop: 51199, Start Num: 163

Candidate Starts for Atuin_82:

(143, 50459), (Start: 163 @50510 has 2 MA's), (251, 50693), (258, 50717), (273, 50777), (299, 50873), (300, 50876), (316, 50951), (318, 50957), (326, 50984), (329, 51005), (339, 51056),

Gene: Audrey_23 Start: 17739, Stop: 18479, Start Num: 108

Candidate Starts for Audrey_23:

(Start: 68 @17646 has 8 MA's), (77, 17664), (Start: 101 @17721 has 332 MA's), (Start: 108 @17739 has 20 MA's), (161, 17859), (164, 17871), (197, 17955), (269, 18084), (273, 18102), (290, 18162), (304, 18219), (318, 18273), (335, 18354), (338, 18366), (344, 18384), (360, 18459),

Gene: Austelle_21 Start: 18329, Stop: 19072, Start Num: 101

Candidate Starts for Austelle_21:

(Start: 101 @18329 has 332 MA's), (158, 18440), (161, 18446), (Start: 163 @18449 has 2 MA's), (175, 18494), (252, 18623), (258, 18641), (265, 18668), (273, 18695), (280, 18719), (283, 18731), (293, 18761), (303, 18806), (308, 18830), (314, 18851), (352, 19019), (356, 19031), (359, 19049), (365, 19064),

Gene: Axumite_19 Start: 15569, Stop: 16345, Start Num: 86

Candidate Starts for Axumite_19:

(Start: 86 @15569 has 3 MA's), (Start: 101 @15599 has 332 MA's), (Start: 108 @15617 has 20 MA's), (Start: 118 @15632 has 29 MA's), (196, 15818), (269, 15953), (272, 15968), (283, 16007), (330, 16196), (333, 16205), (335, 16220), (338, 16232), (351, 16289), (356, 16304), (365, 16337),

Gene: BabyDotz_30 Start: 20815, Stop: 21663, Start Num: 111

Candidate Starts for BabyDotz_30:

(Start: 111 @20815 has 39 MA's), (137, 20878), (151, 20908), (171, 20971), (194, 21028), (199, 21040), (240, 21121), (273, 21229), (303, 21352), (306, 21370), (358, 21589),

Gene: BabyGotBac_17 Start: 17740, Stop: 18600, Start Num: 115

Candidate Starts for BabyGotBac_17:

(63, 17608), (Start: 115 @17740 has 80 MA's), (157, 17848), (226, 17995), (230, 18004), (238, 18019), (269, 18118), (271, 18124), (273, 18136), (274, 18139), (296, 18244), (299, 18253), (303, 18280), (310, 18313), (312, 18319), (335, 18424), (339, 18439), (344, 18454), (350, 18487), (356, 18508), (362, 18535), (365, 18541),

Gene: Baddon_26 Start: 21276, Stop: 22043, Start Num: 115

Candidate Starts for Baddon_26:

(Start: 115 @21276 has 80 MA's), (136, 21324), (161, 21381), (164, 21393), (254, 21570), (273, 21630), (284, 21672), (303, 21750), (306, 21768), (317, 21804), (330, 21864), (347, 21930), (373, 22023),

Gene: Badfish_22 Start: 17089, Stop: 17826, Start Num: 101

Candidate Starts for Badfish_22:

(Start: 101 @17089 has 332 MA's), (157, 17203), (158, 17209), (Start: 163 @17218 has 2 MA's), (164, 17227), (214, 17323), (258, 17395), (260, 17401), (263, 17413), (277, 17464), (301, 17545), (306, 17578), (308, 17584), (329, 17665), (330, 17677), (335, 17701), (342, 17728), (351, 17770), (359, 17803), (365, 17818),

Gene: Bae_21 Start: 17557, Stop: 18312, Start Num: 101

Candidate Starts for Bae_21:

(Start: 101 @17557 has 332 MA's), (141, 17635), (161, 17683), (173, 17725), (256, 17878), (265, 17908), (275, 17944), (283, 17971), (287, 17983), (296, 18010), (308, 18070), (338, 18199), (342, 18214), (351, 18256), (365, 18304),

Gene: Bakery_24 Start: 15814, Stop: 16584, Start Num: 118

Candidate Starts for Bakery_24:

(Start: 118 @15814 has 29 MA's), (168, 15937), (175, 15961), (258, 16117), (260, 16123), (269, 16153), (354, 16504), (376, 16567),

Gene: Baloo_23 Start: 17718, Stop: 18476, Start Num: 101

Candidate Starts for Baloo_23:

(Start: 68 @17643 has 8 MA's), (77, 17661), (Start: 101 @17718 has 332 MA's), (Start: 108 @17736 has 20 MA's), (161, 17856), (164, 17868), (197, 17952), (269, 18081), (273, 18099), (290, 18159), (304, 18216), (318, 18270), (335, 18351), (338, 18363), (344, 18381), (360, 18456),

Gene: Bananafish_24 Start: 19126, Stop: 19911, Start Num: 89

Candidate Starts for Bananafish_24:

(Start: 89 @19126 has 29 MA's), (136, 19237), (153, 19273), (Start: 159 @19294 has 3 MA's), (161, 19297), (175, 19345), (192, 19381), (258, 19483), (265, 19510), (269, 19519), (273, 19537), (279, 19558), (303, 19651), (308, 19675), (314, 19696), (329, 19753), (330, 19765), (331, 19768), (338, 19798), (350, 19849), (363, 19900),

Gene: Banjo_21 Start: 16766, Stop: 17503, Start Num: 101

Candidate Starts for Banjo_21:

(Start: 101 @16766 has 332 MA's), (Start: 123 @16808 has 1 MA's), (157, 16880), (158, 16886), (Start: 163 @16895 has 2 MA's), (164, 16904), (214, 17000), (258, 17072), (260, 17078), (263, 17090), (277, 17141), (301, 17222), (306, 17255), (308, 17261), (329, 17342), (330, 17354), (335, 17378), (342, 17405), (359, 17480), (365, 17495),

Gene: Barb_25 Start: 16659, Stop: 17429, Start Num: 118

Candidate Starts for Barb_25:

(Start: 118 @16659 has 29 MA's), (136, 16701), (168, 16782), (215, 16887), (258, 16962), (260, 16968), (265, 16989), (269, 16998), (278, 17037), (320, 17199), (354, 17349), (356, 17355), (376, 17412),

Gene: Barsten_27 Start: 20990, Stop: 21763, Start Num: 115

Candidate Starts for Barsten_27:

(Start: 115 @20990 has 80 MA's), (136, 21038), (175, 21143), (198, 21194), (258, 21290), (272, 21341), (284, 21386), (303, 21464), (306, 21482), (318, 21521), (347, 21644), (376, 21746),

Gene: Basato_23 Start: 17291, Stop: 18028, Start Num: 101

Candidate Starts for Basato_23:

(Start: 101 @17291 has 332 MA's), (Start: 123 @17333 has 1 MA's), (157, 17405), (158, 17411), (Start: 163 @17420 has 2 MA's), (164, 17429), (214, 17525), (258, 17597), (260, 17603), (263, 17615), (277, 17666), (301, 17747), (306, 17780), (308, 17786), (329, 17867), (330, 17879), (335, 17903), (342, 17930), (351, 17972), (359, 18005), (365, 18020),

Gene: BatteryCK_21 Start: 16623, Stop: 17360, Start Num: 101

Candidate Starts for BatteryCK_21:

(Start: 101 @16623 has 332 MA's), (157, 16737), (158, 16743), (Start: 163 @16752 has 2 MA's), (164, 16761), (214, 16857), (258, 16929), (260, 16935), (263, 16947), (277, 16998), (301, 17079), (306, 17112), (308, 17118), (329, 17199), (330, 17211), (335, 17235), (342, 17262), (359, 17337), (365, 17352),

Gene: Baumdotcom_26 Start: 20079, Stop: 20846, Start Num: 115

Candidate Starts for Baumdotcom_26:

(Start: 115 @20079 has 80 MA's), (136, 20127), (161, 20184), (164, 20196), (254, 20373), (273, 20433), (284, 20475), (303, 20553), (306, 20571), (317, 20607), (330, 20667), (347, 20733),

Gene: BayC_17 Start: 17740, Stop: 18600, Start Num: 115

Candidate Starts for BayC_17:

(63, 17608), (Start: 115 @17740 has 80 MA's), (157, 17848), (226, 17995), (230, 18004), (238, 18019), (269, 18118), (271, 18124), (273, 18136), (274, 18139), (296, 18244), (299, 18253), (303, 18280), (310, 18313), (312, 18319), (335, 18424), (339, 18439), (344, 18454), (350, 18487), (356, 18508), (362, 18535), (365, 18541),

Gene: Beagle_32 Start: 19188, Stop: 19814, Start Num: 149

Candidate Starts for Beagle_32:

(Start: 149 @19188 has 12 MA's), (184, 19281), (259, 19377), (279, 19437), (295, 19485), (314, 19545), (317, 19554), (336, 19656), (348, 19698), (350, 19707), (375, 19779),

Gene: Beaglebox_21 Start: 16786, Stop: 17523, Start Num: 101

Candidate Starts for Beaglebox_21:

(Start: 101 @16786 has 332 MA's), (157, 16900), (158, 16906), (Start: 163 @16915 has 2 MA's), (164, 16924), (214, 17020), (258, 17092), (260, 17098), (263, 17110), (277, 17161), (301, 17242), (306, 17275), (308, 17281), (329, 17362), (330, 17374), (335, 17398), (342, 17425), (351, 17467), (359, 17500), (365, 17515),

Gene: Belphegor_25 Start: 20523, Stop: 21317, Start Num: 115

Candidate Starts for Belphegor_25:

(Start: 115 @20523 has 80 MA's), (150, 20595), (175, 20676), (210, 20736), (220, 20754), (222, 20757), (274, 20901), (284, 20940), (307, 21039), (330, 21132), (331, 21135), (347, 21198), (358, 21252), (365, 21270), (370, 21285), (375, 21297),

Gene: Ben11_22 Start: 17468, Stop: 18301, Start Num: 68

Candidate Starts for Ben11_22:

(Start: 68 @17468 has 8 MA's), (77, 17486), (Start: 101 @17543 has 332 MA's), (Start: 108 @17561 has 20 MA's), (161, 17681), (164, 17693), (197, 17777), (269, 17906), (273, 17924), (290, 17984), (304, 18041), (318, 18095), (335, 18176), (338, 18188), (344, 18206), (360, 18281),

Gene: Bernardo_23 Start: 17736, Stop: 18476, Start Num: 108

Candidate Starts for Bernardo_23:

(Start: 68 @17643 has 8 MA's), (77, 17661), (Start: 101 @17718 has 332 MA's), (Start: 108 @17736 has 20 MA's), (161, 17856), (164, 17868), (197, 17952), (269, 18081), (273, 18099), (290, 18159), (304, 18216), (318, 18270), (335, 18351), (338, 18363), (344, 18381), (360, 18456),

Gene: Bibwit_26 Start: 21177, Stop: 21950, Start Num: 115

Candidate Starts for Bibwit_26:

(Start: 115 @21177 has 80 MA's), (136, 21225), (161, 21282), (175, 21330), (258, 21477), (272, 21528), (284, 21573), (303, 21651), (306, 21669), (318, 21708), (330, 21765), (347, 21831), (376, 21933),

Gene: Big4_80 Start: 47859, Stop: 48611, Start Num: 142

Candidate Starts for Big4_80:

(Start: 142 @47859 has 6 MA's), (169, 47940), (212, 48030), (277, 48204), (313, 48348), (318, 48363), (337, 48459), (349, 48510), (351, 48519), (369, 48576),

Gene: BiggityBass_19 Start: 17886, Stop: 18638, Start Num: 96

Candidate Starts for BiggityBass_19:

(67, 17835), (Start: 96 @17886 has 1 MA's), (Start: 101 @17892 has 332 MA's), (147, 17991), (148, 17994), (196, 18111), (269, 18246), (272, 18261), (283, 18300), (333, 18498), (335, 18513), (338, 18525), (351, 18582), (359, 18615), (363, 18627), (365, 18630), (367, 18633),

Gene: BirdInFrench_30 Start: 19479, Stop: 20336, Start Num: 103

Candidate Starts for BirdInFrench_30:

(103, 19479), (Start: 111 @19494 has 39 MA's), (137, 19560), (151, 19590), (194, 19710), (240, 19803), (270, 19896), (296, 19998), (303, 20031), (310, 20064), (340, 20187), (352, 20235), (365, 20280),

Gene: BirdsNest_25 Start: 17129, Stop: 17878, Start Num: 101

Candidate Starts for BirdsNest_25:

(Start: 101 @17129 has 332 MA's), (Start: 163 @17258 has 2 MA's), (205, 17351), (269, 17480), (273, 17498), (279, 17519), (303, 17609), (308, 17633), (330, 17729), (342, 17780), (359, 17855), (365, 17870),

Gene: Bishoperium_21 Start: 16772, Stop: 17509, Start Num: 101

Candidate Starts for Bishoperium_21:

(Start: 101 @16772 has 332 MA's), (Start: 123 @16814 has 1 MA's), (157, 16886), (158, 16892), (Start: 163 @16901 has 2 MA's), (164, 16910), (214, 17006), (258, 17078), (260, 17084), (263, 17096), (277, 17147), (301, 17228), (306, 17261), (308, 17267), (329, 17348), (330, 17360), (335, 17384), (342, 17411), (359, 17486), (365, 17501),

Gene: Bizzy_27 Start: 20423, Stop: 21190, Start Num: 115

Candidate Starts for Bizzy_27:

(Start: 115 @20423 has 80 MA's), (136, 20471), (161, 20528), (164, 20540), (254, 20717), (273, 20777), (284, 20819), (303, 20897), (306, 20915), (317, 20951), (330, 21011), (347, 21077), (373, 21170),

Gene: Blab_29 Start: 20472, Stop: 21320, Start Num: 111

Candidate Starts for Blab_29:

(Start: 111 @20472 has 39 MA's), (135, 20526), (137, 20535), (151, 20565), (171, 20628), (194, 20685), (199, 20697), (240, 20778), (273, 20886), (303, 21009), (306, 21027), (352, 21219),

Gene: BlackStallion_22 Start: 17077, Stop: 17814, Start Num: 101

Candidate Starts for BlackStallion_22:

(Start: 101 @17077 has 332 MA's), (157, 17191), (158, 17197), (Start: 163 @17206 has 2 MA's), (164, 17215), (214, 17311), (258, 17383), (260, 17389), (263, 17401), (277, 17452), (301, 17533), (306, 17566), (308, 17572), (329, 17653), (330, 17665), (335, 17689), (342, 17716), (351, 17758), (359, 17791), (365, 17806),

Gene: Blocker23_24 Start: 19250, Stop: 20035, Start Num: 89

Candidate Starts for Blocker23_24:

(Start: 89 @19250 has 29 MA's), (136, 19361), (153, 19397), (Start: 159 @19418 has 3 MA's), (161, 19421), (175, 19469), (192, 19505), (258, 19607), (265, 19634), (269, 19643), (273, 19661), (279, 19682), (303, 19775), (308, 19799), (314, 19820), (329, 19877), (330, 19889), (331, 19892), (338, 19922), (350, 19973), (363, 20024),

Gene: Bloom_88 Start: 51920, Stop: 52609, Start Num: 163

Candidate Starts for Bloom_88:

(Start: 163 @51920 has 2 MA's), (255, 52118), (277, 52205), (280, 52217), (286, 52238), (292, 52256), (296, 52274), (301, 52295), (307, 52331), (321, 52379), (326, 52394), (338, 52463), (339, 52466),

Gene: BlueHusk_22 Start: 16573, Stop: 17310, Start Num: 101

Candidate Starts for BlueHusk_22:

(Start: 101 @16573 has 332 MA's), (Start: 123 @16615 has 1 MA's), (157, 16687), (158, 16693), (Start: 163 @16702 has 2 MA's), (164, 16711), (214, 16807), (258, 16879), (260, 16885), (263, 16897), (277, 16948), (301, 17029), (306, 17062), (308, 17068), (329, 17149), (330, 17161), (335, 17185), (342, 17212), (359, 17287), (365, 17302),

Gene: Bluephacebaby_21 Start: 16772, Stop: 17509, Start Num: 101

Candidate Starts for Bluephacebaby_21:

(Start: 101 @16772 has 332 MA's), (Start: 123 @16814 has 1 MA's), (157, 16886), (158, 16892), (Start: 163 @16901 has 2 MA's), (164, 16910), (214, 17006), (258, 17078), (260, 17084), (263, 17096), (277, 17147), (301, 17228), (306, 17261), (308, 17267), (329, 17348), (330, 17360), (335, 17384), (342, 17411), (359, 17486), (365, 17501),

Gene: BobBob_24 Start: 20455, Stop: 21228, Start Num: 115

Candidate Starts for BobBob_24:

(Start: 115 @20455 has 80 MA's), (136, 20503), (161, 20560), (175, 20608), (232, 20698), (258, 20755), (272, 20806), (284, 20851), (303, 20929), (306, 20947), (318, 20986), (330, 21043), (347, 21109), (376, 21211),

Gene: BobRoss2024_18 Start: 15379, Stop: 16110, Start Num: 101

Candidate Starts for BobRoss2024_18:

(Start: 101 @15379 has 332 MA's), (Start: 108 @15397 has 20 MA's), (Start: 118 @15412 has 29 MA's), (157, 15475), (211, 15595), (335, 15985), (351, 16054), (363, 16099),

Gene: BobbyK_20 Start: 17692, Stop: 18435, Start Num: 101

Candidate Starts for BobbyK_20:

(Start: 101 @17692 has 332 MA's), (158, 17803), (161, 17809), (Start: 163 @17812 has 2 MA's), (175, 17857), (252, 17986), (258, 18004), (265, 18031), (273, 18058), (280, 18082), (283, 18094), (293, 18124), (303, 18169), (308, 18193), (352, 18382), (356, 18394), (359, 18412), (365, 18427),

Gene: Boehler_22 Start: 17082, Stop: 17819, Start Num: 101

Candidate Starts for Boehler_22:

(Start: 101 @17082 has 332 MA's), (Start: 123 @17124 has 1 MA's), (157, 17196), (158, 17202), (Start: 163 @17211 has 2 MA's), (164, 17220), (214, 17316), (258, 17388), (260, 17394), (263, 17406), (277, 17457), (301, 17538), (306, 17571), (308, 17577), (329, 17658), (330, 17670), (335, 17694), (342, 17721), (359, 17796), (365, 17811),

Gene: Boyle_24 Start: 19251, Stop: 20036, Start Num: 89

Candidate Starts for Boyle_24:

(Start: 89 @19251 has 29 MA's), (136, 19362), (153, 19398), (Start: 159 @19419 has 3 MA's), (161, 19422), (175, 19470), (192, 19506), (258, 19608), (265, 19635), (269, 19644), (273, 19662), (279, 19683), (303, 19776), (308, 19800), (314, 19821), (329, 19878), (330, 19890), (331, 19893), (338, 19923), (350, 19974), (363, 20025),

Gene: Brandonk123_28 Start: 21524, Stop: 22297, Start Num: 115

Candidate Starts for Brandonk123_28:

(Start: 115 @21524 has 80 MA's), (136, 21572), (175, 21677), (258, 21824), (272, 21875), (284, 21920), (303, 21998), (306, 22016), (318, 22055), (330, 22112), (347, 22178), (376, 22280),

Gene: BrazzalePHS_30 Start: 18000, Stop: 18914, Start Num: 72

Candidate Starts for BrazzalePHS_30:

(Start: 72 @18000 has 29 MA's), (122, 18102), (173, 18246), (221, 18354), (230, 18381), (233, 18387), (273, 18516), (296, 18600), (323, 18711), (336, 18783), (341, 18801), (356, 18855),

Gene: Briakila_23 Start: 18486, Stop: 19244, Start Num: 101

Candidate Starts for Briakila_23:

(Start: 68 @18411 has 8 MA's), (77, 18429), (Start: 101 @18486 has 332 MA's), (Start: 108 @18504 has 20 MA's), (161, 18624), (164, 18636), (197, 18720), (269, 18849), (273, 18867), (290, 18927), (304, 18984), (318, 19038), (335, 19119), (338, 19131), (344, 19149), (360, 19224),

Gene: Brilliant_22 Start: 16777, Stop: 17514, Start Num: 101

Candidate Starts for Brilliant_22:

(Start: 101 @16777 has 332 MA's), (157, 16891), (158, 16897), (Start: 163 @16906 has 2 MA's), (164, 16915), (214, 17011), (258, 17083), (260, 17089), (263, 17101), (277, 17152), (301, 17233), (306, 17266), (308, 17272), (329, 17353), (330, 17365), (335, 17389), (342, 17416), (359, 17491), (365, 17506),

Gene: BrownCNA_21 Start: 17944, Stop: 18687, Start Num: 101

Candidate Starts for BrownCNA_21:

(Start: 101 @17944 has 332 MA's), (158, 18055), (161, 18061), (175, 18109), (252, 18238), (265, 18283), (273, 18310), (280, 18334), (283, 18346), (293, 18376), (303, 18421), (308, 18445), (335, 18562), (342, 18589), (352, 18634), (356, 18646), (359, 18664), (365, 18679),

Gene: Brownie5_24 Start: 19250, Stop: 20035, Start Num: 89

Candidate Starts for Brownie5_24:

(Start: 89 @19250 has 29 MA's), (136, 19361), (153, 19397), (Start: 159 @19418 has 3 MA's), (161, 19421), (175, 19469), (192, 19505), (258, 19607), (265, 19634), (269, 19643), (273, 19661), (279, 19682), (303, 19775), (308, 19799), (314, 19820), (329, 19877), (330, 19889), (331, 19892), (338, 19922), (350, 19973), (363, 20024),

Gene: BruhMoment_26 Start: 18674, Stop: 19393, Start Num: 149

Candidate Starts for BruhMoment_26:

(128, 18626), (Start: 149 @18674 has 12 MA's), (154, 18686), (265, 18971), (269, 18980), (271, 18986), (273, 18998), (294, 19076), (317, 19148), (330, 19211), (333, 19220), (338, 19247), (341, 19259), (350, 19292), (371, 19361), (379, 19379), (381, 19382),

Gene: Buckeye_22 Start: 17096, Stop: 17833, Start Num: 101

Candidate Starts for Buckeye_22:

(Start: 101 @17096 has 332 MA's), (157, 17210), (158, 17216), (Start: 163 @17225 has 2 MA's), (164, 17234), (214, 17330), (258, 17402), (260, 17408), (263, 17420), (277, 17471), (301, 17552), (306, 17585), (308, 17591), (329, 17672), (330, 17684), (335, 17708), (342, 17735), (351, 17777), (359, 17810), (365, 17825),

Gene: Burr_21 Start: 16771, Stop: 17508, Start Num: 101

Candidate Starts for Burr_21:

(Start: 101 @16771 has 332 MA's), (157, 16885), (158, 16891), (Start: 163 @16900 has 2 MA's), (164, 16909), (214, 17005), (258, 17077), (260, 17083), (263, 17095), (277, 17146), (301, 17227), (306, 17260), (308, 17266), (329, 17347), (330, 17359), (335, 17383), (342, 17410), (351, 17452), (359, 17485), (365, 17500),

Gene: Busephilis_30 Start: 17935, Stop: 18849, Start Num: 72

Candidate Starts for Busephilis_30:

(Start: 72 @17935 has 29 MA's), (Start: 79 @17947 has 4 MA's), (122, 18037), (173, 18181), (221, 18289), (230, 18316), (233, 18322), (273, 18451), (296, 18535), (323, 18646), (336, 18718), (341, 18736), (356, 18790),

Gene: CRB2_24 Start: 19413, Stop: 20183, Start Num: 101

Candidate Starts for CRB2_24:

(Start: 101 @19413 has 332 MA's), (161, 19551), (Start: 163 @19554 has 2 MA's), (175, 19599), (205, 19656), (265, 19776), (269, 19785), (296, 19878), (303, 19914), (335, 20058), (342, 20085), (365, 20175),

Gene: CaiB_21 Start: 16976, Stop: 17719, Start Num: 88

Candidate Starts for CaiB_21:

(Start: 88 @16976 has 6 MA's), (Start: 101 @17000 has 332 MA's), (Start: 108 @17018 has 20 MA's), (157, 17096), (158, 17102), (171, 17141), (211, 17210), (214, 17216), (269, 17327), (305, 17465), (351, 17663), (356, 17678), (359, 17696),

Gene: Calamitous_24 Start: 19130, Stop: 19915, Start Num: 89

Candidate Starts for Calamitous_24:

(Start: 89 @19130 has 29 MA's), (136, 19241), (153, 19277), (Start: 159 @19298 has 3 MA's), (161, 19301), (175, 19349), (192, 19385), (258, 19487), (265, 19514), (269, 19523), (273, 19541), (279, 19562), (303, 19655), (308, 19679), (314, 19700), (329, 19757), (330, 19769), (331, 19772), (338, 19802), (350, 19853), (363, 19904),

Gene: CamL_22 Start: 17070, Stop: 17807, Start Num: 101

Candidate Starts for CamL_22:

(Start: 101 @17070 has 332 MA's), (Start: 123 @17112 has 1 MA's), (157, 17184), (158, 17190), (Start: 163 @17199 has 2 MA's), (164, 17208), (214, 17304), (258, 17376), (260, 17382), (263, 17394), (277, 17445), (301, 17526), (306, 17559), (308, 17565), (329, 17646), (330, 17658), (335, 17682), (342, 17709), (359, 17784), (365, 17799),

Gene: CampRoach_22 Start: 17063, Stop: 17800, Start Num: 101

Candidate Starts for CampRoach_22:

(Start: 101 @17063 has 332 MA's), (157, 17177), (158, 17183), (Start: 163 @17192 has 2 MA's), (164, 17201), (214, 17297), (258, 17369), (260, 17375), (263, 17387), (277, 17438), (301, 17519), (306, 17552), (308, 17558), (329, 17639), (330, 17651), (335, 17675), (342, 17702), (351, 17744), (359, 17777), (365, 17792),

Gene: CandC_29 Start: 19185, Stop: 20030, Start Num: 111

Candidate Starts for CandC_29:

(Start: 111 @19185 has 39 MA's), (137, 19251), (151, 19281), (194, 19401), (240, 19494), (270, 19587), (296, 19689), (297, 19692), (310, 19755), (352, 19926), (365, 19971),

Gene: Cannibal_22 Start: 17056, Stop: 17793, Start Num: 101

Candidate Starts for Cannibal_22:

(Start: 101 @17056 has 332 MA's), (157, 17170), (158, 17176), (Start: 163 @17185 has 2 MA's), (164, 17194), (214, 17290), (258, 17362), (260, 17368), (263, 17380), (277, 17431), (301, 17512), (306, 17545), (308, 17551), (329, 17632), (330, 17644), (335, 17668), (342, 17695), (351, 17737), (359, 17770), (365, 17785),

Gene: Carthage_20 Start: 15982, Stop: 16719, Start Num: 101

Candidate Starts for Carthage_20:

(Start: 101 @15982 has 332 MA's), (157, 16096), (158, 16102), (Start: 163 @16111 has 2 MA's), (164, 16120), (214, 16216), (258, 16288), (260, 16294), (263, 16306), (277, 16357), (301, 16438), (306, 16471), (308, 16477), (330, 16570), (335, 16594), (342, 16621), (359, 16696), (365, 16711),

Gene: Casbah_22 Start: 17573, Stop: 18331, Start Num: 101

Candidate Starts for Casbah_22:

(Start: 68 @17498 has 8 MA's), (77, 17516), (Start: 101 @17573 has 332 MA's), (Start: 108 @17591 has 20 MA's), (161, 17711), (164, 17723), (197, 17807), (269, 17936), (273, 17954), (290, 18014), (304, 18071), (318, 18125), (335, 18206), (338, 18218), (344, 18236), (360, 18311),

Gene: Casend_32 Start: 21224, Stop: 22072, Start Num: 111

Candidate Starts for Casend_32:

(Start: 111 @21224 has 39 MA's), (137, 21287), (151, 21317), (171, 21380), (194, 21437), (199, 21449), (240, 21530), (273, 21638), (303, 21761), (306, 21779), (352, 21971),

Gene: Cece_74 Start: 43934, Stop: 44686, Start Num: 142

Candidate Starts for Cece_74:

(Start: 142 @43934 has 6 MA's), (234, 44132), (252, 44186), (262, 44216), (313, 44423), (318, 44438), (320, 44444), (330, 44501), (333, 44510), (335, 44525), (350, 44588), (351, 44594), (360, 44630), (369, 44651),

Gene: Cepens_16 Start: 16549, Stop: 17286, Start Num: 104

Candidate Starts for Cepens_16:

(Start: 104 @16549 has 8 MA's), (Start: 112 @16561 has 1 MA's), (Start: 163 @16684 has 2 MA's), (164, 16693), (185, 16750), (192, 16765), (200, 16780), (248, 16828), (252, 16843), (256, 16858), (258, 16861), (267, 16891), (269, 16897), (272, 16912), (289, 16972), (303, 17026), (304, 17029), (311, 17062), (313, 17068), (314, 17071), (318, 17083), (330, 17140), (333, 17149), (335, 17164),

(351, 17230), (356, 17245), (359, 17263), (365, 17278),

Gene: ChaChing_23 Start: 17736, Stop: 18494, Start Num: 101

Candidate Starts for ChaChing_23:

(Start: 68 @17661 has 8 MA's), (77, 17679), (Start: 101 @17736 has 332 MA's), (Start: 108 @17754 has 20 MA's), (161, 17874), (164, 17886), (197, 17970), (269, 18099), (273, 18117), (290, 18177), (304, 18234), (318, 18288), (335, 18369), (338, 18381), (344, 18399), (360, 18474),

Gene: ChadMasterC_27 Start: 22182, Stop: 22955, Start Num: 115

Candidate Starts for ChadMasterC_27:

(Start: 115 @22182 has 80 MA's), (136, 22230), (161, 22287), (175, 22335), (258, 22482), (272, 22533), (284, 22578), (303, 22656), (306, 22674), (318, 22713), (347, 22836), (376, 22938),

Gene: Chaelin_21 Start: 16739, Stop: 17476, Start Num: 101

Candidate Starts for Chaelin_21:

(Start: 101 @16739 has 332 MA's), (157, 16853), (158, 16859), (Start: 163 @16868 has 2 MA's), (164, 16877), (214, 16973), (258, 17045), (260, 17051), (263, 17063), (277, 17114), (301, 17195), (306, 17228), (308, 17234), (329, 17315), (330, 17327), (335, 17351), (342, 17378), (351, 17420), (359, 17453), (365, 17468),

Gene: Chah_23 Start: 17090, Stop: 17827, Start Num: 101

Candidate Starts for Chah_23:

(Start: 101 @17090 has 332 MA's), (Start: 123 @17132 has 1 MA's), (157, 17204), (158, 17210), (Start: 163 @17219 has 2 MA's), (164, 17228), (214, 17324), (258, 17396), (260, 17402), (263, 17414), (277, 17465), (301, 17546), (306, 17579), (308, 17585), (329, 17666), (330, 17678), (335, 17702), (342, 17729), (359, 17804), (365, 17819),

Gene: Chandler_23 Start: 18513, Stop: 19253, Start Num: 108

Candidate Starts for Chandler_23:

(Start: 68 @18420 has 8 MA's), (77, 18438), (Start: 101 @18495 has 332 MA's), (Start: 108 @18513 has 20 MA's), (161, 18633), (164, 18645), (197, 18729), (269, 18858), (273, 18876), (290, 18936), (304, 18993), (318, 19047), (335, 19128), (338, 19140), (344, 19158), (360, 19233),

Gene: Charles1_22 Start: 17054, Stop: 17791, Start Num: 101

Candidate Starts for Charles1_22:

(Start: 101 @17054 has 332 MA's), (157, 17168), (158, 17174), (Start: 163 @17183 has 2 MA's), (164, 17192), (214, 17288), (258, 17360), (260, 17366), (263, 17378), (277, 17429), (301, 17510), (306, 17543), (308, 17549), (329, 17630), (330, 17642), (335, 17666), (342, 17693), (351, 17735), (359, 17768), (365, 17783),

Gene: CharlieGBrown_21 Start: 16641, Stop: 17378, Start Num: 101

Candidate Starts for CharlieGBrown_21:

(Start: 101 @16641 has 332 MA's), (157, 16755), (158, 16761), (Start: 163 @16770 has 2 MA's), (164, 16779), (214, 16875), (258, 16947), (260, 16953), (263, 16965), (277, 17016), (301, 17097), (306, 17130), (308, 17136), (329, 17217), (330, 17229), (335, 17253), (342, 17280), (359, 17355), (365, 17370),

Gene: CharlottesWeb_19 Start: 15493, Stop: 16239, Start Num: 101

Candidate Starts for CharlottesWeb_19:

(8, 14905), (Start: 101 @15493 has 332 MA's), (Start: 108 @15511 has 20 MA's), (Start: 118 @15526 has 29 MA's), (156, 15613), (214, 15736), (263, 15829), (269, 15847), (272, 15862), (330, 16090), (333, 16099), (335, 16114), (338, 16126), (351, 16183), (359, 16216), (363, 16228),

Gene: Charming_27 Start: 21039, Stop: 21806, Start Num: 115

Candidate Starts for Charming_27:

(Start: 115 @21039 has 80 MA's), (136, 21087), (161, 21144), (175, 21192), (258, 21339), (273, 21393), (284, 21429), (303, 21507), (306, 21525), (318, 21564), (330, 21621), (347, 21687), (376, 21789),

Gene: CheetO_22 Start: 17069, Stop: 17806, Start Num: 101

Candidate Starts for CheetO_22:

(Start: 101 @17069 has 332 MA's), (Start: 123 @17111 has 1 MA's), (157, 17183), (158, 17189), (Start: 163 @17198 has 2 MA's), (164, 17207), (214, 17303), (258, 17375), (260, 17381), (263, 17393), (277, 17444), (301, 17525), (306, 17558), (308, 17564), (329, 17645), (330, 17657), (335, 17681), (342, 17708), (351, 17750), (359, 17783), (365, 17798),

Gene: Cher_21 Start: 16795, Stop: 17532, Start Num: 101

Candidate Starts for Cher_21:

(Start: 101 @16795 has 332 MA's), (Start: 123 @16837 has 1 MA's), (157, 16909), (158, 16915), (Start: 163 @16924 has 2 MA's), (164, 16933), (214, 17029), (258, 17101), (260, 17107), (263, 17119), (277, 17170), (301, 17251), (306, 17284), (308, 17290), (329, 17371), (330, 17383), (335, 17407), (342, 17434), (359, 17509), (365, 17524),

Gene: Chickadee_24 Start: 17962, Stop: 18759, Start Num: 115

Candidate Starts for Chickadee_24:

(Start: 115 @17962 has 80 MA's), (168, 18091), (175, 18115), (220, 18205), (222, 18208), (265, 18322), (302, 18466), (317, 18523), (320, 18532), (322, 18541), (347, 18649), (365, 18721), (367, 18724), (374, 18739),

Gene: Childish_21 Start: 16783, Stop: 17520, Start Num: 101

Candidate Starts for Childish_21:

(Start: 101 @16783 has 332 MA's), (Start: 123 @16825 has 1 MA's), (157, 16897), (158, 16903), (Start: 163 @16912 has 2 MA's), (164, 16921), (214, 17017), (258, 17089), (260, 17095), (263, 17107), (277, 17158), (301, 17239), (306, 17272), (308, 17278), (329, 17359), (330, 17371), (335, 17395), (342, 17422), (359, 17497), (365, 17512),

Gene: Chorkpop_22 Start: 16794, Stop: 17531, Start Num: 101

Candidate Starts for Chorkpop_22:

(Start: 101 @16794 has 332 MA's), (Start: 123 @16836 has 1 MA's), (157, 16908), (158, 16914), (Start: 163 @16923 has 2 MA's), (164, 16932), (214, 17028), (258, 17100), (260, 17106), (263, 17118), (277, 17169), (301, 17250), (306, 17283), (308, 17289), (329, 17370), (330, 17382), (335, 17406), (342, 17433), (359, 17508), (365, 17523),

Gene: ChrisnMich_19 Start: 16601, Stop: 17392, Start Num: 73

Candidate Starts for ChrisnMich_19:

(Start: 73 @16601 has 1 MA's), (Start: 101 @16649 has 332 MA's), (158, 16760), (161, 16766), (Start: 163 @16769 has 2 MA's), (175, 16814), (252, 16943), (265, 16988), (273, 17015), (280, 17039), (283, 17051), (293, 17081), (303, 17126), (308, 17150), (342, 17294), (352, 17339), (356, 17351), (359, 17369), (365, 17384),

Gene: Chunky_22 Start: 17082, Stop: 17819, Start Num: 101

Candidate Starts for Chunky_22:

(Start: 101 @17082 has 332 MA's), (Start: 123 @17124 has 1 MA's), (157, 17196), (158, 17202), (Start: 163 @17211 has 2 MA's), (164, 17220), (214, 17316), (258, 17388), (260, 17394), (263, 17406), (277, 17457), (301, 17538), (306, 17571), (308, 17577), (329, 17658), (330, 17670), (335, 17694), (342, 17721), (359, 17796), (365, 17811),

Gene: Chute_21 Start: 17087, Stop: 17824, Start Num: 101

Candidate Starts for Chute_21:

(Start: 101 @17087 has 332 MA's), (157, 17201), (158, 17207), (Start: 163 @17216 has 2 MA's), (164, 17225), (214, 17321), (258, 17393), (260, 17399), (263, 17411), (277, 17462), (301, 17543), (306, 17576), (308, 17582), (329, 17663), (330, 17675), (335, 17699), (342, 17726), (359, 17801), (365, 17816),

Gene: Cinna_26 Start: 17367, Stop: 18272, Start Num: 83

Candidate Starts for Cinna_26:

(61, 17319), (Start: 83 @17367 has 7 MA's), (91, 17394), (Start: 93 @17397 has 2 MA's), (168, 17580), (240, 17754), (263, 17832), (269, 17850), (271, 17856), (273, 17868), (274, 17871), (279, 17892), (285, 17913), (308, 18012), (312, 18027), (353, 18198), (365, 18237),

Gene: ClamChowder_25 Start: 16659, Stop: 17429, Start Num: 118

Candidate Starts for ClamChowder_25:

(Start: 118 @16659 has 29 MA's), (136, 16701), (168, 16782), (215, 16887), (258, 16962), (260, 16968), (265, 16989), (269, 16998), (278, 17037), (320, 17199), (354, 17349), (356, 17355), (376, 17412),

Gene: Clawz_50 Start: 27796, Stop: 28542, Start Num: 111

Candidate Starts for Clawz_50:

(Start: 111 @27796 has 39 MA's), (161, 27904), (164, 27916), (173, 27946), (211, 28012), (269, 28123), (313, 28297), (324, 28333), (351, 28462), (365, 28510),

Gene: ClearAsMud_33 Start: 18714, Stop: 19628, Start Num: 72

Candidate Starts for ClearAsMud_33:

(Start: 72 @18714 has 29 MA's), (122, 18816), (173, 18960), (221, 19068), (230, 19095), (233, 19101), (296, 19314), (323, 19425), (333, 19476), (341, 19515), (356, 19569),

Gene: CloverMinnie_21 Start: 16916, Stop: 17659, Start Num: 88

Candidate Starts for CloverMinnie_21:

(Start: 88 @16916 has 6 MA's), (Start: 101 @16940 has 332 MA's), (Start: 108 @16958 has 20 MA's), (157, 17036), (158, 17042), (171, 17081), (211, 17150), (214, 17156), (269, 17267), (305, 17405), (318, 17453), (351, 17603), (356, 17618), (359, 17636),

Gene: Clown_27 Start: 18589, Stop: 19353, Start Num: 118

Candidate Starts for Clown_27:

(Start: 118 @18589 has 29 MA's), (119, 18592), (127, 18607), (157, 18676), (168, 18712), (220, 18823), (254, 18886), (258, 18892), (260, 18898), (265, 18919), (272, 18943), (274, 18949), (279, 18970), (317, 19120), (325, 19147), (335, 19204), (336, 19210), (338, 19216), (354, 19279), (356, 19285), (376, 19342),

Gene: Cobra_22 Start: 17075, Stop: 17812, Start Num: 101

Candidate Starts for Cobra_22:

(Start: 101 @17075 has 332 MA's), (Start: 123 @17117 has 1 MA's), (157, 17189), (158, 17195), (Start: 163 @17204 has 2 MA's), (164, 17213), (214, 17309), (258, 17381), (260, 17387), (263, 17399), (277, 17450), (301, 17531), (306, 17564), (308, 17570), (329, 17651), (330, 17663), (335, 17687), (342, 17714), (359, 17789), (365, 17804),

Gene: Coffee_24 Start: 19243, Stop: 20028, Start Num: 89

Candidate Starts for Coffee_24:

(Start: 89 @19243 has 29 MA's), (136, 19354), (153, 19390), (Start: 159 @19411 has 3 MA's), (161, 19414), (175, 19462), (192, 19498), (258, 19600), (265, 19627), (269, 19636), (273, 19654), (279, 19675), (303, 19768), (308, 19792), (314, 19813), (329, 19870), (330, 19882), (331, 19885), (338, 19915), (350, 19966), (363, 20017),

Gene: Colbert_22 Start: 17072, Stop: 17809, Start Num: 101

Candidate Starts for Colbert_22:

(Start: 101 @17072 has 332 MA's), (Start: 123 @17114 has 1 MA's), (157, 17186), (158, 17192), (Start: 163 @17201 has 2 MA's), (164, 17210), (214, 17306), (258, 17378), (260, 17384), (263, 17396), (277, 17447), (301, 17528), (306, 17561), (308, 17567), (329, 17648), (330, 17660), (335, 17684), (342, 17711), (351, 17753), (359, 17786), (365, 17801),

Gene: ColdSoup_51 Start: 27881, Stop: 28627, Start Num: 111

Candidate Starts for ColdSoup_51:

(106, 27875), (Start: 111 @27881 has 39 MA's), (117, 27896), (173, 28031), (189, 28064), (191, 28067), (203, 28088), (211, 28097), (351, 28547), (367, 28598),

Gene: Coldpizza_22 Start: 19825, Stop: 20580, Start Num: 101

Candidate Starts for Coldpizza_22:

(Start: 101 @19825 has 332 MA's), (189, 20041), (257, 20146), (272, 20197), (302, 20311), (306, 20332), (308, 20338), (331, 20434), (333, 20440), (335, 20455), (338, 20467),

Gene: Coletti_21 Start: 17087, Stop: 17824, Start Num: 101

Candidate Starts for Coletti_21:

(Start: 101 @17087 has 332 MA's), (157, 17201), (158, 17207), (Start: 163 @17216 has 2 MA's), (164, 17225), (214, 17321), (258, 17393), (260, 17399), (263, 17411), (277, 17462), (301, 17543), (306, 17576), (308, 17582), (329, 17663), (330, 17675), (335, 17699), (342, 17726), (359, 17801), (365, 17816),

Gene: Compostia_24 Start: 18079, Stop: 18912, Start Num: 68

Candidate Starts for Compostia_24:

(Start: 68 @18079 has 8 MA's), (77, 18097), (Start: 101 @18154 has 332 MA's), (Start: 108 @18172 has 20 MA's), (161, 18292), (164, 18304), (197, 18388), (269, 18517), (273, 18535), (290, 18595), (304, 18652), (318, 18706), (335, 18787), (338, 18799), (344, 18817), (360, 18892),

Gene: Cooper_20 Start: 16766, Stop: 17506, Start Num: 101

Candidate Starts for Cooper_20:

(57, 16646), (66, 16691), (Start: 101 @16766 has 332 MA's), (161, 16883), (Start: 163 @16886 has 2 MA's), (173, 16925), (189, 16958), (258, 17075), (263, 17093), (265, 17102), (273, 17129), (283, 17165), (303, 17240), (308, 17264), (330, 17357), (335, 17381), (352, 17453), (356, 17465), (359, 17483), (365, 17498),

Gene: Cornobble_21 Start: 16630, Stop: 17367, Start Num: 101

Candidate Starts for Cornobble_21:

(Start: 101 @16630 has 332 MA's), (157, 16744), (158, 16750), (Start: 163 @16759 has 2 MA's), (164, 16768), (214, 16864), (258, 16936), (260, 16942), (263, 16954), (277, 17005), (301, 17086), (306, 17119), (308, 17125), (329, 17206), (330, 17218), (335, 17242), (342, 17269), (351, 17311), (359, 17344), (365, 17359),

Gene: Corofin_23 Start: 17764, Stop: 18504, Start Num: 108

Candidate Starts for Corofin_23:

(Start: 68 @17671 has 8 MA's), (77, 17689), (Start: 101 @17746 has 332 MA's), (Start: 108 @17764 has 20 MA's), (161, 17884), (164, 17896), (197, 17980), (269, 18109), (273, 18127), (290, 18187),

(304, 18244), (318, 18298), (335, 18379), (338, 18391), (344, 18409), (360, 18484),

Gene: Cosmolli16_21 Start: 16789, Stop: 17526, Start Num: 101

Candidate Starts for Cosmolli16_21:

(Start: 101 @16789 has 332 MA's), (157, 16903), (158, 16909), (Start: 163 @16918 has 2 MA's), (164, 16927), (214, 17023), (258, 17095), (260, 17101), (263, 17113), (277, 17164), (301, 17245), (306, 17278), (308, 17284), (329, 17365), (330, 17377), (335, 17401), (342, 17428), (351, 17470), (359, 17503), (365, 17518),

Gene: CoveyB_26 Start: 16459, Stop: 17229, Start Num: 118

Candidate Starts for CoveyB_26:

(Start: 118 @16459 has 29 MA's), (136, 16501), (168, 16582), (175, 16606), (215, 16687), (258, 16762), (260, 16768), (265, 16789), (269, 16798), (278, 16837), (320, 16999), (354, 17149), (356, 17155), (376, 17212),

Gene: Craff_22 Start: 17076, Stop: 17813, Start Num: 101

Candidate Starts for Craff_22:

(Start: 101 @17076 has 332 MA's), (157, 17190), (158, 17196), (Start: 163 @17205 has 2 MA's), (164, 17214), (214, 17310), (258, 17382), (260, 17388), (263, 17400), (277, 17451), (301, 17532), (306, 17565), (308, 17571), (329, 17652), (330, 17664), (335, 17688), (342, 17715), (351, 17757), (359, 17790), (365, 17805),

Gene: Cranjis_32 Start: 18160, Stop: 19074, Start Num: 72

Candidate Starts for Cranjis_32:

(Start: 72 @18160 has 29 MA's), (122, 18262), (173, 18406), (221, 18514), (230, 18541), (233, 18547), (273, 18676), (296, 18760), (323, 18871), (336, 18943), (341, 18961), (356, 19015),

Gene: CrazyRich_30 Start: 17969, Stop: 18883, Start Num: 72

Candidate Starts for CrazyRich_30:

(Start: 72 @17969 has 29 MA's), (Start: 79 @17981 has 4 MA's), (122, 18071), (173, 18215), (221, 18323), (230, 18350), (233, 18356), (273, 18485), (296, 18569), (323, 18680), (336, 18752), (341, 18770), (356, 18824),

Gene: Cressida_28 Start: 17425, Stop: 18330, Start Num: 83

Candidate Starts for Cressida_28:

(Start: 83 @17425 has 7 MA's), (91, 17452), (Start: 93 @17455 has 2 MA's), (132, 17536), (135, 17545), (171, 17647), (223, 17767), (264, 17893), (269, 17908), (273, 17926), (274, 17929), (279, 17950), (285, 17971), (296, 18010), (308, 18070), (309, 18076), (312, 18085), (323, 18121), (335, 18187), (353, 18256), (365, 18295), (369, 18304), (370, 18310),

Gene: Crisis_32 Start: 17954, Stop: 18868, Start Num: 72

Candidate Starts for Crisis_32:

(Start: 72 @17954 has 29 MA's), (122, 18056), (173, 18200), (221, 18308), (230, 18335), (233, 18341), (273, 18470), (296, 18554), (323, 18665), (341, 18755), (356, 18809),

Gene: Crownjwl_22 Start: 16843, Stop: 17580, Start Num: 101

Candidate Starts for Crownjwl_22:

(Start: 101 @16843 has 332 MA's), (Start: 123 @16885 has 1 MA's), (157, 16957), (158, 16963), (Start: 163 @16972 has 2 MA's), (164, 16981), (214, 17077), (258, 17149), (260, 17155), (263, 17167), (277, 17218), (301, 17299), (306, 17332), (308, 17338), (329, 17419), (330, 17431), (335, 17455), (342, 17482), (359, 17557), (365, 17572),

Gene: D12_16 Start: 16542, Stop: 17279, Start Num: 104

Candidate Starts for D12_16:

(Start: 104 @16542 has 8 MA's), (Start: 112 @16554 has 1 MA's), (Start: 163 @16677 has 2 MA's), (185, 16743), (192, 16758), (200, 16773), (235, 16800), (248, 16821), (252, 16836), (256, 16851), (258, 16854), (267, 16884), (269, 16890), (272, 16905), (284, 16947), (289, 16965), (303, 17019), (304, 17022), (311, 17055), (313, 17061), (314, 17064), (318, 17076), (330, 17133), (333, 17142), (335, 17157), (351, 17223), (356, 17238), (359, 17256), (365, 17271),

Gene: DaddyDaniels_22 Start: 16768, Stop: 17505, Start Num: 101

Candidate Starts for DaddyDaniels_22:

(Start: 101 @16768 has 332 MA's), (157, 16882), (158, 16888), (Start: 163 @16897 has 2 MA's), (164, 16906), (214, 17002), (258, 17074), (260, 17080), (263, 17092), (277, 17143), (301, 17224), (306, 17257), (308, 17263), (329, 17344), (330, 17356), (335, 17380), (342, 17407), (359, 17482), (365, 17497),

Gene: Daffy_22 Start: 16795, Stop: 17532, Start Num: 101

Candidate Starts for Daffy_22:

(Start: 101 @16795 has 332 MA's), (Start: 123 @16837 has 1 MA's), (157, 16909), (158, 16915), (Start: 163 @16924 has 2 MA's), (164, 16933), (214, 17029), (258, 17101), (260, 17107), (263, 17119), (277, 17170), (301, 17251), (306, 17284), (308, 17290), (329, 17371), (330, 17383), (335, 17407), (342, 17434), (359, 17509), (365, 17524),

Gene: Daisy_23 Start: 17760, Stop: 18500, Start Num: 108

Candidate Starts for Daisy_23:

(Start: 68 @17667 has 8 MA's), (77, 17685), (Start: 101 @17742 has 332 MA's), (Start: 108 @17760 has 20 MA's), (161, 17880), (164, 17892), (197, 17976), (269, 18105), (273, 18123), (290, 18183), (304, 18240), (318, 18294), (335, 18375), (338, 18387), (344, 18405), (360, 18480),

Gene: Daka_22 Start: 17072, Stop: 17809, Start Num: 101

Candidate Starts for Daka_22:

(Start: 101 @17072 has 332 MA's), (Start: 123 @17114 has 1 MA's), (157, 17186), (158, 17192), (Start: 163 @17201 has 2 MA's), (164, 17210), (214, 17306), (258, 17378), (260, 17384), (263, 17396), (277, 17447), (301, 17528), (306, 17561), (308, 17567), (329, 17648), (330, 17660), (335, 17684), (342, 17711), (359, 17786), (365, 17801),

Gene: Danyall_25 Start: 16459, Stop: 17229, Start Num: 118

Candidate Starts for Danyall_25:

(Start: 118 @16459 has 29 MA's), (136, 16501), (168, 16582), (175, 16606), (215, 16687), (258, 16762), (260, 16768), (265, 16789), (269, 16798), (278, 16837), (320, 16999), (354, 17149), (356, 17155), (376, 17212),

Gene: Dati_22 Start: 16785, Stop: 17522, Start Num: 101

Candidate Starts for Dati_22:

(Start: 101 @16785 has 332 MA's), (157, 16899), (158, 16905), (Start: 163 @16914 has 2 MA's), (164, 16923), (214, 17019), (258, 17091), (260, 17097), (263, 17109), (277, 17160), (301, 17241), (306, 17274), (308, 17280), (329, 17361), (330, 17373), (335, 17397), (342, 17424), (359, 17499), (365, 17514),

Gene: Deenasa_23 Start: 18484, Stop: 19242, Start Num: 101

Candidate Starts for Deenasa_23:

(Start: 68 @18409 has 8 MA's), (77, 18427), (Start: 101 @18484 has 332 MA's), (Start: 108 @18502 has 20 MA's), (161, 18622), (164, 18634), (197, 18718), (269, 18847), (273, 18865), (290, 18925), (304, 18982), (318, 19036), (335, 19117), (338, 19129), (344, 19147), (360, 19222),

Gene: DelRivs_21 Start: 16784, Stop: 17521, Start Num: 101

Candidate Starts for DelRivs_21:

(Start: 101 @16784 has 332 MA's), (157, 16898), (158, 16904), (Start: 163 @16913 has 2 MA's), (164, 16922), (214, 17018), (258, 17090), (260, 17096), (263, 17108), (277, 17159), (301, 17240), (306, 17273), (308, 17279), (329, 17360), (330, 17372), (335, 17396), (342, 17423), (351, 17465), (359, 17498), (365, 17513),

Gene: Delrey21_26 Start: 21299, Stop: 22135, Start Num: 92

Candidate Starts for Delrey21_26:

(Start: 92 @21299 has 2 MA's), (Start: 115 @21344 has 80 MA's), (152, 21422), (168, 21473), (198, 21548), (209, 21569), (270, 21707), (284, 21764), (293, 21794), (318, 21899), (330, 21956), (336, 21986), (347, 22022), (354, 22055), (365, 22094),

Gene: Derg_24 Start: 20019, Stop: 20786, Start Num: 115

Candidate Starts for Derg_24:

(Start: 115 @20019 has 80 MA's), (136, 20067), (161, 20124), (164, 20136), (254, 20313), (273, 20373), (284, 20415), (303, 20493), (306, 20511), (317, 20547), (330, 20607), (347, 20673), (373, 20766),

Gene: Derpp_21 Start: 16631, Stop: 17368, Start Num: 101

Candidate Starts for Derpp_21:

(Start: 101 @16631 has 332 MA's), (Start: 123 @16673 has 1 MA's), (157, 16745), (158, 16751), (Start: 163 @16760 has 2 MA's), (164, 16769), (214, 16865), (258, 16937), (260, 16943), (263, 16955), (277, 17006), (301, 17087), (306, 17120), (308, 17126), (329, 17207), (330, 17219), (335, 17243), (342, 17270), (359, 17345), (365, 17360),

Gene: Devonte_23 Start: 17721, Stop: 18479, Start Num: 101

Candidate Starts for Devonte_23:

(Start: 68 @17646 has 8 MA's), (77, 17664), (Start: 101 @17721 has 332 MA's), (Start: 108 @17739 has 20 MA's), (161, 17859), (164, 17871), (197, 17955), (269, 18084), (273, 18102), (290, 18162), (304, 18219), (318, 18273), (335, 18354), (338, 18366), (344, 18384), (360, 18459),

Gene: Dewdrop_68 Start: 37486, Stop: 38313, Start Num: 115

Candidate Starts for Dewdrop_68:

(1, 36382), (2, 36514), (4, 36622), (5, 36784), (6, 36832), (13, 36922), (15, 36931), (22, 37045), (25, 37075), (48, 37276), (Start: 115 @37486 has 80 MA's), (140, 37546), (157, 37588), (173, 37642), (175, 37648), (227, 37753), (230, 37759), (233, 37765), (243, 37786), (269, 37876), (273, 37894), (285, 37939), (291, 37957), (303, 38014), (306, 38032), (308, 38038), (330, 38131), (334, 38143), (339, 38170), (353, 38230), (356, 38239), (365, 38266), (370, 38281), (378, 38293),

Gene: Dxdert_25 Start: 18402, Stop: 19199, Start Num: 115

Candidate Starts for Dxdert_25:

(Start: 115 @18402 has 80 MA's), (144, 18462), (168, 18531), (175, 18555), (222, 18648), (284, 18831), (302, 18906), (320, 18972), (322, 18981), (347, 19089), (365, 19161), (367, 19164), (374, 19179),

Gene: Dice_21 Start: 16772, Stop: 17509, Start Num: 101

Candidate Starts for Dice_21:

(Start: 101 @16772 has 332 MA's), (157, 16886), (158, 16892), (Start: 163 @16901 has 2 MA's), (164, 16910), (214, 17006), (258, 17078), (260, 17084), (263, 17096), (277, 17147), (301, 17228), (306, 17261), (308, 17267), (329, 17348), (330, 17360), (335, 17384), (342, 17411), (351, 17453), (359, 17486), (365, 17501),

Gene: DigitDog_22 Start: 17386, Stop: 18144, Start Num: 101

Candidate Starts for DigitDog_22:

(Start: 101 @17386 has 332 MA's), (161, 17512), (173, 17554), (236, 17659), (256, 17710), (273, 17767), (283, 17803), (293, 17833), (296, 17842), (308, 17902), (342, 18046), (351, 18088), (365, 18136),

Gene: Dingo_22 Start: 17056, Stop: 17793, Start Num: 101

Candidate Starts for Dingo_22:

(Start: 101 @17056 has 332 MA's), (157, 17170), (158, 17176), (Start: 163 @17185 has 2 MA's), (164, 17194), (214, 17290), (258, 17362), (260, 17368), (263, 17380), (277, 17431), (301, 17512), (306, 17545), (308, 17551), (329, 17632), (330, 17644), (335, 17668), (342, 17695), (359, 17770), (365, 17785),

Gene: Dione_21 Start: 16773, Stop: 17510, Start Num: 101

Candidate Starts for Dione_21:

(Start: 101 @16773 has 332 MA's), (157, 16887), (158, 16893), (Start: 163 @16902 has 2 MA's), (164, 16911), (214, 17007), (258, 17079), (260, 17085), (263, 17097), (277, 17148), (301, 17229), (306, 17262), (308, 17268), (329, 17349), (330, 17361), (335, 17385), (342, 17412), (359, 17487), (365, 17502),

Gene: DirtJuice_22 Start: 17058, Stop: 17795, Start Num: 101

Candidate Starts for DirtJuice_22:

(Start: 101 @17058 has 332 MA's), (Start: 123 @17100 has 1 MA's), (157, 17172), (158, 17178), (Start: 163 @17187 has 2 MA's), (164, 17196), (214, 17292), (258, 17364), (260, 17370), (263, 17382), (277, 17433), (301, 17514), (306, 17547), (308, 17553), (329, 17634), (330, 17646), (335, 17670), (342, 17697), (359, 17772), (365, 17787),

Gene: DoctorFroggo_26 Start: 21344, Stop: 22135, Start Num: 115

Candidate Starts for DoctorFroggo_26:

(Start: 92 @21299 has 2 MA's), (Start: 115 @21344 has 80 MA's), (152, 21422), (168, 21473), (198, 21548), (209, 21569), (270, 21707), (284, 21764), (293, 21794), (318, 21899), (330, 21956), (336, 21986), (347, 22022), (354, 22055), (365, 22094),

Gene: Doddsville_22 Start: 16785, Stop: 17522, Start Num: 101

Candidate Starts for Doddsville_22:

(Start: 101 @16785 has 332 MA's), (157, 16899), (158, 16905), (Start: 163 @16914 has 2 MA's), (164, 16923), (214, 17019), (258, 17091), (260, 17097), (263, 17109), (277, 17160), (301, 17241), (306, 17274), (308, 17280), (329, 17361), (330, 17373), (335, 17397), (342, 17424), (359, 17499), (365, 17514),

Gene: DoesntMatter_22 Start: 17054, Stop: 17791, Start Num: 101

Candidate Starts for DoesntMatter_22:

(Start: 101 @17054 has 332 MA's), (157, 17168), (158, 17174), (Start: 163 @17183 has 2 MA's), (164, 17192), (214, 17288), (258, 17360), (260, 17366), (263, 17378), (277, 17429), (301, 17510), (306, 17543), (308, 17549), (329, 17630), (330, 17642), (335, 17666), (342, 17693), (351, 17735), (359, 17768), (365, 17783),

Gene: DonSanchon_21 Start: 16771, Stop: 17508, Start Num: 101

Candidate Starts for DonSanchon_21:

(Start: 101 @16771 has 332 MA's), (Start: 123 @16813 has 1 MA's), (157, 16885), (158, 16891), (Start: 163 @16900 has 2 MA's), (164, 16909), (214, 17005), (258, 17077), (260, 17083), (263, 17095), (277, 17146), (301, 17227), (306, 17260), (308, 17266), (329, 17347), (330, 17359), (335, 17383), (342, 17410), (359, 17485), (365, 17500),

Gene: DonTron_50 Start: 27921, Stop: 28667, Start Num: 111

Candidate Starts for DonTron_50:

(Start: 101 @27897 has 332 MA's), (106, 27915), (Start: 111 @27921 has 39 MA's), (117, 27936), (173, 28071), (189, 28104), (191, 28107), (203, 28128), (211, 28137), (351, 28587), (367, 28638),

Gene: DonaldDuck_31 Start: 20570, Stop: 21418, Start Num: 111

Candidate Starts for DonaldDuck_31:

(Start: 111 @20570 has 39 MA's), (137, 20633), (151, 20663), (171, 20726), (194, 20783), (199, 20795), (240, 20876), (273, 20984), (303, 21107), (306, 21125), (352, 21317),

Gene: Donny_22 Start: 17804, Stop: 18559, Start Num: 101

Candidate Starts for Donny_22:

(50, 17639), (55, 17669), (60, 17690), (Start: 68 @17729 has 8 MA's), (Start: 101 @17804 has 332 MA's), (116, 17834), (141, 17882), (157, 17918), (161, 17930), (164, 17942), (173, 17972), (175, 17978), (186, 17999), (256, 18125), (269, 18164), (273, 18182), (283, 18218), (296, 18257), (308, 18317), (335, 18434), (338, 18446), (342, 18461), (351, 18503), (365, 18551),

Gene: Dori_19 Start: 14673, Stop: 15431, Start Num: 97

Candidate Starts for Dori_19:

(Start: 97 @14673 has 4 MA's), (102, 14682), (Start: 123 @14724 has 1 MA's), (127, 14733), (160, 14817), (164, 14829), (171, 14850), (200, 14916), (252, 14982), (256, 14997), (258, 15000), (263, 15018), (267, 15030), (275, 15063), (317, 15219), (347, 15351), (353, 15381), (356, 15390), (365, 15423),

Gene: DuchessDung_20 Start: 15922, Stop: 16659, Start Num: 101

Candidate Starts for DuchessDung_20:

(Start: 101 @15922 has 332 MA's), (157, 16036), (158, 16042), (Start: 163 @16051 has 2 MA's), (164, 16060), (214, 16156), (258, 16228), (260, 16234), (263, 16246), (277, 16297), (301, 16378), (306, 16411), (308, 16417), (329, 16498), (330, 16510), (335, 16534), (342, 16561), (359, 16636), (365, 16651),

Gene: Duggie_21 Start: 16787, Stop: 17524, Start Num: 101

Candidate Starts for Duggie_21:

(Start: 101 @16787 has 332 MA's), (157, 16901), (158, 16907), (Start: 163 @16916 has 2 MA's), (164, 16925), (214, 17021), (258, 17093), (260, 17099), (263, 17111), (277, 17162), (301, 17243), (306, 17276), (308, 17282), (329, 17363), (330, 17375), (335, 17399), (342, 17426), (359, 17501), (365, 17516),

Gene: DunneganBoMo_78 Start: 47358, Stop: 48047, Start Num: 163

Candidate Starts for DunneganBoMo_78:

(Start: 163 @47358 has 2 MA's), (299, 47721), (316, 47799), (318, 47805), (326, 47832), (329, 47853), (339, 47904),

Gene: Durga_22 Start: 17084, Stop: 17821, Start Num: 101

Candidate Starts for Durga_22:

(Start: 101 @17084 has 332 MA's), (157, 17198), (158, 17204), (Start: 163 @17213 has 2 MA's), (164, 17222), (214, 17318), (258, 17390), (260, 17396), (263, 17408), (277, 17459), (301, 17540), (306, 17573), (308, 17579), (329, 17660), (330, 17672), (335, 17696), (342, 17723), (359, 17798), (365, 17813),

Gene: EMoore_23 Start: 19818, Stop: 20612, Start Num: 115

Candidate Starts for EMoore_23:

(18, 19347), (22, 19377), (23, 19389), (24, 19392), (26, 19413), (30, 19434), (34, 19467), (Start: 115 @19818 has 80 MA's), (126, 19839), (171, 19956), (175, 19971), (210, 20031), (220, 20049), (269, 20175), (279, 20217), (284, 20235), (303, 20313), (307, 20334), (331, 20430), (336, 20457), (347, 20493), (365, 20565), (375, 20592),

Gene: Eaglehorse_24 Start: 19151, Stop: 19936, Start Num: 89

Candidate Starts for Eaglehorse_24:

(Start: 89 @19151 has 29 MA's), (136, 19262), (153, 19298), (Start: 159 @19319 has 3 MA's), (161, 19322), (175, 19370), (192, 19406), (258, 19508), (265, 19535), (269, 19544), (273, 19562), (279, 19583), (303, 19676), (308, 19700), (314, 19721), (329, 19778), (330, 19790), (331, 19793), (338, 19823), (350, 19874), (363, 19925),

Gene: EarickHC_31 Start: 17880, Stop: 18794, Start Num: 72

Candidate Starts for EarickHC_31:

(Start: 72 @17880 has 29 MA's), (122, 17982), (173, 18126), (221, 18234), (230, 18261), (233, 18267), (273, 18396), (296, 18480), (323, 18591), (336, 18663), (341, 18681), (356, 18735),

Gene: EastView9101_21 Start: 17434, Stop: 18189, Start Num: 101

Candidate Starts for EastView9101_21:

(Start: 101 @17434 has 332 MA's), (116, 17464), (157, 17548), (161, 17560), (173, 17602), (186, 17629), (256, 17755), (269, 17794), (283, 17848), (296, 17887), (308, 17947), (335, 18064), (338, 18076), (342, 18091), (351, 18133), (365, 18181),

Gene: EdmundFerry_23 Start: 17991, Stop: 18788, Start Num: 115

Candidate Starts for EdmundFerry_23:

(Start: 115 @17991 has 80 MA's), (144, 18051), (158, 18090), (168, 18120), (175, 18144), (220, 18234), (222, 18237), (265, 18351), (302, 18495), (317, 18552), (320, 18561), (322, 18570), (347, 18678), (365, 18750), (367, 18753), (374, 18768),

Gene: Emiris_22 Start: 17065, Stop: 17802, Start Num: 101

Candidate Starts for Emiris_22:

(Start: 101 @17065 has 332 MA's), (Start: 123 @17107 has 1 MA's), (157, 17179), (158, 17185), (Start: 163 @17194 has 2 MA's), (164, 17203), (214, 17299), (258, 17371), (260, 17377), (263, 17389), (277, 17440), (301, 17521), (306, 17554), (308, 17560), (329, 17641), (330, 17653), (335, 17677), (342, 17704), (359, 17779), (365, 17794),

Gene: EmpTee_22 Start: 17071, Stop: 17808, Start Num: 101

Candidate Starts for EmpTee_22:

(Start: 101 @17071 has 332 MA's), (157, 17185), (158, 17191), (Start: 163 @17200 has 2 MA's), (164, 17209), (214, 17305), (258, 17377), (260, 17383), (263, 17395), (277, 17446), (301, 17527), (306, 17560), (308, 17566), (329, 17647), (330, 17659), (335, 17683), (342, 17710), (359, 17785), (365, 17800),

Gene: Epah_19 Start: 16591, Stop: 17403, Start Num: 69

Candidate Starts for Epah_19:

(69, 16591), (78, 16612), (85, 16627), (Start: 101 @16660 has 332 MA's), (158, 16771), (161, 16777), (Start: 163 @16780 has 2 MA's), (175, 16825), (252, 16954), (265, 16999), (273, 17026), (280, 17050), (283, 17062), (293, 17092), (303, 17137), (308, 17161), (330, 17254), (342, 17305), (352, 17350), (356, 17362), (359, 17380), (365, 17395),

Gene: Eremos_22 Start: 17071, Stop: 17808, Start Num: 101

Candidate Starts for Eremos_22:

(Start: 101 @17071 has 332 MA's), (157, 17185), (158, 17191), (Start: 163 @17200 has 2 MA's), (164, 17209), (214, 17305), (258, 17377), (260, 17383), (263, 17395), (277, 17446), (301, 17527), (306, 17560), (308, 17566), (330, 17659), (335, 17683), (342, 17710), (359, 17785), (365, 17800),

Gene: Etaye_22 Start: 17057, Stop: 17794, Start Num: 101

Candidate Starts for Etaye_22:

(Start: 101 @17057 has 332 MA's), (157, 17171), (158, 17177), (Start: 163 @17186 has 2 MA's), (164, 17195), (214, 17291), (258, 17363), (260, 17369), (263, 17381), (277, 17432), (301, 17513), (306, 17546), (308, 17552), (329, 17633), (330, 17645), (335, 17669), (342, 17696), (359, 17771), (365, 17786),

Gene: Eugenia_22 Start: 17084, Stop: 17821, Start Num: 101

Candidate Starts for Eugenia_22:

(Start: 101 @17084 has 332 MA's), (157, 17198), (158, 17204), (Start: 163 @17213 has 2 MA's), (164, 17222), (214, 17318), (258, 17390), (260, 17396), (263, 17408), (277, 17459), (301, 17540), (306, 17573), (308, 17579), (329, 17660), (330, 17672), (335, 17696), (342, 17723), (351, 17765), (359, 17798), (365, 17813),

Gene: Evaa_20 Start: 16832, Stop: 17593, Start Num: 101

Candidate Starts for Evaa_20:

(19, 16421), (29, 16499), (Start: 101 @16832 has 332 MA's), (127, 16883), (146, 16928), (157, 16958), (182, 17036), (189, 17048), (251, 17138), (263, 17177), (269, 17195), (298, 17297), (306, 17345), (308, 17351), (311, 17363), (322, 17399), (330, 17444), (331, 17447), (333, 17453), (335, 17468),

Gene: Evamon_23 Start: 15945, Stop: 16715, Start Num: 118

Candidate Starts for Evamon_23:

(Start: 118 @15945 has 29 MA's), (136, 15987), (168, 16068), (175, 16092), (215, 16173), (258, 16248), (260, 16254), (265, 16275), (269, 16284), (278, 16323), (320, 16485), (354, 16635), (356, 16641), (376, 16698),

Gene: EverythinBagel_31 Start: 20958, Stop: 21806, Start Num: 111

Candidate Starts for EverythinBagel_31:

(Start: 111 @20958 has 39 MA's), (137, 21021), (151, 21051), (171, 21114), (194, 21171), (199, 21183), (240, 21264), (273, 21372), (303, 21495), (306, 21513), (358, 21732),

Gene: Fanaw_19 Start: 17354, Stop: 18097, Start Num: 101

Candidate Starts for Fanaw_19:

(80, 17312), (Start: 101 @17354 has 332 MA's), (158, 17465), (161, 17471), (175, 17519), (252, 17648), (258, 17666), (265, 17693), (273, 17720), (280, 17744), (283, 17756), (293, 17786), (303, 17831), (308, 17855), (314, 17876), (342, 17999), (352, 18044), (356, 18056), (359, 18074), (365, 18089),

Gene: Fang_22 Start: 17127, Stop: 17822, Start Num: 123

Candidate Starts for Fang_22:

(Start: 101 @17085 has 332 MA's), (Start: 123 @17127 has 1 MA's), (157, 17199), (158, 17205), (Start: 163 @17214 has 2 MA's), (164, 17223), (214, 17319), (258, 17391), (260, 17397), (263, 17409), (277, 17460), (301, 17541), (306, 17574), (308, 17580), (329, 17661), (330, 17673), (335, 17697), (342, 17724), (351, 17766), (359, 17799), (365, 17814),

Gene: Faze9_24 Start: 19247, Stop: 20032, Start Num: 89

Candidate Starts for Faze9_24:

(Start: 89 @19247 has 29 MA's), (136, 19358), (153, 19394), (Start: 159 @19415 has 3 MA's), (161, 19418), (175, 19466), (192, 19502), (258, 19604), (265, 19631), (269, 19640), (273, 19658), (279, 19679), (303, 19772), (308, 19796), (314, 19817), (329, 19874), (330, 19886), (331, 19889), (338, 19919), (350, 19970), (363, 20021),

Gene: Fireball_24 Start: 16077, Stop: 16847, Start Num: 118

Candidate Starts for Fireball_24:

(76, 15984), (Start: 118 @16077 has 29 MA's), (136, 16119), (168, 16200), (215, 16305), (258, 16380), (260, 16386), (265, 16407), (269, 16416), (278, 16455), (284, 16476), (320, 16617), (322, 16626), (354, 16767), (356, 16773), (376, 16830),

Gene: Fireman_31 Start: 17773, Stop: 18684, Start Num: 74

Candidate Starts for Fireman_31:

(Start: 74 @17773 has 8 MA's), (122, 17875), (168, 18001), (171, 18010), (173, 18019), (230, 18154), (233, 18160), (289, 18349), (296, 18370), (301, 18391), (303, 18406), (306, 18424), (308, 18430), (323, 18481), (336, 18553), (341, 18571), (356, 18625), (365, 18652),

Gene: Fitzgerald_25 Start: 21613, Stop: 22386, Start Num: 115

Candidate Starts for Fitzgerald_25:

(Start: 115 @21613 has 80 MA's), (136, 21661), (175, 21766), (258, 21913), (272, 21964), (284, 22009), (303, 22087), (306, 22105), (318, 22144), (347, 22267), (376, 22369),

Gene: Fizzles_31 Start: 20286, Stop: 21131, Start Num: 111

Candidate Starts for Fizzles_31:

(3, 19419), (7, 19665), (35, 19953), (38, 20001), (65, 20169), (75, 20208), (Start: 111 @20286 has 39 MA's), (137, 20349), (144, 20364), (151, 20379), (171, 20442), (174, 20454), (194, 20499), (237, 20586), (240, 20592), (287, 20751), (306, 20841), (338, 20976), (341, 20988), (348, 21012), (352, 21030), (355, 21039), (371, 21090),

Gene: Flatwoods_27 Start: 20380, Stop: 21147, Start Num: 115

Candidate Starts for Flatwoods_27:

(Start: 115 @20380 has 80 MA's), (136, 20428), (161, 20485), (164, 20497), (254, 20674), (273, 20734), (284, 20776), (303, 20854), (306, 20872), (317, 20908), (330, 20968), (347, 21034), (373, 21127),

Gene: FluffyNinja_22 Start: 17077, Stop: 17814, Start Num: 101

Candidate Starts for FluffyNinja_22:

(Start: 101 @17077 has 332 MA's), (157, 17191), (158, 17197), (Start: 163 @17206 has 2 MA's), (164, 17215), (214, 17311), (258, 17383), (260, 17389), (263, 17401), (277, 17452), (301, 17533), (306, 17566), (308, 17572), (329, 17653), (330, 17665), (335, 17689), (342, 17716), (351, 17758), (359, 17791), (365, 17806),

Gene: Fortunato_20 Start: 17686, Stop: 18429, Start Num: 101

Candidate Starts for Fortunato_20:

(Start: 101 @17686 has 332 MA's), (158, 17797), (161, 17803), (175, 17851), (252, 17980), (258, 17998), (265, 18025), (273, 18052), (280, 18076), (283, 18088), (293, 18118), (303, 18163), (308, 18187), (314, 18208), (352, 18376), (356, 18388), (359, 18406), (365, 18421),

Gene: Fosterous_25 Start: 21452, Stop: 22219, Start Num: 115

Candidate Starts for Fosterous_25:

(Start: 115 @21452 has 80 MA's), (136, 21500), (175, 21605), (254, 21746), (273, 21806), (284, 21842), (303, 21920), (306, 21938), (318, 21977), (330, 22034), (347, 22100), (376, 22202),

Gene: Fozzie_21 Start: 17080, Stop: 17817, Start Num: 101

Candidate Starts for Fozzie_21:

(Start: 101 @17080 has 332 MA's), (157, 17194), (158, 17200), (Start: 163 @17209 has 2 MA's), (164, 17218), (214, 17314), (258, 17386), (260, 17392), (263, 17404), (277, 17455), (301, 17536), (306, 17569), (308, 17575), (329, 17656), (330, 17668), (335, 17692), (342, 17719), (359, 17794), (365, 17809),

Gene: FrankDeliGuy_29 Start: 20533, Stop: 21381, Start Num: 111

Candidate Starts for FrankDeliGuy_29:

(Start: 111 @20533 has 39 MA's), (137, 20596), (151, 20626), (171, 20689), (194, 20746), (199, 20758), (240, 20839), (273, 20947), (303, 21070), (306, 21088), (352, 21280),

Gene: Frankicide_22 Start: 17071, Stop: 17808, Start Num: 101

Candidate Starts for Frankicide_22:

(Start: 101 @17071 has 332 MA's), (157, 17185), (158, 17191), (Start: 163 @17200 has 2 MA's), (164, 17209), (214, 17305), (258, 17377), (260, 17383), (263, 17395), (277, 17446), (301, 17527), (306, 17560), (308, 17566), (329, 17647), (330, 17659), (335, 17683), (342, 17710), (351, 17752), (359, 17785), (365, 17800),

Gene: Fransoyer_33 Start: 20394, Stop: 21245, Start Num: 111

Candidate Starts for Fransoyer_33:

(Start: 111 @20394 has 39 MA's), (137, 20460), (151, 20490), (171, 20553), (175, 20568), (178, 20577), (194, 20610), (213, 20652), (237, 20700), (240, 20706), (279, 20838), (352, 21144), (355, 21153),

Gene: Frederick_20 Start: 17695, Stop: 18438, Start Num: 101

Candidate Starts for Frederick_20:

(Start: 101 @17695 has 332 MA's), (158, 17806), (161, 17812), (Start: 163 @17815 has 2 MA's), (175, 17860), (252, 17989), (258, 18007), (265, 18034), (273, 18061), (280, 18085), (283, 18097), (293, 18127), (303, 18172), (308, 18196), (314, 18217), (352, 18385), (356, 18397), (359, 18415), (365, 18430),

Gene: Fregley_31 Start: 19755, Stop: 20600, Start Num: 111

Candidate Starts for Fregley_31:

(Start: 111 @19755 has 39 MA's), (137, 19821), (151, 19851), (194, 19971), (240, 20064), (270, 20157), (296, 20259), (310, 20325), (330, 20406), (352, 20496), (365, 20541),

Gene: FrenchFry_24 Start: 19250, Stop: 20035, Start Num: 89

Candidate Starts for FrenchFry_24:

(Start: 89 @19250 has 29 MA's), (136, 19361), (153, 19397), (Start: 159 @19418 has 3 MA's), (161, 19421), (175, 19469), (192, 19505), (258, 19607), (265, 19634), (269, 19643), (273, 19661), (279, 19682), (303, 19775), (308, 19799), (314, 19820), (329, 19877), (330, 19889), (331, 19892), (338, 19922), (350, 19973), (363, 20024),

Gene: Fresco_19 Start: 15599, Stop: 16345, Start Num: 101

Candidate Starts for Fresco_19:

(Start: 86 @15569 has 3 MA's), (Start: 101 @15599 has 332 MA's), (Start: 108 @15617 has 20 MA's), (Start: 118 @15632 has 29 MA's), (196, 15818), (269, 15953), (272, 15968), (283, 16007), (330, 16196), (333, 16205), (335, 16220), (338, 16232), (351, 16289), (356, 16304), (365, 16337),

Gene: Freya_21 Start: 16766, Stop: 17503, Start Num: 101

Candidate Starts for Freya_21:

(Start: 101 @16766 has 332 MA's), (Start: 123 @16808 has 1 MA's), (157, 16880), (158, 16886), (Start: 163 @16895 has 2 MA's), (164, 16904), (214, 17000), (258, 17072), (260, 17078), (263, 17090), (277, 17141), (301, 17222), (306, 17255), (308, 17261), (329, 17342), (330, 17354), (335, 17378), (342, 17405), (359, 17480), (365, 17495),

Gene: FriarPreacher_22 Start: 17091, Stop: 17828, Start Num: 101

Candidate Starts for FriarPreacher_22:

(Start: 101 @17091 has 332 MA's), (Start: 123 @17133 has 1 MA's), (157, 17205), (158, 17211), (Start: 163 @17220 has 2 MA's), (164, 17229), (214, 17325), (258, 17397), (260, 17403), (263, 17415), (277, 17466), (301, 17547), (306, 17580), (308, 17586), (329, 17667), (330, 17679), (335, 17703), (342, 17730), (359, 17805), (365, 17820),

Gene: Fringe_22 Start: 17055, Stop: 17792, Start Num: 101

Candidate Starts for Fringe_22:

(Start: 101 @17055 has 332 MA's), (157, 17169), (158, 17175), (Start: 163 @17184 has 2 MA's), (164, 17193), (214, 17289), (258, 17361), (260, 17367), (263, 17379), (277, 17430), (301, 17511), (306, 17544), (308, 17550), (329, 17631), (330, 17643), (335, 17667), (342, 17694), (351, 17736), (359, 17769), (365, 17784),

Gene: FugateOSU_21 Start: 16777, Stop: 17514, Start Num: 101

Candidate Starts for FugateOSU_21:

(Start: 101 @16777 has 332 MA's), (157, 16891), (158, 16897), (Start: 163 @16906 has 2 MA's), (164, 16915), (214, 17011), (258, 17083), (260, 17089), (263, 17101), (277, 17152), (301, 17233), (306, 17266), (308, 17272), (329, 17353), (330, 17365), (335, 17389), (342, 17416), (359, 17491), (365, 17506),

Gene: Fugax_25 Start: 16659, Stop: 17429, Start Num: 118

Candidate Starts for Fugax_25:

(Start: 118 @16659 has 29 MA's), (136, 16701), (168, 16782), (215, 16887), (258, 16962), (260, 16968), (265, 16989), (269, 16998), (278, 17037), (320, 17199), (354, 17349), (356, 17355), (376, 17412),

Gene: Funsized_25 Start: 20162, Stop: 20899, Start Num: 101

Candidate Starts for Funsized_25:

(Start: 101 @20162 has 332 MA's), (158, 20273), (Start: 163 @20282 has 2 MA's), (186, 20348), (189, 20357), (211, 20384), (265, 20492), (273, 20519), (277, 20534), (308, 20654), (328, 20723), (329, 20738), (332, 20756), (348, 20828), (350, 20837), (351, 20843), (365, 20891),

Gene: FuzzBuster_35 Start: 18082, Stop: 18993, Start Num: 79

Candidate Starts for FuzzBuster_35:

(Start: 79 @18082 has 4 MA's), (Start: 93 @18112 has 2 MA's), (157, 18259), (161, 18271), (227, 18424), (243, 18457), (264, 18532), (269, 18547), (279, 18589), (285, 18610), (303, 18685), (308, 18709), (356, 18910),

Gene: GTE6_24 Start: 18480, Stop: 19277, Start Num: 115

Candidate Starts for GTE6_24:

(Start: 115 @18480 has 80 MA's), (168, 18609), (175, 18633), (220, 18723), (222, 18726), (265, 18840), (302, 18984), (317, 19041), (320, 19050), (322, 19059), (347, 19167), (353, 19197), (365, 19239), (367, 19242), (374, 19257),

Gene: Gadjet_24 Start: 17743, Stop: 18483, Start Num: 108

Candidate Starts for Gadjet_24:

(Start: 68 @17650 has 8 MA's), (77, 17668), (Start: 101 @17725 has 332 MA's), (Start: 108 @17743 has 20 MA's), (161, 17863), (164, 17875), (197, 17959), (273, 18106), (290, 18166), (304, 18223), (318, 18277), (335, 18358), (338, 18370), (344, 18388), (360, 18463),

Gene: Gaea_26 Start: 20031, Stop: 20798, Start Num: 115

Candidate Starts for Gaea_26:

(Start: 115 @20031 has 80 MA's), (136, 20079), (161, 20136), (164, 20148), (254, 20325), (273, 20385), (284, 20427), (303, 20505), (306, 20523), (317, 20559), (330, 20619), (347, 20685), (373, 20778),

Gene: Galadriel_27 Start: 21938, Stop: 22711, Start Num: 115

Candidate Starts for Galadriel_27:

(Start: 115 @21938 has 80 MA's), (136, 21986), (161, 22043), (175, 22091), (232, 22181), (258, 22238), (272, 22289), (284, 22334), (303, 22412), (306, 22430), (318, 22469), (330, 22526), (347, 22592), (376, 22694),

Gene: Ganandorf_30 Start: 18016, Stop: 18930, Start Num: 72

Candidate Starts for Ganandorf_30:

(Start: 72 @18016 has 29 MA's), (Start: 79 @18028 has 4 MA's), (122, 18118), (173, 18262), (221, 18370), (230, 18397), (233, 18403), (273, 18532), (296, 18616), (323, 18727), (336, 18799), (341, 18817), (356, 18871),

Gene: Gareth_21 Start: 16774, Stop: 17511, Start Num: 101

Candidate Starts for Gareth_21:

(Start: 101 @16774 has 332 MA's), (Start: 123 @16816 has 1 MA's), (157, 16888), (158, 16894), (Start: 163 @16903 has 2 MA's), (164, 16912), (214, 17008), (258, 17080), (260, 17086), (263, 17098), (277, 17149), (301, 17230), (306, 17263), (308, 17269), (329, 17350), (330, 17362), (335, 17386), (342, 17413), (359, 17488), (365, 17503),

Gene: Gazebo_30 Start: 21010, Stop: 21858, Start Num: 111

Candidate Starts for Gazebo_30:

(Start: 111 @21010 has 39 MA's), (137, 21073), (151, 21103), (171, 21166), (194, 21223), (240, 21316), (273, 21424), (303, 21547), (306, 21565), (352, 21757),

Gene: GeneCoco_22 Start: 17076, Stop: 17813, Start Num: 101

Candidate Starts for GeneCoco_22:

(Start: 101 @17076 has 332 MA's), (157, 17190), (158, 17196), (Start: 163 @17205 has 2 MA's), (164, 17214), (214, 17310), (258, 17382), (260, 17388), (263, 17400), (277, 17451), (301, 17532), (306, 17565), (308, 17571), (329, 17652), (330, 17664), (335, 17688), (342, 17715), (359, 17790), (365, 17805),

Gene: Geodirt_24 Start: 20921, Stop: 21694, Start Num: 115

Candidate Starts for Geodirt_24:

(Start: 115 @20921 has 80 MA's), (136, 20969), (175, 21074), (232, 21164), (258, 21221), (272, 21272), (284, 21317), (303, 21395), (306, 21413), (318, 21452), (330, 21509), (347, 21575), (376, 21677),

Gene: Gervas_23 Start: 17627, Stop: 18460, Start Num: 68

Candidate Starts for Gervas_23:

(Start: 68 @17627 has 8 MA's), (77, 17645), (Start: 101 @17702 has 332 MA's), (Start: 108 @17720 has 20 MA's), (161, 17840), (164, 17852), (197, 17936), (269, 18065), (273, 18083), (290, 18143), (304, 18200), (318, 18254), (335, 18335), (338, 18347), (344, 18365), (360, 18440),

Gene: Gezellig_24 Start: 16077, Stop: 16847, Start Num: 118

Candidate Starts for Gezellig_24:

(76, 15984), (Start: 118 @16077 has 29 MA's), (136, 16119), (168, 16200), (215, 16305), (258, 16380), (260, 16386), (265, 16407), (269, 16416), (278, 16455), (284, 16476), (320, 16617), (322, 16626), (354, 16767), (356, 16773), (376, 16830),

Gene: GinPorsche_19 Start: 16591, Stop: 17403, Start Num: 69

Candidate Starts for GinPorsche_19:

(69, 16591), (78, 16612), (85, 16627), (Start: 101 @16660 has 332 MA's), (158, 16771), (161, 16777), (Start: 163 @16780 has 2 MA's), (175, 16825), (252, 16954), (265, 16999), (273, 17026), (280, 17050), (283, 17062), (293, 17092), (303, 17137), (308, 17161), (330, 17254), (342, 17305), (352, 17350), (356, 17362), (359, 17380), (365, 17395),

Gene: Gina_32 Start: 17796, Stop: 18707, Start Num: 74

Candidate Starts for Gina_32:

(Start: 74 @17796 has 8 MA's), (Start: 79 @17808 has 4 MA's), (122, 17898), (168, 18024), (173, 18042), (175, 18048), (230, 18177), (273, 18312), (296, 18393), (301, 18414), (303, 18429), (306, 18447), (308, 18453), (323, 18504), (336, 18576), (341, 18594), (356, 18648), (365, 18675),

Gene: Giraffe_22 Start: 16779, Stop: 17516, Start Num: 101

Candidate Starts for Giraffe_22:

(Start: 101 @16779 has 332 MA's), (Start: 123 @16821 has 1 MA's), (157, 16893), (158, 16899), (Start: 163 @16908 has 2 MA's), (164, 16917), (214, 17013), (258, 17085), (260, 17091), (263, 17103), (277, 17154), (301, 17235), (306, 17268), (308, 17274), (329, 17355), (330, 17367), (335, 17391), (342, 17418), (359, 17493), (365, 17508),

Gene: Glass_24 Start: 19250, Stop: 20035, Start Num: 89

Candidate Starts for Glass_24:

(Start: 89 @19250 has 29 MA's), (136, 19361), (153, 19397), (Start: 159 @19418 has 3 MA's), (161, 19421), (175, 19469), (192, 19505), (258, 19607), (265, 19634), (269, 19643), (273, 19661), (279, 19682), (303, 19775), (308, 19799), (314, 19820), (329, 19877), (330, 19889), (331, 19892), (338, 19922), (350, 19973), (363, 20024),

Gene: GlenHope_24 Start: 17636, Stop: 18469, Start Num: 68

Candidate Starts for GlenHope_24:

(Start: 68 @17636 has 8 MA's), (77, 17654), (Start: 101 @17711 has 332 MA's), (Start: 108 @17729 has 20 MA's), (161, 17849), (164, 17861), (197, 17945), (269, 18074), (273, 18092), (290, 18152), (304, 18209), (318, 18263), (335, 18344), (338, 18356), (344, 18374), (360, 18449),

Gene: GodPhather_17 Start: 16807, Stop: 17544, Start Num: 104

Candidate Starts for GodPhather_17:

(Start: 104 @16807 has 8 MA's), (Start: 112 @16819 has 1 MA's), (Start: 163 @16942 has 2 MA's), (164, 16951), (185, 17008), (192, 17023), (200, 17038), (235, 17065), (248, 17086), (252, 17101), (258, 17119), (267, 17149), (269, 17155), (272, 17170), (289, 17230), (303, 17284), (304, 17287), (311, 17320), (313, 17326), (314, 17329), (330, 17398), (333, 17407), (335, 17422), (351, 17488), (356, 17503), (359, 17521), (365, 17536),

Gene: Godines_24 Start: 19143, Stop: 19928, Start Num: 89

Candidate Starts for Godines_24:

(Start: 89 @19143 has 29 MA's), (136, 19254), (153, 19290), (Start: 159 @19311 has 3 MA's), (161, 19314), (175, 19362), (192, 19398), (258, 19500), (265, 19527), (267, 19530), (269, 19536), (273, 19554), (279, 19575), (303, 19668), (308, 19692), (314, 19713), (329, 19770), (330, 19782), (331, 19785), (338, 19815), (350, 19866), (363, 19917),

Gene: Gophee_22 Start: 17057, Stop: 17794, Start Num: 101

Candidate Starts for Gophee_22:

(Start: 101 @17057 has 332 MA's), (157, 17171), (158, 17177), (Start: 163 @17186 has 2 MA's), (164, 17195), (214, 17291), (258, 17363), (260, 17369), (263, 17381), (277, 17432), (301, 17513), (306, 17546), (308, 17552), (329, 17633), (330, 17645), (335, 17669), (342, 17696), (351, 17738), (359, 17771), (365, 17786),

Gene: Grand2040_21 Start: 16794, Stop: 17531, Start Num: 101

Candidate Starts for Grand2040_21:

(Start: 101 @16794 has 332 MA's), (Start: 123 @16836 has 1 MA's), (157, 16908), (158, 16914), (Start: 163 @16923 has 2 MA's), (164, 16932), (214, 17028), (258, 17100), (260, 17106), (263, 17118), (277, 17169), (301, 17250), (306, 17283), (308, 17289), (329, 17370), (330, 17382), (335, 17406), (342, 17433), (359, 17508), (365, 17523),

Gene: Grassboy_32 Start: 21184, Stop: 22032, Start Num: 111

Candidate Starts for Grassboy_32:

(Start: 111 @21184 has 39 MA's), (137, 21247), (151, 21277), (171, 21340), (194, 21397), (199, 21409), (240, 21490), (273, 21598), (303, 21721), (306, 21739), (352, 21931),

Gene: Gustavo_26 Start: 20171, Stop: 20938, Start Num: 115

Candidate Starts for Gustavo_26:

(Start: 115 @20171 has 80 MA's), (136, 20219), (161, 20276), (164, 20288), (254, 20465), (273, 20525), (284, 20567), (303, 20645), (306, 20663), (317, 20699), (330, 20759), (347, 20825),

Gene: Gwilliam_22 Start: 17067, Stop: 17804, Start Num: 101

Candidate Starts for Gwilliam_22:

(Start: 101 @17067 has 332 MA's), (157, 17181), (158, 17187), (Start: 163 @17196 has 2 MA's), (164, 17205), (214, 17301), (258, 17373), (260, 17379), (263, 17391), (277, 17442), (301, 17523), (306, 17556), (308, 17562), (329, 17643), (330, 17655), (335, 17679), (342, 17706), (359, 17781), (365, 17796),

Gene: Gyarad_0022 Start: 17069, Stop: 17806, Start Num: 101

Candidate Starts for Gyarad_0022:

(Start: 101 @17069 has 332 MA's), (Start: 123 @17111 has 1 MA's), (157, 17183), (158, 17189), (Start: 163 @17198 has 2 MA's), (164, 17207), (214, 17303), (258, 17375), (260, 17381), (263, 17393), (277, 17444), (301, 17525), (306, 17558), (308, 17564), (329, 17645), (330, 17657), (335, 17681), (342, 17708), (351, 17750), (359, 17783), (365, 17798),

Gene: HSavage_22 Start: 17077, Stop: 17814, Start Num: 101

Candidate Starts for HSavage_22:

(Start: 101 @17077 has 332 MA's), (Start: 123 @17119 has 1 MA's), (157, 17191), (158, 17197), (Start: 163 @17206 has 2 MA's), (164, 17215), (214, 17311), (258, 17383), (260, 17389), (263, 17401), (277, 17452), (301, 17533), (306, 17566), (308, 17572), (329, 17653), (330, 17665), (335, 17689), (342, 17716), (351, 17758), (359, 17791), (365, 17806),

Gene: Haimas_22 Start: 17072, Stop: 17809, Start Num: 101

Candidate Starts for Haimas_22:

(Start: 101 @17072 has 332 MA's), (157, 17186), (158, 17192), (Start: 163 @17201 has 2 MA's), (164, 17210), (214, 17306), (258, 17378), (260, 17384), (263, 17396), (277, 17447), (301, 17528), (306, 17561), (308, 17567), (329, 17648), (330, 17660), (335, 17684), (342, 17711), (351, 17753), (359, 17786), (365, 17801),

Gene: Haleema_21 Start: 16794, Stop: 17531, Start Num: 101

Candidate Starts for Haleema_21:

(Start: 101 @16794 has 332 MA's), (157, 16908), (158, 16914), (Start: 163 @16923 has 2 MA's), (164, 16932), (214, 17028), (258, 17100), (260, 17106), (263, 17118), (277, 17169), (301, 17250), (306, 17283), (308, 17289), (329, 17370), (330, 17382), (335, 17406), (342, 17433), (351, 17475), (359, 17508), (365, 17523),

Gene: Halfpint_22 Start: 17546, Stop: 18304, Start Num: 101

Candidate Starts for Halfpint_22:

(Start: 68 @17471 has 8 MA's), (77, 17489), (Start: 101 @17546 has 332 MA's), (Start: 108 @17564 has 20 MA's), (161, 17684), (164, 17696), (197, 17780), (269, 17909), (273, 17927), (290, 17987), (304, 18044), (318, 18098), (335, 18179), (338, 18191), (344, 18209), (360, 18284),

Gene: Hally898_19 Start: 16591, Stop: 17403, Start Num: 69

Candidate Starts for Hally898_19:

(69, 16591), (78, 16612), (85, 16627), (Start: 101 @16660 has 332 MA's), (158, 16771), (161, 16777), (Start: 163 @16780 has 2 MA's), (175, 16825), (252, 16954), (265, 16999), (273, 17026), (280, 17050), (283, 17062), (293, 17092), (303, 17137), (308, 17161), (330, 17254), (342, 17305), (352, 17350), (356, 17362), (359, 17380), (365, 17395),

Gene: Halo3_24 Start: 16370, Stop: 17140, Start Num: 118

Candidate Starts for Halo3_24:

(Start: 118 @16370 has 29 MA's), (136, 16412), (168, 16493), (175, 16517), (215, 16598), (258, 16673), (260, 16679), (265, 16700), (269, 16709), (278, 16748), (320, 16910), (354, 17060), (356, 17066), (376, 17123),

Gene: Hamish_22 Start: 17064, Stop: 17801, Start Num: 101

Candidate Starts for Hamish_22:

(Start: 101 @17064 has 332 MA's), (157, 17178), (158, 17184), (Start: 163 @17193 has 2 MA's), (164, 17202), (214, 17298), (258, 17370), (260, 17376), (263, 17388), (277, 17439), (301, 17520), (306, 17553), (308, 17559), (329, 17640), (330, 17652), (335, 17676), (342, 17703), (351, 17745), (359, 17778), (365, 17793),

Gene: Hangman_20 Start: 17693, Stop: 18436, Start Num: 101

Candidate Starts for Hangman_20:

(Start: 101 @17693 has 332 MA's), (158, 17804), (161, 17810), (175, 17858), (252, 17987), (265, 18032), (273, 18059), (280, 18083), (283, 18095), (293, 18125), (303, 18170), (308, 18194), (335, 18311), (342, 18338), (352, 18383), (356, 18395), (359, 18413), (365, 18428),

Gene: Hans_27 Start: 19636, Stop: 20430, Start Num: 115

Candidate Starts for Hans_27:

(Start: 115 @19636 has 80 MA's), (126, 19657), (150, 19708), (175, 19789), (210, 19849), (220, 19867), (222, 19870), (273, 20011), (279, 20035), (284, 20053), (307, 20152), (330, 20245), (331, 20248), (336, 20275), (347, 20311), (365, 20383), (375, 20410),

Gene: Hartsy_22 Start: 17067, Stop: 17804, Start Num: 101

Candidate Starts for Hartsy_22:

(Start: 101 @17067 has 332 MA's), (157, 17181), (158, 17187), (Start: 163 @17196 has 2 MA's), (164, 17205), (214, 17301), (258, 17373), (260, 17379), (263, 17391), (277, 17442), (301, 17523), (306, 17556), (308, 17562), (329, 17643), (330, 17655), (335, 17679), (342, 17706), (359, 17781), (365, 17796),

Gene: Harvey_22 Start: 17093, Stop: 17830, Start Num: 101

Candidate Starts for Harvey_22:

(Start: 101 @17093 has 332 MA's), (157, 17207), (158, 17213), (Start: 163 @17222 has 2 MA's), (164, 17231), (214, 17327), (258, 17399), (260, 17405), (263, 17417), (277, 17468), (301, 17549), (306, 17582), (308, 17588), (329, 17669), (330, 17681), (335, 17705), (342, 17732), (359, 17807), (365, 17822),

Gene: HarveySr_23 Start: 17698, Stop: 18456, Start Num: 101

Candidate Starts for HarveySr_23:

(Start: 68 @17623 has 8 MA's), (77, 17641), (Start: 101 @17698 has 332 MA's), (Start: 108 @17716 has 20 MA's), (161, 17836), (164, 17848), (197, 17932), (273, 18079), (290, 18139), (304, 18196), (318, 18250), (335, 18331), (338, 18343), (344, 18361), (360, 18436),

Gene: Hashim76_26 Start: 17548, Stop: 18297, Start Num: 101

Candidate Starts for Hashim76_26:

(Start: 101 @17548 has 332 MA's), (Start: 163 @17677 has 2 MA's), (205, 17770), (269, 17899), (273, 17917), (279, 17938), (303, 18028), (308, 18052), (311, 18064), (330, 18148), (342, 18199), (365, 18289),

Gene: Heath_19 Start: 17324, Stop: 18067, Start Num: 101

Candidate Starts for Heath_19:

(80, 17282), (Start: 101 @17324 has 332 MA's), (158, 17435), (161, 17441), (175, 17489), (252, 17618), (265, 17663), (273, 17690), (274, 17693), (280, 17714), (283, 17726), (293, 17756), (303, 17801), (308, 17825), (335, 17942), (342, 17969), (352, 18014), (356, 18026), (359, 18044), (365, 18059),

Gene: Heathcliff_23 Start: 17701, Stop: 18441, Start Num: 108

Candidate Starts for Heathcliff_23:

(Start: 68 @17608 has 8 MA's), (77, 17626), (Start: 101 @17683 has 332 MA's), (Start: 108 @17701 has 20 MA's), (161, 17821), (164, 17833), (197, 17917), (269, 18046), (273, 18064), (290, 18124), (304, 18181), (318, 18235), (335, 18316), (338, 18328), (344, 18346), (360, 18421),

Gene: Hedgerow_24 Start: 19232, Stop: 20017, Start Num: 89

Candidate Starts for Hedgerow_24:

(Start: 89 @19232 has 29 MA's), (136, 19343), (153, 19379), (Start: 159 @19400 has 3 MA's), (161, 19403), (175, 19451), (192, 19487), (258, 19589), (265, 19616), (269, 19625), (273, 19643), (279, 19664), (303, 19757), (308, 19781), (314, 19802), (329, 19859), (330, 19871), (331, 19874), (338, 19904), (350, 19955), (363, 20006),

Gene: Held_22 Start: 16778, Stop: 17515, Start Num: 101

Candidate Starts for Held_22:

(Start: 101 @16778 has 332 MA's), (Start: 123 @16820 has 1 MA's), (157, 16892), (158, 16898), (Start: 163 @16907 has 2 MA's), (164, 16916), (214, 17012), (258, 17084), (260, 17090), (263, 17102), (277, 17153), (301, 17234), (306, 17267), (308, 17273), (329, 17354), (330, 17366), (335, 17390), (342, 17417), (359, 17492), (365, 17507),

Gene: Hendrix_63 Start: 36633, Stop: 37523, Start Num: 93

Candidate Starts for Hendrix_63:

(Start: 93 @36633 has 2 MA's), (144, 36747), (157, 36780), (173, 36834), (227, 36945), (230, 36951), (243, 36978), (263, 37050), (265, 37059), (269, 37068), (272, 37083), (279, 37110), (280, 37113), (285, 37131), (291, 37149), (303, 37224), (308, 37248), (317, 37278), (334, 37353), (339, 37380), (353, 37440), (357, 37452), (370, 37491), (378, 37503),

Gene: HenryJackson_21 Start: 16794, Stop: 17531, Start Num: 101

Candidate Starts for HenryJackson_21:

(Start: 101 @16794 has 332 MA's), (157, 16908), (158, 16914), (Start: 163 @16923 has 2 MA's), (164, 16932), (214, 17028), (258, 17100), (260, 17106), (263, 17118), (277, 17169), (301, 17250), (306, 17283), (308, 17289), (329, 17370), (330, 17382), (335, 17406), (342, 17433), (351, 17475), (359, 17508), (365, 17523),

Gene: Hermeonysus_30 Start: 17889, Stop: 18803, Start Num: 72

Candidate Starts for Hermeonysus_30:

(Start: 72 @17889 has 29 MA's), (122, 17991), (173, 18135), (221, 18243), (230, 18270), (233, 18276), (273, 18405), (296, 18489), (323, 18600), (336, 18672), (341, 18690), (356, 18744),

Gene: Hertubise_22 Start: 17086, Stop: 17823, Start Num: 101

Candidate Starts for Hertubise_22:

(Start: 101 @17086 has 332 MA's), (157, 17200), (158, 17206), (Start: 163 @17215 has 2 MA's), (164, 17224), (214, 17320), (258, 17392), (260, 17398), (263, 17410), (277, 17461), (301, 17542), (306, 17575), (308, 17581), (329, 17662), (330, 17674), (335, 17698), (342, 17725), (351, 17767), (359, 17800), (365, 17815),

Gene: Hetaeria_22 Start: 17087, Stop: 17824, Start Num: 101

Candidate Starts for Hetaeria_22:

(Start: 101 @17087 has 332 MA's), (Start: 123 @17129 has 1 MA's), (157, 17201), (158, 17207), (Start: 163 @17216 has 2 MA's), (164, 17225), (214, 17321), (258, 17393), (260, 17399), (263, 17411), (277, 17462), (301, 17543), (306, 17576), (308, 17582), (329, 17663), (330, 17675), (335, 17699), (342, 17726), (359, 17801), (365, 17816),

Gene: HighStump_21 Start: 16777, Stop: 17514, Start Num: 101

Candidate Starts for HighStump_21:

(Start: 101 @16777 has 332 MA's), (Start: 123 @16819 has 1 MA's), (157, 16891), (158, 16897), (Start: 163 @16906 has 2 MA's), (164, 16915), (214, 17011), (258, 17083), (260, 17089), (263, 17101), (277, 17152), (301, 17233), (306, 17266), (308, 17272), (329, 17353), (330, 17365), (335, 17389), (342, 17416), (359, 17491), (365, 17506),

Gene: Hocus_21 Start: 16780, Stop: 17517, Start Num: 101

Candidate Starts for Hocus_21:

(Start: 101 @16780 has 332 MA's), (157, 16894), (158, 16900), (Start: 163 @16909 has 2 MA's), (164, 16918), (214, 17014), (258, 17086), (260, 17092), (263, 17104), (277, 17155), (301, 17236), (306, 17269), (308, 17275), (329, 17356), (330, 17368), (335, 17392), (342, 17419), (359, 17494), (365, 17509),

Gene: Holeinone_24 Start: 19128, Stop: 19913, Start Num: 89

Candidate Starts for Holeinone_24:

(Start: 89 @19128 has 29 MA's), (136, 19239), (153, 19275), (Start: 159 @19296 has 3 MA's), (161, 19299), (175, 19347), (192, 19383), (258, 19485), (265, 19512), (269, 19521), (273, 19539), (279, 19560), (303, 19653), (308, 19677), (314, 19698), (329, 19755), (330, 19767), (331, 19770), (338, 19800), (350, 19851), (363, 19902),

Gene: Honeyfin_32 Start: 18204, Stop: 19118, Start Num: 72

Candidate Starts for Honeyfin_32:

(Start: 72 @18204 has 29 MA's), (Start: 79 @18216 has 4 MA's), (122, 18306), (173, 18450), (221, 18558), (230, 18585), (233, 18591), (273, 18720), (296, 18804), (323, 18915), (336, 18987), (341, 19005), (356, 19059),

Gene: Horchata_22 Start: 17056, Stop: 17793, Start Num: 101

Candidate Starts for Horchata_22:

(Start: 101 @17056 has 332 MA's), (Start: 123 @17098 has 1 MA's), (157, 17170), (158, 17176), (Start: 163 @17185 has 2 MA's), (164, 17194), (214, 17290), (258, 17362), (260, 17368), (263, 17380), (277, 17431), (301, 17512), (306, 17545), (308, 17551), (329, 17632), (330, 17644), (335, 17668), (342, 17695), (359, 17770), (365, 17785),

Gene: Hosp_016 Start: 14439, Stop: 15182, Start Num: 100

Candidate Starts for Hosp_016:

(Start: 100 @14439 has 1 MA's), (Start: 114 @14466 has 1 MA's), (129, 14499), (157, 14550), (173, 14604), (175, 14610), (198, 14658), (212, 14673), (239, 14703), (256, 14748), (263, 14769), (269, 14787), (270, 14790), (272, 14802), (303, 14916), (308, 14940), (330, 15033), (335, 15057), (342, 15084), (359, 15159), (365, 15174),

Gene: Hydro_20 Start: 17692, Stop: 18435, Start Num: 101

Candidate Starts for Hydro_20:

(Start: 101 @17692 has 332 MA's), (158, 17803), (161, 17809), (175, 17857), (252, 17986), (258, 18004), (265, 18031), (273, 18058), (280, 18082), (283, 18094), (293, 18124), (303, 18169), (308, 18193), (342, 18337), (352, 18382), (356, 18394), (359, 18412), (365, 18427),

Gene: Hyperion_30 Start: 20967, Stop: 21815, Start Num: 111

Candidate Starts for Hyperion_30:

(Start: 111 @20967 has 39 MA's), (137, 21030), (151, 21060), (171, 21123), (194, 21180), (199, 21192), (240, 21273), (273, 21381), (303, 21504), (306, 21522), (352, 21714),

Gene: ImtiyazSitla_21 Start: 16621, Stop: 17358, Start Num: 101

Candidate Starts for ImtiyazSitla_21:

(Start: 101 @16621 has 332 MA's), (157, 16735), (158, 16741), (Start: 163 @16750 has 2 MA's), (164, 16759), (214, 16855), (258, 16927), (260, 16933), (263, 16945), (277, 16996), (301, 17077), (306, 17110), (308, 17116), (329, 17197), (330, 17209), (335, 17233), (342, 17260), (359, 17335), (365, 17350),

Gene: Imvubu_16 Start: 14833, Stop: 15573, Start Num: 101

Candidate Starts for Imvubu_16:

(Start: 101 @14833 has 332 MA's), (Start: 108 @14851 has 20 MA's), (Start: 163 @14953 has 2 MA's), (205, 15046), (211, 15058), (265, 15166), (269, 15175), (272, 15190), (279, 15214), (308, 15328), (311, 15340), (321, 15373), (333, 15433), (350, 15511), (351, 15517), (359, 15550),

Gene: Inchworm_22 Start: 17063, Stop: 17800, Start Num: 101

Candidate Starts for Inchworm_22:

(Start: 101 @17063 has 332 MA's), (157, 17177), (158, 17183), (Start: 163 @17192 has 2 MA's), (164, 17201), (214, 17297), (258, 17369), (260, 17375), (263, 17387), (277, 17438), (301, 17519), (306, 17552), (308, 17558), (329, 17639), (330, 17651), (335, 17675), (342, 17702), (351, 17744), (359, 17777), (365, 17792),

Gene: Indlovu_20 Start: 17400, Stop: 18170, Start Num: 101

Candidate Starts for Indlovu_20:

(Start: 101 @17400 has 332 MA's), (Start: 108 @17418 has 20 MA's), (133, 17463), (158, 17532), (161, 17538), (193, 17622), (211, 17655), (236, 17682), (265, 17763), (271, 17778), (274, 17793), (279, 17811), (296, 17865), (308, 17925), (314, 17946), (342, 18072), (365, 18162),

Gene: Inspectinfecti_26 Start: 20060, Stop: 20854, Start Num: 115

Candidate Starts for Inspectinfecti_26:

(Start: 115 @20060 has 80 MA's), (126, 20081), (150, 20132), (175, 20213), (210, 20273), (220, 20291), (222, 20294), (273, 20435), (279, 20459), (284, 20477), (307, 20576), (330, 20669), (331, 20672), (336, 20699), (347, 20735), (365, 20807), (375, 20834),

Gene: Inverness_22 Start: 17077, Stop: 17814, Start Num: 101

Candidate Starts for Inverness_22:

(Start: 101 @17077 has 332 MA's), (Start: 123 @17119 has 1 MA's), (157, 17191), (158, 17197), (Start: 163 @17206 has 2 MA's), (164, 17215), (214, 17311), (258, 17383), (260, 17389), (263, 17401), (277, 17452), (301, 17533), (306, 17566), (308, 17572), (330, 17665), (335, 17689), (342, 17716), (359, 17791), (365, 17806),

Gene: Iridoclysis_22 Start: 17051, Stop: 17788, Start Num: 101

Candidate Starts for Iridoclysis_22:

(Start: 101 @17051 has 332 MA's), (157, 17165), (158, 17171), (Start: 163 @17180 has 2 MA's), (164, 17189), (214, 17285), (258, 17357), (260, 17363), (263, 17375), (277, 17426), (301, 17507), (306, 17540), (308, 17546), (329, 17627), (330, 17639), (335, 17663), (342, 17690), (351, 17732), (359, 17765), (365, 17780),

Gene: IsaacEli_22 Start: 17081, Stop: 17818, Start Num: 101

Candidate Starts for IsaacEli_22:

(Start: 101 @17081 has 332 MA's), (157, 17195), (158, 17201), (Start: 163 @17210 has 2 MA's), (164, 17219), (214, 17315), (258, 17387), (260, 17393), (263, 17405), (277, 17456), (301, 17537), (306, 17570), (308, 17576), (329, 17657), (330, 17669), (335, 17693), (342, 17720), (351, 17762), (359, 17795), (365, 17810),

Gene: ItsyBitsy1_24 Start: 19121, Stop: 19906, Start Num: 89

Candidate Starts for ItsyBitsy1_24:

(Start: 89 @19121 has 29 MA's), (136, 19232), (153, 19268), (Start: 159 @19289 has 3 MA's), (161, 19292), (175, 19340), (192, 19376), (258, 19478), (265, 19505), (269, 19514), (273, 19532), (279, 19553), (303, 19646), (308, 19670), (314, 19691), (329, 19748), (330, 19760), (331, 19763), (338, 19793), (350, 19844), (363, 19895),

Gene: JAMaL_20 Start: 17843, Stop: 18616, Start Num: 84

Candidate Starts for JAMaL_20:

(Start: 84 @17843 has 1 MA's), (Start: 101 @17873 has 332 MA's), (147, 17951), (158, 17984), (161, 17990), (Start: 163 @17993 has 2 MA's), (175, 18038), (211, 18104), (236, 18131), (248, 18152), (252, 18167), (260, 18191), (265, 18212), (273, 18239), (274, 18242), (283, 18275), (303, 18350), (308, 18374), (330, 18467), (335, 18491), (352, 18563), (359, 18593), (365, 18608),

Gene: JDog_21 Start: 16787, Stop: 17524, Start Num: 101

Candidate Starts for JDog_21:

(Start: 101 @16787 has 332 MA's), (157, 16901), (158, 16907), (Start: 163 @16916 has 2 MA's), (164, 16925), (214, 17021), (258, 17093), (260, 17099), (263, 17111), (277, 17162), (301, 17243), (306, 17276), (308, 17282), (329, 17363), (330, 17375), (335, 17399), (342, 17426), (359, 17501), (365, 17516),

Gene: JKSyngboy_24 Start: 20740, Stop: 21507, Start Num: 115

Candidate Starts for JKSyngboy_24:

(Start: 115 @20740 has 80 MA's), (136, 20788), (161, 20845), (164, 20857), (254, 21034), (273, 21094), (284, 21136), (303, 21214), (306, 21232), (317, 21268), (330, 21328), (347, 21394), (373, 21487),

Gene: Jabberwocky_25 Start: 22080, Stop: 22853, Start Num: 115

Candidate Starts for Jabberwocky_25:

(Start: 115 @22080 has 80 MA's), (136, 22128), (175, 22233), (258, 22380), (284, 22476), (303, 22554), (306, 22572), (318, 22611), (347, 22734), (376, 22836),

Gene: JacAttac_22 Start: 17063, Stop: 17800, Start Num: 101

Candidate Starts for JacAttac_22:

(Start: 101 @17063 has 332 MA's), (157, 17177), (158, 17183), (Start: 163 @17192 has 2 MA's), (164, 17201), (214, 17297), (258, 17369), (260, 17375), (263, 17387), (277, 17438), (301, 17519), (306, 17552), (308, 17558), (329, 17639), (330, 17651), (335, 17675), (342, 17702), (351, 17744), (359, 17777), (365, 17792),

Gene: Jackstina_21 Start: 17572, Stop: 18405, Start Num: 68

Candidate Starts for Jackstina_21:

(Start: 68 @17572 has 8 MA's), (77, 17590), (Start: 101 @17647 has 332 MA's), (Start: 108 @17665 has 20 MA's), (161, 17785), (164, 17797), (197, 17881), (269, 18010), (273, 18028), (290, 18088), (304, 18145), (318, 18199), (335, 18280), (338, 18292), (344, 18310), (360, 18385),

Gene: JaguarMi_20 Start: 17154, Stop: 17897, Start Num: 101

Candidate Starts for JaguarMi_20:

(80, 17112), (Start: 101 @17154 has 332 MA's), (158, 17265), (161, 17271), (175, 17319), (252, 17448), (265, 17493), (273, 17520), (280, 17544), (283, 17556), (293, 17586), (303, 17631), (308, 17655), (329, 17736), (342, 17799), (352, 17844), (356, 17856), (359, 17874), (365, 17889),

Gene: JakeO_21 Start: 16787, Stop: 17524, Start Num: 101

Candidate Starts for JakeO_21:

(Start: 101 @16787 has 332 MA's), (157, 16901), (158, 16907), (Start: 163 @16916 has 2 MA's), (164, 16925), (214, 17021), (258, 17093), (260, 17099), (263, 17111), (277, 17162), (301, 17243), (306, 17276), (308, 17282), (329, 17363), (330, 17375), (335, 17399), (342, 17426), (359, 17501), (365, 17516),

Gene: Jambalaya_23 Start: 15724, Stop: 16494, Start Num: 118

Candidate Starts for Jambalaya_23:

(Start: 118 @15724 has 29 MA's), (136, 15766), (168, 15847), (175, 15871), (215, 15952), (258, 16027), (260, 16033), (265, 16054), (269, 16063), (278, 16102), (320, 16264), (354, 16414), (356, 16420), (376, 16477),

Gene: JangoPhett_22 Start: 17061, Stop: 17798, Start Num: 101

Candidate Starts for JangoPhett_22:

(Start: 101 @17061 has 332 MA's), (157, 17175), (158, 17181), (Start: 163 @17190 has 2 MA's), (164, 17199), (214, 17295), (258, 17367), (260, 17373), (263, 17385), (277, 17436), (301, 17517), (306, 17550), (308, 17556), (329, 17637), (330, 17649), (335, 17673), (342, 17700), (351, 17742), (359, 17775), (365, 17790),

Gene: Jayden_32 Start: 17952, Stop: 18854, Start Num: 79

Candidate Starts for Jayden_32:

(43, 17778), (61, 17895), (Start: 72 @17940 has 29 MA's), (Start: 79 @17952 has 4 MA's), (122, 18042), (168, 18168), (173, 18186), (230, 18321), (273, 18456), (296, 18540), (301, 18561), (303, 18576), (323, 18651), (336, 18723), (341, 18741), (356, 18795), (365, 18822),

Gene: Jefe_31 Start: 17941, Stop: 18855, Start Num: 72

Candidate Starts for Jefe_31:

(Start: 72 @17941 has 29 MA's), (Start: 79 @17953 has 4 MA's), (122, 18043), (173, 18187), (221, 18295), (230, 18322), (233, 18328), (273, 18457), (296, 18541), (323, 18652), (336, 18724), (341,

18742), (356, 18796),

Gene: Jehoshaphat_33 Start: 21489, Stop: 22337, Start Num: 111

Candidate Starts for Jehoshaphat_33:

(Start: 111 @21489 has 39 MA's), (137, 21552), (151, 21582), (171, 21645), (194, 21702), (199, 21714), (240, 21795), (273, 21903), (303, 22026), (306, 22044), (352, 22236),

Gene: Jeon_16 Start: 16549, Stop: 17286, Start Num: 104

Candidate Starts for Jeon_16:

(Start: 104 @16549 has 8 MA's), (Start: 112 @16561 has 1 MA's), (Start: 163 @16684 has 2 MA's), (164, 16693), (185, 16750), (192, 16765), (200, 16780), (235, 16807), (248, 16828), (252, 16843), (258, 16861), (267, 16891), (269, 16897), (272, 16912), (289, 16972), (303, 17026), (304, 17029), (311, 17062), (313, 17068), (314, 17071), (330, 17140), (333, 17149), (335, 17164), (351, 17230), (356, 17245), (359, 17263), (365, 17278),

Gene: Jillium_21 Start: 16787, Stop: 17524, Start Num: 101

Candidate Starts for Jillium_21:

(Start: 101 @16787 has 332 MA's), (157, 16901), (158, 16907), (Start: 163 @16916 has 2 MA's), (164, 16925), (214, 17021), (258, 17093), (260, 17099), (263, 17111), (277, 17162), (301, 17243), (306, 17276), (308, 17282), (329, 17363), (330, 17375), (335, 17399), (342, 17426), (351, 17468), (359, 17501), (365, 17516),

Gene: Jiminy_21 Start: 16625, Stop: 17362, Start Num: 101

Candidate Starts for Jiminy_21:

(Start: 101 @16625 has 332 MA's), (157, 16739), (158, 16745), (Start: 163 @16754 has 2 MA's), (164, 16763), (214, 16859), (258, 16931), (260, 16937), (263, 16949), (277, 17000), (301, 17081), (306, 17114), (308, 17120), (329, 17201), (330, 17213), (335, 17237), (342, 17264), (359, 17339), (365, 17354),

Gene: Jiraiya_22 Start: 16785, Stop: 17522, Start Num: 101

Candidate Starts for Jiraiya_22:

(Start: 101 @16785 has 332 MA's), (157, 16899), (158, 16905), (Start: 163 @16914 has 2 MA's), (164, 16923), (214, 17019), (258, 17091), (260, 17097), (263, 17109), (277, 17160), (301, 17241), (306, 17274), (308, 17280), (329, 17361), (330, 17373), (335, 17397), (342, 17424), (359, 17499), (365, 17514),

Gene: Jolie1_018 Start: 16207, Stop: 16956, Start Num: 100

Candidate Starts for Jolie1_018:

(Start: 71 @16150 has 1 MA's), (Start: 100 @16207 has 1 MA's), (Start: 114 @16234 has 1 MA's), (129, 16267), (157, 16318), (173, 16372), (175, 16378), (203, 16432), (236, 16471), (256, 16522), (267, 16555), (269, 16561), (271, 16567), (272, 16576), (296, 16654), (303, 16690), (330, 16807), (335, 16831), (342, 16858), (359, 16933), (365, 16948),

Gene: Jollipop_31 Start: 18286, Stop: 19200, Start Num: 72

Candidate Starts for Jollipop_31:

(Start: 72 @18286 has 29 MA's), (Start: 79 @18298 has 4 MA's), (122, 18388), (173, 18532), (221, 18640), (230, 18667), (233, 18673), (273, 18802), (296, 18886), (323, 18997), (336, 19069), (341, 19087), (356, 19141),

Gene: Jollymon_51 Start: 27881, Stop: 28627, Start Num: 111

Candidate Starts for Jollymon_51:

(106, 27875), (Start: 111 @27881 has 39 MA's), (117, 27896), (173, 28031), (189, 28064), (191, 28067), (203, 28088), (211, 28097), (351, 28547), (367, 28598),

Gene: Judebell_33 Start: 20998, Stop: 21846, Start Num: 111

Candidate Starts for Judebell_33:

(Start: 111 @20998 has 39 MA's), (137, 21061), (151, 21091), (171, 21154), (194, 21211), (199, 21223), (240, 21304), (273, 21412), (303, 21535), (306, 21553), (352, 21745),

Gene: KLucky39_22 Start: 17069, Stop: 17806, Start Num: 101

Candidate Starts for KLucky39_22:

(Start: 101 @17069 has 332 MA's), (Start: 123 @17111 has 1 MA's), (157, 17183), (158, 17189), (Start: 163 @17198 has 2 MA's), (164, 17207), (214, 17303), (258, 17375), (260, 17381), (263, 17393), (277, 17444), (301, 17525), (306, 17558), (308, 17564), (329, 17645), (330, 17657), (335, 17681), (342, 17708), (351, 17750), (359, 17783), (365, 17798),

Gene: Kahve_21 Start: 16791, Stop: 17528, Start Num: 101

Candidate Starts for Kahve_21:

(Start: 101 @16791 has 332 MA's), (Start: 123 @16833 has 1 MA's), (157, 16905), (158, 16911), (Start: 163 @16920 has 2 MA's), (164, 16929), (214, 17025), (258, 17097), (260, 17103), (263, 17115), (277, 17166), (301, 17247), (306, 17280), (308, 17286), (329, 17367), (330, 17379), (335, 17403), (342, 17430), (359, 17505), (365, 17520),

Gene: KaiHaiDragon_31 Start: 17880, Stop: 18794, Start Num: 72

Candidate Starts for KaiHaiDragon_31:

(Start: 72 @17880 has 29 MA's), (122, 17982), (173, 18126), (221, 18234), (230, 18261), (233, 18267), (273, 18396), (296, 18480), (323, 18591), (336, 18663), (341, 18681), (356, 18735),

Gene: Kailash_22 Start: 17079, Stop: 17816, Start Num: 101

Candidate Starts for Kailash_22:

(Start: 101 @17079 has 332 MA's), (157, 17193), (158, 17199), (Start: 163 @17208 has 2 MA's), (164, 17217), (214, 17313), (258, 17385), (260, 17391), (263, 17403), (277, 17454), (301, 17535), (306, 17568), (308, 17574), (329, 17655), (330, 17667), (335, 17691), (342, 17718), (359, 17793), (365, 17808),

Gene: Kaleb_24 Start: 19247, Stop: 20032, Start Num: 89

Candidate Starts for Kaleb_24:

(Start: 89 @19247 has 29 MA's), (136, 19358), (153, 19394), (Start: 159 @19415 has 3 MA's), (161, 19418), (175, 19466), (192, 19502), (258, 19604), (265, 19631), (269, 19640), (273, 19658), (279, 19679), (303, 19772), (308, 19796), (314, 19817), (329, 19874), (330, 19886), (331, 19889), (338, 19919), (350, 19970), (363, 20021),

Gene: Kamashten_26 Start: 21526, Stop: 22299, Start Num: 115

Candidate Starts for Kamashten_26:

(Start: 115 @21526 has 80 MA's), (136, 21574), (175, 21679), (258, 21826), (272, 21877), (284, 21922), (303, 22000), (306, 22018), (318, 22057), (330, 22114), (347, 22180), (376, 22282),

Gene: Kamiyu_23 Start: 17708, Stop: 18448, Start Num: 108

Candidate Starts for Kamiyu_23:

(Start: 68 @17615 has 8 MA's), (Start: 101 @17690 has 332 MA's), (Start: 108 @17708 has 20 MA's), (161, 17828), (197, 17924), (269, 18053), (273, 18071), (290, 18131), (304, 18188), (318, 18242), (335, 18323), (338, 18335), (344, 18353), (360, 18428),

Gene: KarasumaRum_24 Start: 17919, Stop: 18677, Start Num: 101

Candidate Starts for KarasumaRum_24:

(Start: 101 @17919 has 332 MA's), (161, 18045), (173, 18087), (212, 18168), (236, 18192), (256, 18243), (273, 18300), (283, 18336), (293, 18366), (296, 18375), (308, 18435), (342, 18579), (351, 18621), (365, 18669),

Gene: Katniss_22 Start: 17089, Stop: 17826, Start Num: 101

Candidate Starts for Katniss_22:

(Start: 101 @17089 has 332 MA's), (157, 17203), (158, 17209), (Start: 163 @17218 has 2 MA's), (164, 17227), (214, 17323), (258, 17395), (260, 17401), (263, 17413), (277, 17464), (301, 17545), (306, 17578), (308, 17584), (329, 17665), (330, 17677), (335, 17701), (342, 17728), (351, 17770), (359, 17803), (365, 17818),

Gene: KayaCho_18 Start: 16223, Stop: 16966, Start Num: 100

Candidate Starts for KayaCho_18:

(Start: 100 @16223 has 1 MA's), (Start: 114 @16250 has 1 MA's), (129, 16283), (157, 16334), (173, 16388), (198, 16442), (212, 16457), (256, 16532), (269, 16571), (270, 16574), (272, 16586), (303, 16700), (308, 16724), (333, 16826), (342, 16868), (359, 16943), (365, 16958),

Gene: Keitabear_27 Start: 22888, Stop: 23655, Start Num: 115

Candidate Starts for Keitabear_27:

(Start: 115 @22888 has 80 MA's), (136, 22936), (161, 22993), (175, 23041), (258, 23188), (273, 23242), (284, 23278), (303, 23356), (306, 23374), (318, 23413), (347, 23536), (376, 23638),

Gene: Keitherie_22 Start: 17092, Stop: 17829, Start Num: 101

Candidate Starts for Keitherie_22:

(Start: 101 @17092 has 332 MA's), (157, 17206), (158, 17212), (Start: 163 @17221 has 2 MA's), (164, 17230), (214, 17326), (258, 17398), (260, 17404), (263, 17416), (277, 17467), (301, 17548), (306, 17581), (308, 17587), (329, 17668), (330, 17680), (335, 17704), (342, 17731), (351, 17773), (359, 17806), (365, 17821),

Gene: Kelcole_29 Start: 19637, Stop: 20482, Start Num: 111

Candidate Starts for Kelcole_29:

(Start: 111 @19637 has 39 MA's), (137, 19703), (151, 19733), (194, 19853), (240, 19946), (270, 20039), (296, 20141), (297, 20144), (310, 20207), (352, 20378), (365, 20423),

Gene: Kewpiedoll_26 Start: 20723, Stop: 21496, Start Num: 115

Candidate Starts for Kewpiedoll_26:

(Start: 115 @20723 has 80 MA's), (136, 20771), (161, 20828), (175, 20876), (258, 21023), (284, 21119), (303, 21197), (306, 21215), (318, 21254), (330, 21311), (347, 21377), (376, 21479),

Gene: Kheth_24 Start: 19133, Stop: 19918, Start Num: 89

Candidate Starts for Kheth_24:

(Start: 89 @19133 has 29 MA's), (136, 19244), (153, 19280), (Start: 159 @19301 has 3 MA's), (161, 19304), (175, 19352), (192, 19388), (258, 19490), (265, 19517), (269, 19526), (273, 19544), (279, 19565), (303, 19658), (308, 19682), (314, 19703), (329, 19760), (330, 19772), (331, 19775), (338, 19805), (350, 19856), (363, 19907),

Gene: Kikipoo_22 Start: 17081, Stop: 17818, Start Num: 101

Candidate Starts for Kikipoo_22:

(Start: 101 @17081 has 332 MA's), (157, 17195), (158, 17201), (Start: 163 @17210 has 2 MA's), (164, 17219), (214, 17315), (258, 17387), (260, 17393), (263, 17405), (277, 17456), (301, 17537), (306, 17570), (308, 17576), (329, 17657), (330, 17669), (335, 17693), (342, 17720), (351, 17762), (359, 17795), (365, 17810),

Gene: Kimbrough_22 Start: 16783, Stop: 17520, Start Num: 101

Candidate Starts for Kimbrough_22:

(Start: 101 @16783 has 332 MA's), (157, 16897), (158, 16903), (Start: 163 @16912 has 2 MA's), (164, 16921), (214, 17017), (258, 17089), (260, 17095), (263, 17107), (277, 17158), (301, 17239), (306, 17272), (308, 17278), (329, 17359), (330, 17371), (335, 17395), (342, 17422), (351, 17464), (359, 17497), (365, 17512),

Gene: KimmyK_25 Start: 16659, Stop: 17429, Start Num: 118

Candidate Starts for KimmyK_25:

(Start: 118 @16659 has 29 MA's), (136, 16701), (168, 16782), (215, 16887), (258, 16962), (260, 16968), (265, 16989), (269, 16998), (278, 17037), (320, 17199), (354, 17349), (356, 17355), (376, 17412),

Gene: KingVeVeVe_22 Start: 17060, Stop: 17797, Start Num: 101

Candidate Starts for KingVeVeVe_22:

(Start: 101 @17060 has 332 MA's), (157, 17174), (158, 17180), (Start: 163 @17189 has 2 MA's), (164, 17198), (214, 17294), (258, 17366), (260, 17372), (263, 17384), (277, 17435), (301, 17516), (306, 17549), (308, 17555), (329, 17636), (330, 17648), (335, 17672), (342, 17699), (359, 17774), (365, 17789),

Gene: KingstonB_51 Start: 27374, Stop: 28105, Start Num: 117

Candidate Starts for KingstonB_51:

(Start: 101 @27335 has 332 MA's), (106, 27353), (Start: 111 @27359 has 39 MA's), (117, 27374), (173, 27509), (189, 27542), (191, 27545), (203, 27566), (211, 27575), (351, 28025), (367, 28076),

Gene: Kithara_29 Start: 18897, Stop: 19754, Start Num: 113

Candidate Starts for Kithara_29:

(113, 18897), (173, 19044), (204, 19098), (283, 19275), (285, 19281), (291, 19299), (296, 19320), (303, 19356), (330, 19473), (337, 19506), (338, 19509), (341, 19521), (355, 19572), (365, 19608), (374, 19635),

Gene: KlimbOn_22 Start: 17069, Stop: 17806, Start Num: 101

Candidate Starts for KlimbOn_22:

(Start: 101 @17069 has 332 MA's), (Start: 123 @17111 has 1 MA's), (157, 17183), (158, 17189), (Start: 163 @17198 has 2 MA's), (164, 17207), (214, 17303), (258, 17375), (260, 17381), (263, 17393), (277, 17444), (301, 17525), (306, 17558), (308, 17564), (329, 17645), (330, 17657), (335, 17681), (342, 17708), (351, 17750), (359, 17783), (365, 17798),

Gene: Kloppinator_22 Start: 17089, Stop: 17826, Start Num: 101

Candidate Starts for Kloppinator_22:

(Start: 101 @17089 has 332 MA's), (157, 17203), (158, 17209), (Start: 163 @17218 has 2 MA's), (164, 17227), (214, 17323), (258, 17395), (260, 17401), (263, 17413), (277, 17464), (301, 17545), (306, 17578), (308, 17584), (329, 17665), (330, 17677), (335, 17701), (342, 17728), (351, 17770), (359, 17803), (365, 17818),

Gene: Knocker_24 Start: 20201, Stop: 20941, Start Num: 101

Candidate Starts for Knocker_24:

(Start: 101 @20201 has 332 MA's), (Start: 123 @20243 has 1 MA's), (158, 20312), (161, 20318), (Start: 163 @20321 has 2 MA's), (175, 20366), (239, 20459), (265, 20534), (277, 20576), (279, 20582), (308, 20696), (311, 20708), (314, 20717), (321, 20741), (328, 20765), (330, 20792), (333, 20801), (365, 20933),

Gene: Kowalski_30 Start: 18008, Stop: 18910, Start Num: 79

Candidate Starts for Kowalski_30:

(Start: 72 @17996 has 29 MA's), (Start: 79 @18008 has 4 MA's), (122, 18098), (173, 18242), (221, 18350), (230, 18377), (233, 18383), (273, 18512), (296, 18596), (323, 18707), (336, 18779), (341, 18797), (356, 18851),

Gene: Kozie_27 Start: 17670, Stop: 18578, Start Num: 83

Candidate Starts for Kozie_27:

(20, 17322), (41, 17505), (61, 17631), (Start: 83 @17670 has 7 MA's), (91, 17697), (Start: 93 @17700 has 2 MA's), (95, 17703), (175, 17904), (230, 18033), (269, 18150), (274, 18171), (279, 18192), (285, 18213), (296, 18252), (306, 18306), (312, 18327), (353, 18498), (361, 18528),

Gene: Kronus_22 Start: 18304, Stop: 19062, Start Num: 101

Candidate Starts for Kronus_22:

(Start: 68 @18229 has 8 MA's), (77, 18247), (Start: 101 @18304 has 332 MA's), (Start: 108 @18322 has 20 MA's), (161, 18442), (164, 18454), (197, 18538), (269, 18667), (273, 18685), (290, 18745), (304, 18802), (318, 18856), (335, 18937), (338, 18949), (344, 18967), (360, 19042),

Gene: Kroos_27 Start: 20924, Stop: 21691, Start Num: 115

Candidate Starts for Kroos_27:

(Start: 115 @20924 has 80 MA's), (136, 20972), (161, 21029), (164, 21041), (254, 21218), (273, 21278), (284, 21320), (303, 21398), (306, 21416), (317, 21452), (330, 21512), (347, 21578), (373, 21671),

Gene: Kwadwo_21 Start: 16773, Stop: 17510, Start Num: 101

Candidate Starts for Kwadwo_21:

(Start: 101 @16773 has 332 MA's), (157, 16887), (158, 16893), (Start: 163 @16902 has 2 MA's), (164, 16911), (214, 17007), (258, 17079), (260, 17085), (263, 17097), (277, 17148), (301, 17229), (306, 17262), (308, 17268), (329, 17349), (330, 17361), (335, 17385), (342, 17412), (351, 17454), (359, 17487), (365, 17502),

Gene: Kwekel_24 Start: 17921, Stop: 18718, Start Num: 115

Candidate Starts for Kwekel_24:

(Start: 115 @17921 has 80 MA's), (144, 17981), (168, 18050), (175, 18074), (222, 18167), (284, 18350), (296, 18392), (302, 18425), (320, 18491), (322, 18500), (347, 18608), (365, 18680), (374, 18698),

Gene: Kwksand96_21 Start: 16635, Stop: 17372, Start Num: 101

Candidate Starts for Kwksand96_21:

(Start: 101 @16635 has 332 MA's), (157, 16749), (158, 16755), (Start: 163 @16764 has 2 MA's), (164, 16773), (214, 16869), (258, 16941), (260, 16947), (263, 16959), (277, 17010), (301, 17091), (306, 17124), (308, 17130), (329, 17211), (330, 17223), (335, 17247), (342, 17274), (359, 17349), (365, 17364),

Gene: Kwobi_27 Start: 20910, Stop: 21677, Start Num: 115

Candidate Starts for Kwobi_27:

(Start: 115 @20910 has 80 MA's), (136, 20958), (161, 21015), (164, 21027), (254, 21204), (273, 21264), (284, 21306), (303, 21384), (306, 21402), (317, 21438), (330, 21498), (347, 21564),

Gene: Kyva_33 Start: 21219, Stop: 22067, Start Num: 111

Candidate Starts for Kyva_33:

(Start: 111 @21219 has 39 MA's), (137, 21282), (151, 21312), (171, 21375), (194, 21432), (199, 21444), (240, 21525), (273, 21633), (303, 21756), (306, 21774), (352, 21966),

Gene: Labeouficaum_21 Start: 16631, Stop: 17368, Start Num: 101

Candidate Starts for Labeouficaum_21:

(Start: 101 @16631 has 332 MA's), (Start: 123 @16673 has 1 MA's), (157, 16745), (158, 16751), (Start: 163 @16760 has 2 MA's), (164, 16769), (214, 16865), (258, 16937), (260, 16943), (263, 16955), (277, 17006), (301, 17087), (306, 17120), (308, 17126), (329, 17207), (330, 17219), (335, 17243), (342, 17270), (359, 17345), (365, 17360),

Gene: Lambano_19 Start: 16591, Stop: 17403, Start Num: 69

Candidate Starts for Lambano_19:

(69, 16591), (78, 16612), (85, 16627), (Start: 101 @16660 has 332 MA's), (158, 16771), (161, 16777), (Start: 163 @16780 has 2 MA's), (175, 16825), (252, 16954), (265, 16999), (273, 17026), (280, 17050), (283, 17062), (293, 17092), (303, 17137), (308, 17161), (330, 17254), (342, 17305), (352, 17350), (356, 17362), (359, 17380), (365, 17395),

Gene: Lars_24 Start: 19250, Stop: 20035, Start Num: 89

Candidate Starts for Lars_24:

(Start: 89 @19250 has 29 MA's), (136, 19361), (153, 19397), (Start: 159 @19418 has 3 MA's), (161, 19421), (175, 19469), (192, 19505), (258, 19607), (265, 19634), (269, 19643), (273, 19661), (279, 19682), (303, 19775), (308, 19799), (314, 19820), (329, 19877), (330, 19889), (331, 19892), (338, 19922), (350, 19973), (363, 20024),

Gene: LasagnaCat_22 Start: 17075, Stop: 17812, Start Num: 101

Candidate Starts for LasagnaCat_22:

(Start: 101 @17075 has 332 MA's), (157, 17189), (158, 17195), (Start: 163 @17204 has 2 MA's), (164, 17213), (214, 17309), (258, 17381), (260, 17387), (263, 17399), (277, 17450), (301, 17531), (306, 17564), (308, 17570), (329, 17651), (330, 17663), (335, 17687), (342, 17714), (351, 17756), (359, 17789), (365, 17804),

Gene: Lasso_22 Start: 17048, Stop: 17785, Start Num: 101

Candidate Starts for Lasso_22:

(Start: 101 @17048 has 332 MA's), (157, 17162), (158, 17168), (Start: 163 @17177 has 2 MA's), (164, 17186), (214, 17282), (258, 17354), (260, 17360), (263, 17372), (277, 17423), (301, 17504), (306, 17537), (308, 17543), (329, 17624), (330, 17636), (335, 17660), (342, 17687), (351, 17729), (359, 17762), (365, 17777),

Gene: Laurie_24 Start: 19124, Stop: 19909, Start Num: 89

Candidate Starts for Laurie_24:

(Start: 89 @19124 has 29 MA's), (136, 19235), (153, 19271), (Start: 159 @19292 has 3 MA's), (161, 19295), (175, 19343), (192, 19379), (258, 19481), (265, 19508), (269, 19517), (273, 19535), (279, 19556), (303, 19649), (308, 19673), (314, 19694), (329, 19751), (330, 19763), (331, 19766), (338, 19796), (350, 19847), (363, 19898),

Gene: Leaf_68 Start: 37486, Stop: 38313, Start Num: 115

Candidate Starts for Leaf_68:

(1, 36382), (2, 36514), (4, 36622), (5, 36784), (6, 36832), (13, 36922), (15, 36931), (22, 37045), (25, 37075), (48, 37276), (Start: 115 @37486 has 80 MA's), (140, 37546), (157, 37588), (173, 37642), (175, 37648), (227, 37753), (230, 37759), (233, 37765), (243, 37786), (269, 37876), (273, 37894), (285, 37939), (291, 37957), (303, 38014), (306, 38032), (308, 38038), (330, 38131), (334, 38143), (339, 38170), (353, 38230), (356, 38239), (365, 38266), (370, 38281), (378, 38293),

Gene: LeeLot_22 Start: 17073, Stop: 17810, Start Num: 101

Candidate Starts for LeeLot_22:

(Start: 101 @17073 has 332 MA's), (157, 17187), (158, 17193), (Start: 163 @17202 has 2 MA's), (164, 17211), (214, 17307), (258, 17379), (260, 17385), (263, 17397), (277, 17448), (301, 17529), (306, 17562), (308, 17568), (329, 17649), (330, 17661), (335, 17685), (342, 17712), (351, 17754), (359, 17787), (365, 17802),

Gene: Lego3393_22 Start: 17085, Stop: 17822, Start Num: 101

Candidate Starts for Lego3393_22:

(Start: 101 @17085 has 332 MA's), (Start: 123 @17127 has 1 MA's), (157, 17199), (158, 17205), (Start: 163 @17214 has 2 MA's), (164, 17223), (214, 17319), (258, 17391), (260, 17397), (263, 17409), (277, 17460), (301, 17541), (306, 17574), (308, 17580), (329, 17661), (330, 17673), (335, 17697), (342, 17724), (351, 17766), (359, 17799), (365, 17814),

Gene: Legolas_21 Start: 16789, Stop: 17526, Start Num: 101

Candidate Starts for Legolas_21:

(Start: 101 @16789 has 332 MA's), (157, 16903), (158, 16909), (Start: 163 @16918 has 2 MA's), (164, 16927), (214, 17023), (258, 17095), (260, 17101), (263, 17113), (277, 17164), (301, 17245), (306, 17278), (308, 17284), (329, 17365), (330, 17377), (335, 17401), (342, 17428), (351, 17470), (359, 17503), (365, 17518),

Gene: LeiMonet_22 Start: 16780, Stop: 17517, Start Num: 101

Candidate Starts for LeiMonet_22:

(Start: 101 @16780 has 332 MA's), (Start: 123 @16822 has 1 MA's), (157, 16894), (158, 16900), (Start: 163 @16909 has 2 MA's), (164, 16918), (214, 17014), (258, 17086), (260, 17092), (263, 17104), (277, 17155), (301, 17236), (306, 17269), (308, 17275), (329, 17356), (330, 17368), (335, 17392), (342, 17419), (359, 17494), (365, 17509),

Gene: LemonSlice_22 Start: 16780, Stop: 17517, Start Num: 101

Candidate Starts for LemonSlice_22:

(Start: 101 @16780 has 332 MA's), (Start: 123 @16822 has 1 MA's), (157, 16894), (158, 16900), (Start: 163 @16909 has 2 MA's), (164, 16918), (214, 17014), (258, 17086), (260, 17092), (263, 17104), (277, 17155), (301, 17236), (306, 17269), (308, 17275), (329, 17356), (330, 17368), (335, 17392), (342, 17419), (351, 17461), (359, 17494), (365, 17509),

Gene: Lennon_27 Start: 22681, Stop: 23454, Start Num: 115

Candidate Starts for Lennon_27:

(Start: 115 @22681 has 80 MA's), (136, 22729), (161, 22786), (175, 22834), (258, 22981), (272, 23032), (284, 23077), (303, 23155), (306, 23173), (318, 23212), (347, 23335), (376, 23437),

Gene: Leonard_25 Start: 19637, Stop: 20428, Start Num: 115

Candidate Starts for Leonard_25:

(Start: 115 @19637 has 80 MA's), (126, 19658), (150, 19709), (175, 19790), (210, 19850), (220, 19868), (222, 19871), (273, 20012), (279, 20036), (284, 20054), (307, 20153), (330, 20246), (331, 20249), (336, 20276), (347, 20312), (370, 20399), (375, 20411),

Gene: Lephleur_24 Start: 19130, Stop: 19915, Start Num: 89

Candidate Starts for Lephleur_24:

(Start: 89 @19130 has 29 MA's), (136, 19241), (153, 19277), (Start: 159 @19298 has 3 MA's), (161, 19301), (175, 19349), (192, 19385), (258, 19487), (265, 19514), (269, 19523), (273, 19541), (279, 19562), (303, 19655), (308, 19679), (314, 19700), (329, 19757), (330, 19769), (331, 19772), (338, 19802), (350, 19853), (363, 19904),

Gene: LestyG_23 Start: 17650, Stop: 18483, Start Num: 68

Candidate Starts for LestyG_23:

(Start: 68 @17650 has 8 MA's), (77, 17668), (Start: 101 @17725 has 332 MA's), (Start: 108 @17743 has 20 MA's), (161, 17863), (164, 17875), (197, 17959), (269, 18088), (273, 18106), (290, 18166), (304, 18223), (318, 18277), (335, 18358), (338, 18370), (344, 18388), (360, 18463),

Gene: Ligma_19 Start: 15599, Stop: 16345, Start Num: 101

Candidate Starts for Ligma_19:

(Start: 86 @15569 has 3 MA's), (Start: 101 @15599 has 332 MA's), (Start: 108 @15617 has 20 MA's), (Start: 118 @15632 has 29 MA's), (196, 15818), (269, 15953), (272, 15968), (283, 16007), (330, 16196), (333, 16205), (335, 16220), (338, 16232), (351, 16289), (356, 16304), (365, 16337),

Gene: LilHam_24 Start: 19504, Stop: 20271, Start Num: 115

Candidate Starts for LilHam_24:

(Start: 115 @19504 has 80 MA's), (136, 19552), (161, 19609), (164, 19621), (254, 19798), (273, 19858), (284, 19900), (303, 19978), (306, 19996), (317, 20032), (330, 20092), (347, 20158),

Gene: LilMcDreamy_19 Start: 17763, Stop: 18494, Start Num: 101

Candidate Starts for LilMcDreamy_19:

(Start: 101 @17763 has 332 MA's), (138, 17832), (180, 17934), (211, 17982), (258, 18063), (269, 18099), (272, 18114), (274, 18120), (296, 18192), (303, 18228), (308, 18252), (322, 18300), (329, 18333), (330, 18345), (342, 18396), (351, 18438), (359, 18471), (365, 18486),

Gene: Lilbeanie_22 Start: 14957, Stop: 15703, Start Num: 115

Candidate Starts for Lilbeanie_22:

(Start: 115 @14957 has 80 MA's), (134, 14996), (161, 15062), (168, 15086), (177, 15110), (228, 15191), (268, 15284), (273, 15299), (279, 15323), (304, 15422), (325, 15500), (335, 15557), (347, 15599), (367, 15665), (377, 15689),

Gene: LittleFortune_32 Start: 18246, Stop: 19160, Start Num: 72

Candidate Starts for LittleFortune_32:

(Start: 72 @18246 has 29 MA's), (Start: 79 @18258 has 4 MA's), (122, 18348), (173, 18492), (221, 18600), (230, 18627), (233, 18633), (273, 18762), (296, 18846), (323, 18957), (336, 19029), (341, 19047), (356, 19101),

Gene: LittleMunchkin_21 Start: 18438, Stop: 19184, Start Num: 101

Candidate Starts for LittleMunchkin_21:

(69, 18384), (Start: 101 @18438 has 332 MA's), (Start: 108 @18456 has 20 MA's), (148, 18540), (Start: 163 @18579 has 2 MA's), (191, 18648), (196, 18657), (283, 18846), (333, 19044), (335, 19059), (338, 19071), (351, 19128), (363, 19173), (365, 19176),

Gene: LizLemon_24 Start: 19247, Stop: 20032, Start Num: 89

Candidate Starts for LizLemon_24:

(Start: 89 @19247 has 29 MA's), (136, 19358), (153, 19394), (Start: 159 @19415 has 3 MA's), (161, 19418), (175, 19466), (192, 19502), (258, 19604), (265, 19631), (269, 19640), (273, 19658), (279, 19679), (303, 19772), (308, 19796), (314, 19817), (329, 19874), (330, 19886), (331, 19889), (338, 19919), (350, 19970), (363, 20021),

Gene: Llemily_31 Start: 20265, Stop: 21113, Start Num: 111

Candidate Starts for Llemily_31:

(Start: 111 @20265 has 39 MA's), (137, 20328), (151, 20358), (171, 20421), (194, 20478), (199, 20490), (240, 20571), (273, 20679), (303, 20802), (306, 20820), (352, 21012),

Gene: Lolalove_20 Start: 17689, Stop: 18432, Start Num: 101

Candidate Starts for Lolalove_20:

(Start: 101 @17689 has 332 MA's), (158, 17800), (161, 17806), (175, 17854), (252, 17983), (258, 18001), (265, 18028), (273, 18055), (280, 18079), (283, 18091), (293, 18121), (303, 18166), (308, 18190), (342, 18334), (352, 18379), (356, 18391), (359, 18409), (365, 18424),

Gene: Lonelysoil_30 Start: 20510, Stop: 21358, Start Num: 111

Candidate Starts for Lonelysoil_30:

(Start: 111 @20510 has 39 MA's), (137, 20573), (151, 20603), (171, 20666), (194, 20723), (199, 20735), (240, 20816), (273, 20924), (303, 21047), (306, 21065), (352, 21257),

Gene: Longacauda_21 Start: 16775, Stop: 17512, Start Num: 101

Candidate Starts for Longacauda_21:

(Start: 101 @16775 has 332 MA's), (157, 16889), (158, 16895), (Start: 163 @16904 has 2 MA's), (164, 16913), (214, 17009), (258, 17081), (260, 17087), (263, 17099), (277, 17150), (301, 17231), (306, 17264), (308, 17270), (329, 17351), (330, 17363), (335, 17387), (342, 17414), (359, 17489), (365, 17504),

Gene: Lopsy_21 Start: 16631, Stop: 17368, Start Num: 101

Candidate Starts for Lopsy_21:

(Start: 101 @16631 has 332 MA's), (157, 16745), (158, 16751), (Start: 163 @16760 has 2 MA's), (164, 16769), (214, 16865), (258, 16937), (260, 16943), (263, 16955), (277, 17006), (301, 17087), (306, 17120), (308, 17126), (330, 17219), (335, 17243), (342, 17270), (351, 17312), (359, 17345), (365, 17360),

Gene: LostAndPhound_21 Start: 16782, Stop: 17519, Start Num: 101

Candidate Starts for LostAndPhound_21:

(Start: 101 @16782 has 332 MA's), (Start: 123 @16824 has 1 MA's), (157, 16896), (158, 16902), (Start: 163 @16911 has 2 MA's), (164, 16920), (214, 17016), (258, 17088), (260, 17094), (263, 17106), (277, 17157), (301, 17238), (306, 17271), (308, 17277), (329, 17358), (330, 17370), (335, 17394), (342, 17421), (359, 17496), (365, 17511),

Gene: Love_30 Start: 22448, Stop: 23221, Start Num: 115

Candidate Starts for Love_30:

(Start: 115 @22448 has 80 MA's), (136, 22496), (161, 22553), (175, 22601), (258, 22748), (272, 22799), (284, 22844), (303, 22922), (306, 22940), (318, 22979), (330, 23036), (347, 23102), (376, 23204),

Gene: LuckyMarjie_21 Start: 16795, Stop: 17532, Start Num: 101

Candidate Starts for LuckyMarjie_21:

(Start: 101 @16795 has 332 MA's), (157, 16909), (158, 16915), (Start: 163 @16924 has 2 MA's), (164, 16933), (214, 17029), (258, 17101), (260, 17107), (263, 17119), (277, 17170), (301, 17251), (306, 17284), (308, 17290), (329, 17371), (330, 17383), (335, 17407), (342, 17434), (351, 17476), (359, 17509), (365, 17524),

Gene: Lulumae_21 Start: 16773, Stop: 17510, Start Num: 101

Candidate Starts for Lulumae_21:

(Start: 101 @16773 has 332 MA's), (157, 16887), (158, 16893), (Start: 163 @16902 has 2 MA's), (164, 16911), (214, 17007), (258, 17079), (260, 17085), (263, 17097), (277, 17148), (301, 17229), (306, 17262), (308, 17268), (329, 17349), (330, 17361), (335, 17385), (342, 17412), (351, 17454), (359, 17487), (365, 17502),

Gene: Lulwa_22 Start: 17060, Stop: 17797, Start Num: 101

Candidate Starts for Lulwa_22:

(Start: 101 @17060 has 332 MA's), (157, 17174), (158, 17180), (Start: 163 @17189 has 2 MA's), (164, 17198), (214, 17294), (258, 17366), (260, 17372), (263, 17384), (277, 17435), (301, 17516), (306, 17549), (308, 17555), (329, 17636), (330, 17648), (335, 17672), (342, 17699), (351, 17741), (359, 17774), (365, 17789),

Gene: Lumine_21 Start: 16769, Stop: 17506, Start Num: 101

Candidate Starts for Lumine_21:

(Start: 101 @16769 has 332 MA's), (157, 16883), (158, 16889), (Start: 163 @16898 has 2 MA's), (164, 16907), (214, 17003), (258, 17075), (260, 17081), (263, 17093), (277, 17144), (301, 17225), (306, 17258), (308, 17264), (329, 17345), (330, 17357), (335, 17381), (342, 17408), (351, 17450), (359, 17483), (365, 17498),

Gene: MRabcd_21 Start: 16774, Stop: 17511, Start Num: 101

Candidate Starts for MRabcd_21:

(Start: 101 @16774 has 332 MA's), (157, 16888), (158, 16894), (Start: 163 @16903 has 2 MA's), (164, 16912), (214, 17008), (258, 17080), (260, 17086), (263, 17098), (277, 17149), (301, 17230), (306, 17263), (308, 17269), (329, 17350), (330, 17362), (335, 17386), (342, 17413), (351, 17455), (359, 17488), (365, 17503),

Gene: Mag7_21 Start: 16629, Stop: 17366, Start Num: 101

Candidate Starts for Mag7_21:

(Start: 101 @16629 has 332 MA's), (157, 16743), (158, 16749), (Start: 163 @16758 has 2 MA's), (164, 16767), (214, 16863), (258, 16935), (260, 16941), (263, 16953), (277, 17004), (301, 17085), (306, 17118), (308, 17124), (329, 17205), (330, 17217), (335, 17241), (342, 17268), (359, 17343), (365, 17358),

Gene: Magic8_22 Start: 17067, Stop: 17804, Start Num: 101

Candidate Starts for Magic8_22:

(Start: 101 @17067 has 332 MA's), (157, 17181), (158, 17187), (Start: 163 @17196 has 2 MA's), (164, 17205), (214, 17301), (258, 17373), (260, 17379), (263, 17391), (277, 17442), (301, 17523), (306, 17556), (308, 17562), (329, 17643), (330, 17655), (335, 17679), (342, 17706), (359, 17781), (365, 17796),

Gene: Magpie_19 Start: 17512, Stop: 18255, Start Num: 101

Candidate Starts for Magpie_19:

(80, 17470), (Start: 101 @17512 has 332 MA's), (158, 17623), (161, 17629), (175, 17677), (252, 17806), (265, 17851), (273, 17878), (280, 17902), (283, 17914), (293, 17944), (303, 17989), (308, 18013), (342, 18157), (352, 18202), (356, 18214), (359, 18232), (365, 18247),

Gene: Maih_17 Start: 17739, Stop: 18599, Start Num: 115

Candidate Starts for Maih_17:

(63, 17607), (Start: 115 @17739 has 80 MA's), (157, 17847), (226, 17994), (230, 18003), (238, 18018), (269, 18117), (271, 18123), (273, 18135), (274, 18138), (296, 18243), (299, 18252), (303, 18279), (310, 18312), (312, 18318), (335, 18423), (339, 18438), (344, 18453), (350, 18486), (356, 18507), (362, 18534), (365, 18540),

Gene: MakoManhole_21 Start: 16994, Stop: 17737, Start Num: 88

Candidate Starts for MakoManhole_21:

(Start: 88 @16994 has 6 MA's), (Start: 101 @17018 has 332 MA's), (Start: 108 @17036 has 20 MA's), (150, 17093), (157, 17114), (158, 17120), (171, 17159), (211, 17228), (214, 17234), (269, 17345), (305, 17483), (351, 17681), (356, 17696), (359, 17714),

Gene: Mana_21 Start: 16776, Stop: 17513, Start Num: 101

Candidate Starts for Mana_21:

(Start: 101 @16776 has 332 MA's), (157, 16890), (158, 16896), (Start: 163 @16905 has 2 MA's), (164, 16914), (214, 17010), (258, 17082), (260, 17088), (263, 17100), (277, 17151), (301, 17232), (306, 17265), (308, 17271), (329, 17352), (330, 17364), (335, 17388), (342, 17415), (359, 17490), (365, 17505),

Gene: Manad_21 Start: 16626, Stop: 17363, Start Num: 101

Candidate Starts for Manad_21:

(Start: 101 @16626 has 332 MA's), (Start: 123 @16668 has 1 MA's), (157, 16740), (158, 16746), (Start: 163 @16755 has 2 MA's), (164, 16764), (214, 16860), (258, 16932), (260, 16938), (263, 16950), (277, 17001), (301, 17082), (306, 17115), (308, 17121), (329, 17202), (330, 17214), (335, 17238), (342, 17265), (359, 17340), (365, 17355),

Gene: Mao1_18 Start: 15069, Stop: 15827, Start Num: 97

Candidate Starts for Mao1_18:

(Start: 97 @15069 has 4 MA's), (102, 15078), (Start: 123 @15120 has 1 MA's), (127, 15129), (160, 15213), (164, 15225), (171, 15246), (200, 15312), (252, 15378), (256, 15393), (258, 15396), (263, 15414), (267, 15426), (275, 15459), (317, 15615), (347, 15747), (353, 15777), (356, 15786), (365, 15819),

Gene: Marcie_35 Start: 20293, Stop: 21138, Start Num: 111

Candidate Starts for Marcie_35:

(Start: 111 @20293 has 39 MA's), (137, 20359), (150, 20386), (151, 20389), (194, 20509), (213, 20551), (231, 20584), (240, 20602), (270, 20695), (296, 20797), (303, 20830), (310, 20863), (340, 20986), (352, 21034), (365, 21079),

Gene: Margaery_26 Start: 17314, Stop: 18219, Start Num: 83

Candidate Starts for Margaery_26:

(Start: 83 @17314 has 7 MA's), (91, 17341), (Start: 93 @17344 has 2 MA's), (132, 17425), (168, 17527), (230, 17680), (248, 17722), (265, 17788), (269, 17797), (274, 17818), (279, 17839), (285, 17860), (296, 17899), (308, 17959), (312, 17974), (353, 18145), (365, 18184), (369, 18193), (370, 18199),

Gene: Mariokart_19 Start: 15510, Stop: 16238, Start Num: 108

Candidate Starts for Mariokart_19:

(8, 14904), (Start: 101 @15492 has 332 MA's), (Start: 108 @15510 has 20 MA's), (Start: 118 @15525 has 29 MA's), (147, 15591), (156, 15612), (171, 15663), (214, 15735), (263, 15828), (269, 15846), (272, 15861), (283, 15900), (330, 16089), (333, 16098), (338, 16125), (351, 16182), (359, 16215), (363, 16227),

Gene: Marley1013_23 Start: 18428, Stop: 19261, Start Num: 68

Candidate Starts for Marley1013_23:

(Start: 68 @18428 has 8 MA's), (77, 18446), (Start: 101 @18503 has 332 MA's), (Start: 108 @18521 has 20 MA's), (161, 18641), (164, 18653), (197, 18737), (269, 18866), (273, 18884), (290, 18944), (304, 19001), (318, 19055), (335, 19136), (338, 19148), (344, 19166), (360, 19241),

Gene: Maru_21 Start: 16775, Stop: 17512, Start Num: 101

Candidate Starts for Maru_21:

(Start: 101 @16775 has 332 MA's), (Start: 123 @16817 has 1 MA's), (157, 16889), (158, 16895), (Start: 163 @16904 has 2 MA's), (164, 16913), (214, 17009), (258, 17081), (260, 17087), (263, 17099), (277, 17150), (301, 17231), (306, 17264), (308, 17270), (329, 17351), (330, 17363), (335, 17387), (342, 17414), (359, 17489), (365, 17504),

Gene: Mashley_29 Start: 20782, Stop: 21630, Start Num: 111

Candidate Starts for Mashley_29:

(Start: 111 @20782 has 39 MA's), (137, 20845), (151, 20875), (171, 20938), (194, 20995), (199, 21007), (240, 21088), (273, 21196), (303, 21319), (306, 21337), (352, 21529),

Gene: Mask_19 Start: 15070, Stop: 15828, Start Num: 97

Candidate Starts for Mask_19:

(Start: 97 @15070 has 4 MA's), (102, 15079), (Start: 123 @15121 has 1 MA's), (127, 15130), (160, 15214), (164, 15226), (171, 15247), (200, 15313), (252, 15379), (256, 15394), (258, 15397), (263, 15415), (267, 15427), (275, 15460), (317, 15616), (347, 15748), (353, 15778), (356, 15787), (365, 15820),

Gene: Maskar_21 Start: 16621, Stop: 17358, Start Num: 101

Candidate Starts for Maskar_21:

(Start: 101 @16621 has 332 MA's), (157, 16735), (158, 16741), (Start: 163 @16750 has 2 MA's), (164, 16759), (214, 16855), (258, 16927), (260, 16933), (263, 16945), (277, 16996), (301, 17077), (306, 17110), (308, 17116), (329, 17197), (330, 17209), (335, 17233), (342, 17260), (359, 17335), (365, 17350),

Gene: MasterPo_24 Start: 19130, Stop: 19915, Start Num: 89

Candidate Starts for MasterPo_24:

(Start: 89 @19130 has 29 MA's), (136, 19241), (153, 19277), (Start: 159 @19298 has 3 MA's), (161, 19301), (175, 19349), (192, 19385), (258, 19487), (265, 19514), (269, 19523), (273, 19541), (279, 19562), (303, 19655), (308, 19679), (314, 19700), (329, 19757), (330, 19769), (331, 19772), (338, 19802), (350, 19853), (363, 19904),

Gene: Matalotodo_22 Start: 17068, Stop: 17805, Start Num: 101

Candidate Starts for Matalotodo_22:

(Start: 101 @17068 has 332 MA's), (157, 17182), (158, 17188), (Start: 163 @17197 has 2 MA's), (164, 17206), (214, 17302), (258, 17374), (260, 17380), (263, 17392), (277, 17443), (301, 17524), (306, 17557), (308, 17563), (329, 17644), (330, 17656), (335, 17680), (342, 17707), (351, 17749), (359, 17782), (365, 17797),

Gene: Matzah_27 Start: 17344, Stop: 18249, Start Num: 83

Candidate Starts for Matzah_27:

(61, 17296), (Start: 83 @17344 has 7 MA's), (91, 17371), (Start: 93 @17374 has 2 MA's), (168, 17557), (240, 17731), (263, 17809), (269, 17827), (271, 17833), (274, 17848), (279, 17869), (285, 17890), (303, 17965), (308, 17989), (312, 18004), (353, 18175), (365, 18214),

Gene: McKinley_29 Start: 22480, Stop: 23253, Start Num: 115

Candidate Starts for McKinley_29:

(Start: 115 @22480 has 80 MA's), (136, 22528), (161, 22585), (175, 22633), (232, 22723), (258, 22780), (272, 22831), (284, 22876), (303, 22954), (306, 22972), (318, 23011), (330, 23068), (347, 23134), (376, 23236),

Gene: Mcshane_21 Start: 16771, Stop: 17508, Start Num: 101

Candidate Starts for Mcshane_21:

(Start: 101 @16771 has 332 MA's), (157, 16885), (158, 16891), (Start: 163 @16900 has 2 MA's), (164, 16909), (214, 17005), (258, 17077), (260, 17083), (263, 17095), (277, 17146), (301, 17227), (306, 17260), (308, 17266), (329, 17347), (330, 17359), (335, 17383), (342, 17410), (351, 17452), (359, 17485), (365, 17500),

Gene: Mecca_21 Start: 16768, Stop: 17505, Start Num: 101

Candidate Starts for Mecca_21:

(Start: 101 @16768 has 332 MA's), (Start: 123 @16810 has 1 MA's), (157, 16882), (158, 16888), (Start: 163 @16897 has 2 MA's), (164, 16906), (214, 17002), (258, 17074), (260, 17080), (263, 17092), (277, 17143), (301, 17224), (306, 17257), (308, 17263), (329, 17344), (330, 17356), (335, 17380), (342, 17407), (359, 17482), (365, 17497),

Gene: Megabear_16 Start: 16492, Stop: 17229, Start Num: 104

Candidate Starts for Megabear_16:

(Start: 104 @16492 has 8 MA's), (Start: 112 @16504 has 1 MA's), (Start: 163 @16627 has 2 MA's), (164, 16636), (185, 16693), (192, 16708), (200, 16723), (235, 16750), (248, 16771), (252, 16786), (256, 16801), (258, 16804), (267, 16834), (269, 16840), (272, 16855), (289, 16915), (303, 16969), (304, 16972), (311, 17005), (313, 17011), (314, 17014), (318, 17026), (330, 17083), (333, 17092), (335, 17107), (351, 17173), (356, 17188), (359, 17206), (365, 17221),

Gene: Megamind20_22 Start: 16789, Stop: 17526, Start Num: 101

Candidate Starts for Megamind20_22:

(Start: 101 @16789 has 332 MA's), (Start: 123 @16831 has 1 MA's), (157, 16903), (158, 16909), (Start: 163 @16918 has 2 MA's), (164, 16927), (214, 17023), (258, 17095), (260, 17101), (263, 17113), (277, 17164), (301, 17245), (306, 17278), (308, 17284), (329, 17365), (330, 17377), (335, 17401), (342, 17428), (351, 17470), (359, 17503), (365, 17518),

Gene: Megan_25 Start: 19147, Stop: 20109, Start Num: 62

Candidate Starts for Megan_25:

(Start: 62 @19147 has 1 MA's), (Start: 71 @19189 has 1 MA's), (82, 19207), (Start: 93 @19237 has 2 MA's), (105, 19261), (148, 19360), (161, 19396), (168, 19420), (171, 19429), (175, 19444), (221, 19546), (230, 19576), (233, 19582), (256, 19654), (263, 19675), (272, 19708), (274, 19714), (291, 19774), (296, 19795), (303, 19831), (336, 19978), (343, 19999), (353, 20041), (365, 20077),

Gene: Megatron_22 Start: 17072, Stop: 17809, Start Num: 101

Candidate Starts for Megatron_22:

(Start: 101 @17072 has 332 MA's), (157, 17186), (158, 17192), (Start: 163 @17201 has 2 MA's), (164, 17210), (214, 17306), (258, 17378), (260, 17384), (263, 17396), (277, 17447), (301, 17528), (306, 17561), (308, 17567), (329, 17648), (330, 17660), (335, 17684), (342, 17711), (351, 17753), (359, 17786), (365, 17801),

Gene: MelBins_26 Start: 19842, Stop: 20636, Start Num: 115

Candidate Starts for MelBins_26:

(Start: 115 @19842 has 80 MA's), (126, 19863), (150, 19914), (175, 19995), (210, 20055), (220, 20073), (222, 20076), (273, 20217), (279, 20241), (284, 20259), (307, 20358), (330, 20451), (331, 20454), (336, 20481), (347, 20517), (365, 20589), (375, 20616),

Gene: Melc17_22 Start: 17063, Stop: 17800, Start Num: 101

Candidate Starts for Melc17_22:

(Start: 101 @17063 has 332 MA's), (157, 17177), (158, 17183), (Start: 163 @17192 has 2 MA's), (164, 17201), (214, 17297), (258, 17369), (260, 17375), (263, 17387), (277, 17438), (301, 17519), (306, 17552), (308, 17558), (329, 17639), (330, 17651), (335, 17675), (342, 17702), (359, 17777), (365, 17792),

Gene: MellowYellow_28 Start: 17923, Stop: 18549, Start Num: 149

Candidate Starts for MellowYellow_28:

(Start: 149 @17923 has 12 MA's), (184, 18016), (259, 18112), (279, 18172), (295, 18220), (314, 18280), (336, 18391), (348, 18433), (350, 18442), (375, 18514),

Gene: MelsMeow_21 Start: 16629, Stop: 17366, Start Num: 101

Candidate Starts for MelsMeow_21:

(Start: 101 @16629 has 332 MA's), (157, 16743), (158, 16749), (Start: 163 @16758 has 2 MA's), (164, 16767), (214, 16863), (258, 16935), (260, 16941), (263, 16953), (277, 17004), (301, 17085), (306, 17118), (308, 17124), (329, 17205), (330, 17217), (335, 17241), (342, 17268), (359, 17343), (365, 17358),

Gene: MementoMori_27 Start: 17073, Stop: 17978, Start Num: 83

Candidate Starts for MementoMori_27:

(Start: 83 @17073 has 7 MA's), (91, 17100), (Start: 93 @17103 has 2 MA's), (168, 17286), (171, 17295), (240, 17460), (263, 17538), (269, 17556), (271, 17562), (274, 17577), (279, 17598), (285, 17619), (303, 17694), (308, 17718), (312, 17733), (353, 17904), (365, 17943),

Gene: Merry_33 Start: 20136, Stop: 20972, Start Num: 108

Candidate Starts for Merry_33:

(64, 20013), (Start: 108 @20136 has 20 MA's), (120, 20160), (157, 20250), (168, 20286), (171, 20295), (175, 20310), (223, 20418), (230, 20442), (233, 20448), (256, 20520), (265, 20550), (272, 20574), (274, 20580), (285, 20622), (296, 20658), (298, 20664), (308, 20718), (323, 20769), (356, 20913), (365, 20940), (369, 20949),

Gene: Mesh1_22 Start: 17080, Stop: 17817, Start Num: 101

Candidate Starts for Mesh1_22:

(Start: 101 @17080 has 332 MA's), (Start: 123 @17122 has 1 MA's), (157, 17194), (158, 17200), (Start: 163 @17209 has 2 MA's), (164, 17218), (214, 17314), (258, 17386), (260, 17392), (263, 17404), (277, 17455), (301, 17536), (306, 17569), (308, 17575), (329, 17656), (330, 17668), (335, 17692), (342, 17719), (351, 17761), (359, 17794), (365, 17809),

Gene: Metamorphoo_31 Start: 17795, Stop: 18706, Start Num: 74

Candidate Starts for Metamorphoo_31:

(Start: 74 @17795 has 8 MA's), (122, 17897), (168, 18023), (171, 18032), (173, 18041), (230, 18176), (233, 18182), (289, 18371), (296, 18392), (301, 18413), (303, 18428), (306, 18446), (308, 18452), (323, 18503), (336, 18575), (341, 18593), (356, 18647), (365, 18674),

Gene: MichaelPhcott_21 Start: 16629, Stop: 17366, Start Num: 101

Candidate Starts for MichaelPhcott_21:

(Start: 101 @16629 has 332 MA's), (157, 16743), (158, 16749), (Start: 163 @16758 has 2 MA's), (164, 16767), (214, 16863), (258, 16935), (260, 16941), (263, 16953), (277, 17004), (301, 17085), (306, 17118), (308, 17124), (329, 17205), (330, 17217), (335, 17241), (342, 17268), (359, 17343), (365, 17358),

Gene: Mikota_22 Start: 17056, Stop: 17793, Start Num: 101

Candidate Starts for Mikota_22:

(Start: 101 @17056 has 332 MA's), (157, 17170), (158, 17176), (Start: 163 @17185 has 2 MA's), (164, 17194), (214, 17290), (258, 17362), (260, 17368), (263, 17380), (277, 17431), (301, 17512), (306, 17545), (308, 17551), (329, 17632), (330, 17644), (335, 17668), (342, 17695), (359, 17770), (365, 17785),

Gene: Mimi_91 Start: 51267, Stop: 51956, Start Num: 163

Candidate Starts for Mimi_91:

(Start: 163 @51267 has 2 MA's), (255, 51465), (277, 51552), (280, 51564), (286, 51585), (292, 51603), (296, 51621), (301, 51642), (307, 51678), (321, 51726), (326, 51741), (338, 51810), (339, 51813),

Gene: MiniBoss_22 Start: 17059, Stop: 17796, Start Num: 101

Candidate Starts for MiniBoss_22:

(Start: 101 @17059 has 332 MA's), (157, 17173), (158, 17179), (Start: 163 @17188 has 2 MA's), (164, 17197), (214, 17293), (258, 17365), (260, 17371), (263, 17383), (277, 17434), (301, 17515), (306, 17548), (308, 17554), (329, 17635), (330, 17647), (335, 17671), (342, 17698), (359, 17773), (365, 17788),

Gene: Mischief19_25 Start: 27659, Stop: 28531, Start Num: 115

Candidate Starts for Mischief19_25:

(Start: 115 @27659 has 80 MA's), (139, 27716), (164, 27785), (175, 27824), (285, 28106), (315, 28274), (333, 28355), (344, 28400), (362, 28481), (365, 28487), (370, 28502),

Gene: MitKao_22 Start: 16777, Stop: 17514, Start Num: 101

Candidate Starts for MitKao_22:

(Start: 101 @16777 has 332 MA's), (157, 16891), (158, 16897), (Start: 163 @16906 has 2 MA's), (164, 16915), (214, 17011), (258, 17083), (260, 17089), (263, 17101), (277, 17152), (301, 17233), (306, 17266), (308, 17272), (329, 17353), (330, 17365), (335, 17389), (342, 17416), (351, 17458), (359, 17491), (365, 17506),

Gene: Mithril_20 Start: 17693, Stop: 18436, Start Num: 101

Candidate Starts for Mithril_20:

(Start: 101 @17693 has 332 MA's), (158, 17804), (161, 17810), (175, 17858), (252, 17987), (265, 18032), (273, 18059), (280, 18083), (283, 18095), (293, 18125), (303, 18170), (308, 18194), (335, 18311), (342, 18338), (352, 18383), (356, 18395), (359, 18413), (365, 18428),

Gene: MmasiCarm_23 Start: 17716, Stop: 18474, Start Num: 101

Candidate Starts for MmasiCarm_23:

(Start: 68 @17641 has 8 MA's), (Start: 101 @17716 has 332 MA's), (Start: 108 @17734 has 20 MA's), (161, 17854), (164, 17866), (197, 17950), (269, 18079), (273, 18097), (290, 18157), (304, 18214), (318, 18268), (335, 18349), (338, 18361), (344, 18379), (360, 18454),

Gene: MoontowerMania_26 Start: 21288, Stop: 22061, Start Num: 115

Candidate Starts for MoontowerMania_26:

(Start: 115 @21288 has 80 MA's), (136, 21336), (175, 21441), (258, 21588), (272, 21639), (284, 21684), (303, 21762), (306, 21780), (318, 21819), (347, 21942), (376, 22044),

Gene: Morgushi_22 Start: 16782, Stop: 17519, Start Num: 101

Candidate Starts for Morgushi_22:

(Start: 101 @16782 has 332 MA's), (157, 16896), (158, 16902), (Start: 163 @16911 has 2 MA's), (164, 16920), (214, 17016), (258, 17088), (260, 17094), (263, 17106), (277, 17157), (301, 17238), (306, 17271), (308, 17277), (329, 17358), (330, 17370), (335, 17394), (342, 17421), (359, 17496), (365, 17511),

Gene: MorillMayhem_30 Start: 20780, Stop: 21628, Start Num: 111

Candidate Starts for MorillMayhem_30:

(Start: 111 @20780 has 39 MA's), (137, 20843), (151, 20873), (171, 20936), (194, 20993), (199, 21005), (240, 21086), (273, 21194), (303, 21317), (306, 21335), (358, 21554),

Gene: Mortcellus_22 Start: 18377, Stop: 19117, Start Num: 108

Candidate Starts for Mortcellus_22:

(Start: 68 @18284 has 8 MA's), (77, 18302), (Start: 101 @18359 has 332 MA's), (Start: 108 @18377 has 20 MA's), (161, 18497), (164, 18509), (197, 18593), (269, 18722), (273, 18740), (290, 18800), (304, 18857), (318, 18911), (335, 18992), (338, 19004), (344, 19022), (360, 19097),

Gene: Morty_22 Start: 17081, Stop: 17818, Start Num: 101

Candidate Starts for Morty_22:

(Start: 101 @17081 has 332 MA's), (157, 17195), (158, 17201), (Start: 163 @17210 has 2 MA's), (164, 17219), (214, 17315), (258, 17387), (260, 17393), (263, 17405), (277, 17456), (301, 17537), (306, 17570), (308, 17576), (329, 17657), (330, 17669), (335, 17693), (342, 17720), (351, 17762), (359, 17795), (365, 17810),

Gene: Morty007_23 Start: 18521, Stop: 19261, Start Num: 108

Candidate Starts for Morty007_23:

(Start: 68 @18428 has 8 MA's), (77, 18446), (Start: 101 @18503 has 332 MA's), (Start: 108 @18521 has 20 MA's), (161, 18641), (164, 18653), (197, 18737), (269, 18866), (273, 18884), (290, 18944), (304, 19001), (318, 19055), (335, 19136), (338, 19148), (344, 19166), (360, 19241),

Gene: Mosaic_21 Start: 16783, Stop: 17520, Start Num: 101

Candidate Starts for Mosaic_21:

(Start: 101 @16783 has 332 MA's), (Start: 123 @16825 has 1 MA's), (157, 16897), (158, 16903), (Start: 163 @16912 has 2 MA's), (164, 16921), (214, 17017), (258, 17089), (260, 17095), (263, 17107), (277, 17158), (301, 17239), (306, 17272), (308, 17278), (329, 17359), (330, 17371), (335, 17395), (342, 17422), (351, 17464), (359, 17497), (365, 17512),

Gene: MossRose_21 Start: 16973, Stop: 17716, Start Num: 88

Candidate Starts for MossRose_21:

(Start: 88 @16973 has 6 MA's), (Start: 101 @16997 has 332 MA's), (Start: 108 @17015 has 20 MA's), (157, 17093), (158, 17099), (171, 17138), (211, 17207), (214, 17213), (269, 17324), (305, 17462), (351, 17660), (356, 17675), (359, 17693),

Gene: MrPhizzler_21 Start: 16782, Stop: 17519, Start Num: 101

Candidate Starts for MrPhizzler_21:

(Start: 101 @16782 has 332 MA's), (157, 16896), (158, 16902), (Start: 163 @16911 has 2 MA's), (164, 16920), (214, 17016), (258, 17088), (260, 17094), (263, 17106), (277, 17157), (301, 17238), (306, 17271), (308, 17277), (329, 17358), (330, 17370), (335, 17394), (342, 17421), (359, 17496), (365, 17511),

Gene: Mudslide_20 Start: 17940, Stop: 18683, Start Num: 101

Candidate Starts for Mudslide_20:

(Start: 101 @17940 has 332 MA's), (158, 18051), (161, 18057), (175, 18105), (252, 18234), (258, 18252), (265, 18279), (273, 18306), (280, 18330), (283, 18342), (293, 18372), (303, 18417), (308, 18441), (314, 18462), (342, 18585), (352, 18630), (356, 18642), (359, 18660), (365, 18675),

Gene: Mulan_21 Start: 16777, Stop: 17514, Start Num: 101

Candidate Starts for Mulan_21:

(Start: 101 @16777 has 332 MA's), (Start: 123 @16819 has 1 MA's), (157, 16891), (158, 16897), (Start: 163 @16906 has 2 MA's), (164, 16915), (214, 17011), (258, 17083), (260, 17089), (263, 17101), (277, 17152), (301, 17233), (306, 17266), (308, 17272), (329, 17353), (330, 17365), (335, 17389), (342, 17416), (359, 17491), (365, 17506),

Gene: Murdoc_22 Start: 17070, Stop: 17807, Start Num: 101

Candidate Starts for Murdoc_22:

(Start: 101 @17070 has 332 MA's), (157, 17184), (158, 17190), (Start: 163 @17199 has 2 MA's), (164, 17208), (214, 17304), (258, 17376), (260, 17382), (263, 17394), (277, 17445), (301, 17526), (306, 17559), (308, 17565), (329, 17646), (330, 17658), (335, 17682), (342, 17709), (351, 17751), (359, 17784), (365, 17799),

Gene: Mutante_21 Start: 16780, Stop: 17517, Start Num: 101

Candidate Starts for Mutante_21:

(Start: 101 @16780 has 332 MA's), (157, 16894), (158, 16900), (Start: 163 @16909 has 2 MA's), (164, 16918), (214, 17014), (258, 17086), (260, 17092), (263, 17104), (277, 17155), (301, 17236), (306, 17269), (308, 17275), (329, 17356), (330, 17368), (335, 17392), (342, 17419), (351, 17461), (359, 17494), (365, 17509),

Gene: Mutzi_25 Start: 16313, Stop: 17083, Start Num: 118

Candidate Starts for Mutzi_25:

(94, 16268), (110, 16301), (Start: 118 @16313 has 29 MA's), (164, 16424), (168, 16436), (175, 16460), (260, 16622), (265, 16643), (269, 16652), (278, 16691), (320, 16853), (336, 16934), (354, 17003), (356, 17009), (376, 17066),

Gene: Mysterious_23 Start: 18051, Stop: 18806, Start Num: 101

Candidate Starts for Mysterious_23:

(Start: 101 @18051 has 332 MA's), (157, 18165), (161, 18177), (256, 18372), (258, 18375), (273, 18429), (283, 18465), (296, 18504), (311, 18576), (335, 18681), (342, 18708), (351, 18750), (365, 18798),

Gene: NHagos_19 Start: 15506, Stop: 16258, Start Num: 101

Candidate Starts for NHagos_19:

(Start: 101 @15506 has 332 MA's), (Start: 108 @15524 has 20 MA's), (121, 15545), (147, 15605), (157, 15632), (173, 15686), (211, 15746), (214, 15752), (239, 15779), (251, 15806), (256, 15824), (263, 15845), (269, 15863), (273, 15881), (283, 15917), (287, 15929), (303, 15992), (333, 16118), (350, 16196), (351, 16202),

Gene: Nacho_0022 Start: 17069, Stop: 17806, Start Num: 101

Candidate Starts for Nacho_0022:

(Start: 101 @17069 has 332 MA's), (Start: 123 @17111 has 1 MA's), (157, 17183), (158, 17189), (Start: 163 @17198 has 2 MA's), (164, 17207), (214, 17303), (258, 17375), (260, 17381), (263, 17393), (277, 17444), (301, 17525), (306, 17558), (308, 17564), (329, 17645), (330, 17657), (335, 17681), (342, 17708), (351, 17750), (359, 17783), (365, 17798),

Gene: Namago_31 Start: 20349, Stop: 21197, Start Num: 111

Candidate Starts for Namago_31:

(Start: 111 @20349 has 39 MA's), (137, 20412), (151, 20442), (171, 20505), (194, 20562), (199, 20574), (240, 20655), (273, 20763), (303, 20886), (306, 20904), (352, 21096),

Gene: Nanao_19 Start: 16590, Stop: 17402, Start Num: 69

Candidate Starts for Nanao_19:

(69, 16590), (78, 16611), (85, 16626), (Start: 101 @16659 has 332 MA's), (158, 16770), (161, 16776), (Start: 163 @16779 has 2 MA's), (175, 16824), (252, 16953), (265, 16998), (273, 17025), (280, 17049), (283, 17061), (293, 17091), (303, 17136), (308, 17160), (330, 17253), (342, 17304), (352, 17349), (356, 17361), (359, 17379), (365, 17394),

Gene: Nangang_22 Start: 17747, Stop: 18505, Start Num: 101

Candidate Starts for Nangang_22:

(Start: 101 @17747 has 332 MA's), (Start: 118 @17780 has 29 MA's), (161, 17873), (173, 17915), (236, 18020), (256, 18071), (283, 18164), (293, 18194), (296, 18203), (308, 18263), (351, 18449), (365, 18497),

Gene: Natkenzie_26 Start: 21114, Stop: 21905, Start Num: 115

Candidate Starts for Natkenzie_26:

(Start: 115 @21114 has 80 MA's), (168, 21243), (209, 21339), (284, 21534), (293, 21564), (318, 21669), (330, 21726), (336, 21756), (347, 21792), (365, 21864),

Gene: Nehemiah_21 Start: 18051, Stop: 18806, Start Num: 101

Candidate Starts for Nehemiah_21:

(Start: 101 @18051 has 332 MA's), (157, 18165), (161, 18177), (236, 18321), (256, 18372), (258, 18375), (273, 18429), (283, 18465), (296, 18504), (311, 18576), (335, 18681), (342, 18708), (351, 18750), (365, 18798),

Gene: Neos5_23 Start: 18531, Stop: 19271, Start Num: 108

Candidate Starts for Neos5_23:

(Start: 68 @18438 has 8 MA's), (77, 18456), (Start: 101 @18513 has 332 MA's), (Start: 108 @18531 has 20 MA's), (161, 18651), (164, 18663), (197, 18747), (269, 18876), (273, 18894), (290, 18954), (304, 19011), (318, 19065), (335, 19146), (338, 19158), (344, 19176), (360, 19251),

Gene: Newman_22 Start: 17069, Stop: 17806, Start Num: 101

Candidate Starts for Newman_22:

(Start: 101 @17069 has 332 MA's), (Start: 123 @17111 has 1 MA's), (157, 17183), (158, 17189), (Start: 163 @17198 has 2 MA's), (164, 17207), (214, 17303), (258, 17375), (260, 17381), (263, 17393), (277, 17444), (301, 17525), (306, 17558), (308, 17564), (329, 17645), (330, 17657), (335, 17681), (342, 17708), (359, 17783), (365, 17798),

Gene: Nicole21_22 Start: 17061, Stop: 17798, Start Num: 101

Candidate Starts for Nicole21_22:

(Start: 101 @17061 has 332 MA's), (157, 17175), (158, 17181), (Start: 163 @17190 has 2 MA's), (164, 17199), (214, 17295), (258, 17367), (260, 17373), (263, 17385), (277, 17436), (301, 17517), (306, 17550), (308, 17556), (329, 17637), (330, 17649), (335, 17673), (342, 17700), (351, 17742), (359, 17775), (365, 17790),

Gene: Nicole72_26 Start: 19571, Stop: 20485, Start Num: 71

Candidate Starts for Nicole72_26:

(Start: 71 @19571 has 1 MA's), (109, 19652), (157, 19763), (168, 19799), (171, 19808), (175, 19823), (187, 19856), (218, 19922), (230, 19955), (233, 19961), (263, 20054), (272, 20087), (274, 20093), (279, 20114), (291, 20153), (296, 20174), (303, 20210), (308, 20234), (310, 20243), (336, 20357), (343, 20378), (353, 20420), (356, 20429), (365, 20456), (369, 20465),

Gene: Nigel_18 Start: 16503, Stop: 17285, Start Num: 81

Candidate Starts for Nigel_18:

(Start: 81 @16503 has 1 MA's), (Start: 101 @16542 has 332 MA's), (147, 16620), (158, 16653), (161, 16659), (Start: 163 @16662 has 2 MA's), (211, 16773), (236, 16800), (248, 16821), (252, 16836), (260, 16860), (265, 16881), (273, 16908), (274, 16911), (283, 16944), (303, 17019), (308, 17043), (330, 17136), (335, 17160), (348, 17214), (352, 17232), (359, 17262), (365, 17277),

Gene: Nike_31 Start: 21301, Stop: 22149, Start Num: 111

Candidate Starts for Nike_31:

(Start: 111 @21301 has 39 MA's), (137, 21364), (151, 21394), (171, 21457), (194, 21514), (199, 21526), (240, 21607), (273, 21715), (303, 21838), (306, 21856), (358, 22075),

Gene: NoodlelyBoi_31 Start: 18324, Stop: 19238, Start Num: 72

Candidate Starts for NoodlelyBoi_31:

(Start: 72 @18324 has 29 MA's), (122, 18426), (173, 18570), (221, 18678), (230, 18705), (233, 18711), (296, 18924), (323, 19035), (333, 19086), (341, 19125), (356, 19179),

Gene: Nordenberg_21 Start: 20650, Stop: 21423, Start Num: 115

Candidate Starts for Nordenberg_21:

(Start: 115 @20650 has 80 MA's), (136, 20698), (161, 20755), (175, 20803), (232, 20893), (258, 20950), (272, 21001), (284, 21046), (303, 21124), (306, 21142), (318, 21181), (330, 21238), (347, 21304), (376, 21406),

Gene: Nozo_23 Start: 18483, Stop: 19241, Start Num: 101

Candidate Starts for Nozo_23:

(Start: 68 @18408 has 8 MA's), (77, 18426), (Start: 101 @18483 has 332 MA's), (Start: 108 @18501 has 20 MA's), (161, 18621), (164, 18633), (197, 18717), (269, 18846), (273, 18864), (290, 18924), (304, 18981), (318, 19035), (335, 19116), (338, 19128), (344, 19146), (360, 19221),

Gene: Nubi_23 Start: 15965, Stop: 16735, Start Num: 118

Candidate Starts for Nubi_23:

(Start: 118 @15965 has 29 MA's), (136, 16007), (168, 16088), (175, 16112), (215, 16193), (258, 16268), (260, 16274), (265, 16295), (269, 16304), (278, 16343), (320, 16505), (354, 16655), (356, 16661), (376, 16718),

Gene: Numberten_22 Start: 17074, Stop: 17811, Start Num: 101

Candidate Starts for Numberten_22:

(Start: 101 @17074 has 332 MA's), (157, 17188), (158, 17194), (Start: 163 @17203 has 2 MA's), (164, 17212), (214, 17308), (258, 17380), (260, 17386), (263, 17398), (277, 17449), (301, 17530), (306, 17563), (308, 17569), (329, 17650), (330, 17662), (335, 17686), (342, 17713), (351, 17755), (359, 17788), (365, 17803),

Gene: Nyala_21 Start: 16772, Stop: 17509, Start Num: 101

Candidate Starts for Nyala_21:

(Start: 101 @16772 has 332 MA's), (Start: 123 @16814 has 1 MA's), (157, 16886), (158, 16892), (Start: 163 @16901 has 2 MA's), (164, 16910), (214, 17006), (258, 17078), (260, 17084), (263, 17096), (277, 17147), (301, 17228), (306, 17261), (308, 17267), (329, 17348), (330, 17360), (335, 17384), (342, 17411), (359, 17486), (365, 17501),

Gene: NyleyClemson_27 Start: 17868, Stop: 18494, Start Num: 149

Candidate Starts for NyleyClemson_27:

(Start: 149 @17868 has 12 MA's), (184, 17961), (259, 18057), (279, 18117), (295, 18165), (314, 18225), (336, 18336), (348, 18378), (350, 18387), (375, 18459),

Gene: OSmaximus_22 Start: 17081, Stop: 17818, Start Num: 101

Candidate Starts for OSmaximus_22:

(Start: 101 @17081 has 332 MA's), (157, 17195), (158, 17201), (Start: 163 @17210 has 2 MA's), (164, 17219), (214, 17315), (258, 17387), (260, 17393), (263, 17405), (277, 17456), (301, 17537), (306, 17570), (308, 17576), (329, 17657), (330, 17669), (335, 17693), (342, 17720), (351, 17762), (359, 17795), (365, 17810),

Gene: Obutu_23 Start: 17734, Stop: 18474, Start Num: 108

Candidate Starts for Obutu_23:

(Start: 68 @17641 has 8 MA's), (77, 17659), (Start: 101 @17716 has 332 MA's), (Start: 108 @17734 has 20 MA's), (161, 17854), (164, 17866), (197, 17950), (269, 18079), (273, 18097), (290, 18157), (304, 18214), (318, 18268), (335, 18349), (338, 18361), (344, 18379), (360, 18454),

Gene: Odyssey395_33 Start: 19210, Stop: 19827, Start Num: 149

Candidate Starts for Odyssey395_33:

(Start: 149 @19210 has 12 MA's), (184, 19303), (259, 19399), (279, 19459), (295, 19507), (314, 19567), (317, 19576), (336, 19669), (348, 19711), (350, 19720), (375, 19792),

Gene: Olak_21 Start: 16773, Stop: 17510, Start Num: 101

Candidate Starts for Olak_21:

(Start: 101 @16773 has 332 MA's), (157, 16887), (158, 16893), (Start: 163 @16902 has 2 MA's), (164, 16911), (214, 17007), (258, 17079), (260, 17085), (263, 17097), (277, 17148), (301, 17229), (306, 17262), (308, 17268), (329, 17349), (330, 17361), (335, 17385), (342, 17412), (351, 17454), (359, 17487), (365, 17502),

Gene: Oline_21 Start: 16635, Stop: 17372, Start Num: 101

Candidate Starts for Oline_21:

(Start: 101 @16635 has 332 MA's), (157, 16749), (158, 16755), (Start: 163 @16764 has 2 MA's), (164, 16773), (214, 16869), (258, 16941), (260, 16947), (263, 16959), (277, 17010), (301, 17091), (306, 17124), (308, 17130), (329, 17211), (330, 17223), (335, 17247), (342, 17274), (359, 17349), (365, 17364),

Gene: Olive_22 Start: 17062, Stop: 17799, Start Num: 101

Candidate Starts for Olive_22:

(Start: 101 @17062 has 332 MA's), (157, 17176), (158, 17182), (Start: 163 @17191 has 2 MA's), (164, 17200), (214, 17296), (258, 17368), (260, 17374), (263, 17386), (277, 17437), (301, 17518), (306, 17551), (308, 17557), (329, 17638), (330, 17650), (335, 17674), (342, 17701), (359, 17776), (365, 17791),

Gene: OliverWalter_22 Start: 17078, Stop: 17815, Start Num: 101

Candidate Starts for OliverWalter_22:

(Start: 101 @17078 has 332 MA's), (Start: 123 @17120 has 1 MA's), (157, 17192), (158, 17198), (Start: 163 @17207 has 2 MA's), (164, 17216), (214, 17312), (258, 17384), (260, 17390), (263, 17402), (277, 17453), (301, 17534), (306, 17567), (308, 17573), (329, 17654), (330, 17666), (335, 17690), (342, 17717), (359, 17792), (365, 17807),

Gene: Omniscient_22 Start: 17081, Stop: 17818, Start Num: 101

Candidate Starts for Omniscient_22:

(Start: 101 @17081 has 332 MA's), (157, 17195), (158, 17201), (Start: 163 @17210 has 2 MA's), (164, 17219), (214, 17315), (258, 17387), (260, 17393), (263, 17405), (277, 17456), (301, 17537), (306, 17570), (308, 17576), (329, 17657), (330, 17669), (335, 17693), (342, 17720), (351, 17762), (359, 17795), (365, 17810),

Gene: OneinaGillian_30 Start: 19284, Stop: 20129, Start Num: 111

Candidate Starts for OneinaGillian_30:

(Start: 111 @19284 has 39 MA's), (137, 19350), (151, 19380), (194, 19500), (240, 19593), (270, 19686), (296, 19788), (310, 19854), (330, 19935), (340, 19977), (352, 20025), (365, 20070),

Gene: Onika_30 Start: 17971, Stop: 18885, Start Num: 72

Candidate Starts for Onika_30:

(Start: 72 @17971 has 29 MA's), (122, 18073), (173, 18217), (221, 18325), (230, 18352), (233, 18358), (273, 18487), (296, 18571), (323, 18682), (336, 18754), (341, 18772), (356, 18826),

Gene: Oosterbaan_22 Start: 17073, Stop: 17810, Start Num: 101

Candidate Starts for Oosterbaan_22:

(Start: 101 @17073 has 332 MA's), (157, 17187), (158, 17193), (Start: 163 @17202 has 2 MA's), (164, 17211), (214, 17307), (258, 17379), (260, 17385), (263, 17397), (277, 17448), (301, 17529), (306, 17562), (308, 17568), (329, 17649), (330, 17661), (335, 17685), (342, 17712), (351, 17754), (359,

17787), (365, 17802),

Gene: Opia_24 Start: 19130, Stop: 19915, Start Num: 89

Candidate Starts for Opia_24:

(Start: 89 @19130 has 29 MA's), (136, 19241), (153, 19277), (Start: 159 @19298 has 3 MA's), (161, 19301), (175, 19349), (192, 19385), (258, 19487), (265, 19514), (269, 19523), (273, 19541), (279, 19562), (303, 19655), (308, 19679), (314, 19700), (329, 19757), (330, 19769), (331, 19772), (338, 19802), (350, 19853), (363, 19904),

Gene: OrangeOswald_23 Start: 17721, Stop: 18479, Start Num: 101

Candidate Starts for OrangeOswald_23:

(Start: 68 @17646 has 8 MA's), (77, 17664), (Start: 101 @17721 has 332 MA's), (Start: 108 @17739 has 20 MA's), (161, 17859), (164, 17871), (197, 17955), (269, 18084), (273, 18102), (290, 18162), (304, 18219), (318, 18273), (335, 18354), (338, 18366), (344, 18384), (360, 18459),

Gene: Orfeu_21 Start: 16772, Stop: 17509, Start Num: 101

Candidate Starts for Orfeu_21:

(Start: 101 @16772 has 332 MA's), (157, 16886), (158, 16892), (Start: 163 @16901 has 2 MA's), (164, 16910), (214, 17006), (258, 17078), (260, 17084), (263, 17096), (277, 17147), (301, 17228), (306, 17261), (308, 17267), (329, 17348), (330, 17360), (335, 17384), (342, 17411), (351, 17453), (359, 17486), (365, 17501),

Gene: Orion_22 Start: 17070, Stop: 17807, Start Num: 101

Candidate Starts for Orion_22:

(Start: 101 @17070 has 332 MA's), (Start: 123 @17112 has 1 MA's), (157, 17184), (158, 17190), (Start: 163 @17199 has 2 MA's), (164, 17208), (214, 17304), (258, 17376), (260, 17382), (263, 17394), (277, 17445), (301, 17526), (306, 17559), (308, 17565), (329, 17646), (330, 17658), (335, 17682), (342, 17709), (359, 17784), (365, 17799),

Gene: Orwigg_22 Start: 16767, Stop: 17504, Start Num: 101

Candidate Starts for Orwigg_22:

(Start: 101 @16767 has 332 MA's), (157, 16881), (158, 16887), (Start: 163 @16896 has 2 MA's), (164, 16905), (214, 17001), (258, 17073), (260, 17079), (263, 17091), (277, 17142), (301, 17223), (306, 17256), (308, 17262), (329, 17343), (330, 17355), (335, 17379), (342, 17406), (351, 17448), (359, 17481), (365, 17496),

Gene: PG1_22 Start: 17083, Stop: 17820, Start Num: 101

Candidate Starts for PG1_22:

(Start: 101 @17083 has 332 MA's), (157, 17197), (158, 17203), (Start: 163 @17212 has 2 MA's), (164, 17221), (214, 17317), (258, 17389), (260, 17395), (263, 17407), (277, 17458), (301, 17539), (306, 17572), (308, 17578), (329, 17659), (330, 17671), (335, 17695), (342, 17722), (359, 17797), (365, 17812),

Gene: PR_16 Start: 16519, Stop: 17256, Start Num: 104

Candidate Starts for PR_16:

(Start: 104 @16519 has 8 MA's), (Start: 112 @16531 has 1 MA's), (Start: 163 @16654 has 2 MA's), (185, 16720), (192, 16735), (200, 16750), (235, 16777), (248, 16798), (252, 16813), (256, 16828), (258, 16831), (267, 16861), (269, 16867), (272, 16882), (284, 16924), (289, 16942), (303, 16996), (304, 16999), (311, 17032), (313, 17038), (314, 17041), (318, 17053), (330, 17110), (333, 17119), (335, 17134), (351, 17200), (356, 17215), (359, 17233), (365, 17248),

Gene: Pacifista_21 Start: 16774, Stop: 17511, Start Num: 101

Candidate Starts for Pacifista_21:

(Start: 101 @16774 has 332 MA's), (157, 16888), (158, 16894), (Start: 163 @16903 has 2 MA's), (164, 16912), (214, 17008), (258, 17080), (260, 17086), (263, 17098), (277, 17149), (301, 17230), (306, 17263), (308, 17269), (329, 17350), (330, 17362), (335, 17386), (342, 17413), (351, 17455), (359, 17488), (365, 17503),

Gene: Paries_29 Start: 22107, Stop: 22880, Start Num: 115

Candidate Starts for Paries_29:

(Start: 115 @22107 has 80 MA's), (136, 22155), (161, 22212), (175, 22260), (232, 22350), (258, 22407), (272, 22458), (284, 22503), (303, 22581), (306, 22599), (318, 22638), (347, 22761), (376, 22863),

Gene: Paschalis_30 Start: 17984, Stop: 18898, Start Num: 72

Candidate Starts for Paschalis_30:

(Start: 72 @17984 has 29 MA's), (Start: 79 @17996 has 4 MA's), (122, 18086), (173, 18230), (221, 18338), (230, 18365), (233, 18371), (273, 18500), (296, 18584), (323, 18695), (336, 18767), (341, 18785), (356, 18839),

Gene: Patbob_85 Start: 52139, Stop: 52828, Start Num: 163

Candidate Starts for Patbob_85:

(Start: 163 @52139 has 2 MA's), (255, 52337), (277, 52424), (280, 52436), (286, 52457), (292, 52475), (296, 52493), (301, 52514), (307, 52550), (321, 52598), (326, 52613), (338, 52682), (339, 52685),

Gene: PauloDiaboli_91 Start: 48380, Stop: 49141, Start Num: 142

Candidate Starts for PauloDiaboli_91:

(Start: 142 @48380 has 6 MA's), (169, 48461), (190, 48518), (219, 48563), (247, 48614), (252, 48635), (261, 48662), (262, 48665), (277, 48734), (303, 48836), (309, 48866), (313, 48878), (318, 48893), (335, 48980), (349, 49040), (350, 49043), (351, 49049), (369, 49106),

Gene: PenguinLover67_24 Start: 19278, Stop: 20039, Start Num: 101

Candidate Starts for PenguinLover67_24:

(Start: 101 @19278 has 332 MA's), (124, 19323), (161, 19407), (Start: 163 @19410 has 2 MA's), (175, 19455), (205, 19512), (256, 19602), (265, 19632), (269, 19641), (303, 19770), (308, 19794), (335, 19914), (342, 19941), (365, 20031),

Gene: Pepe25_29 Start: 19511, Stop: 20353, Start Num: 111

Candidate Starts for Pepe25_29:

(103, 19496), (Start: 111 @19511 has 39 MA's), (137, 19577), (151, 19607), (194, 19727), (240, 19820), (270, 19913), (296, 20015), (303, 20048), (310, 20081), (340, 20204), (352, 20252), (365, 20297),

Gene: Phabia_31 Start: 20683, Stop: 21531, Start Num: 111

Candidate Starts for Phabia_31:

(Start: 111 @20683 has 39 MA's), (137, 20746), (151, 20776), (171, 20839), (194, 20896), (199, 20908), (240, 20989), (273, 21097), (303, 21220), (306, 21238), (352, 21430),

Gene: Phaedrus_21 Start: 17655, Stop: 18395, Start Num: 108

Candidate Starts for Phaedrus_21:

(Start: 68 @17562 has 8 MA's), (Start: 101 @17637 has 332 MA's), (Start: 108 @17655 has 20 MA's), (161, 17775), (164, 17787), (197, 17871), (269, 18000), (273, 18018), (290, 18078), (304, 18135), (318, 18189), (335, 18270), (338, 18282), (344, 18300), (360, 18375),

Gene: Phamished_22 Start: 17078, Stop: 17815, Start Num: 101

Candidate Starts for Phamished_22:

(Start: 101 @17078 has 332 MA's), (157, 17192), (158, 17198), (Start: 163 @17207 has 2 MA's), (164, 17216), (214, 17312), (258, 17384), (260, 17390), (263, 17402), (277, 17453), (301, 17534), (306, 17567), (308, 17573), (329, 17654), (330, 17666), (335, 17690), (342, 17717), (351, 17759), (359, 17792), (365, 17807),

Gene: Phantasmagoria_24 Start: 19126, Stop: 19911, Start Num: 89

Candidate Starts for Phantasmagoria_24:

(Start: 89 @19126 has 29 MA's), (136, 19237), (153, 19273), (Start: 159 @19294 has 3 MA's), (161, 19297), (175, 19345), (192, 19381), (258, 19483), (265, 19510), (269, 19519), (273, 19537), (279, 19558), (303, 19651), (308, 19675), (314, 19696), (329, 19753), (330, 19765), (331, 19768), (338, 19798), (350, 19849), (363, 19900),

Gene: Phareon_22 Start: 16778, Stop: 17515, Start Num: 101

Candidate Starts for Phareon_22:

(Start: 101 @16778 has 332 MA's), (Start: 123 @16820 has 1 MA's), (157, 16892), (158, 16898), (Start: 163 @16907 has 2 MA's), (164, 16916), (214, 17012), (258, 17084), (260, 17090), (263, 17102), (277, 17153), (301, 17234), (306, 17267), (308, 17273), (329, 17354), (330, 17366), (335, 17390), (342, 17417), (359, 17492), (365, 17507),

Gene: PhatCats2014_22 Start: 17088, Stop: 17825, Start Num: 101

Candidate Starts for PhatCats2014_22:

(Start: 101 @17088 has 332 MA's), (157, 17202), (158, 17208), (Start: 163 @17217 has 2 MA's), (164, 17226), (214, 17322), (258, 17394), (260, 17400), (263, 17412), (277, 17463), (301, 17544), (306, 17577), (308, 17583), (329, 17664), (330, 17676), (335, 17700), (342, 17727), (351, 17769), (359, 17802), (365, 17817),

Gene: PhatLouie_22 Start: 17070, Stop: 17807, Start Num: 101

Candidate Starts for PhatLouie_22:

(Start: 101 @17070 has 332 MA's), (157, 17184), (158, 17190), (Start: 163 @17199 has 2 MA's), (164, 17208), (214, 17304), (258, 17376), (260, 17382), (263, 17394), (277, 17445), (301, 17526), (306, 17559), (308, 17565), (329, 17646), (330, 17658), (335, 17682), (342, 17709), (359, 17784), (365, 17799),

Gene: Phauci_18 Start: 16223, Stop: 17017, Start Num: 115

Candidate Starts for Phauci_18:

(Start: 115 @16223 has 80 MA's), (126, 16244), (150, 16295), (175, 16376), (210, 16436), (220, 16454), (222, 16457), (273, 16598), (279, 16622), (284, 16640), (307, 16739), (330, 16832), (331, 16835), (347, 16898), (365, 16970), (375, 16997),

Gene: Phayeta_23 Start: 17597, Stop: 18355, Start Num: 101

Candidate Starts for Phayeta_23:

(Start: 68 @17522 has 8 MA's), (77, 17540), (Start: 101 @17597 has 332 MA's), (Start: 108 @17615 has 20 MA's), (161, 17735), (164, 17747), (197, 17831), (269, 17960), (273, 17978), (290, 18038), (304, 18095), (318, 18149), (335, 18230), (338, 18242), (344, 18260), (360, 18335),

Gene: Phelemich_22 Start: 18047, Stop: 18802, Start Num: 101

Candidate Starts for Phelemich_22:

(Start: 101 @18047 has 332 MA's), (157, 18161), (161, 18173), (175, 18221), (256, 18368), (258, 18371), (273, 18425), (283, 18461), (296, 18500), (311, 18572), (335, 18677), (338, 18689), (342, 18704), (351, 18746), (365, 18794),

Gene: PhenghisKhan_21 Start: 16629, Stop: 17366, Start Num: 101

Candidate Starts for PhenghisKhan_21:

(Start: 101 @16629 has 332 MA's), (157, 16743), (158, 16749), (Start: 163 @16758 has 2 MA's), (164, 16767), (214, 16863), (258, 16935), (260, 16941), (263, 16953), (277, 17004), (301, 17085), (306, 17118), (308, 17124), (329, 17205), (330, 17217), (335, 17241), (342, 17268), (359, 17343), (365, 17358),

Gene: Pherdinand_22 Start: 17078, Stop: 17815, Start Num: 101

Candidate Starts for Pherdinand_22:

(Start: 101 @17078 has 332 MA's), (157, 17192), (158, 17198), (Start: 163 @17207 has 2 MA's), (164, 17216), (214, 17312), (258, 17384), (260, 17390), (263, 17402), (277, 17453), (301, 17534), (306, 17567), (308, 17573), (329, 17654), (330, 17666), (335, 17690), (342, 17717), (351, 17759), (359, 17792), (365, 17807),

Gene: Phergie_21 Start: 16623, Stop: 17360, Start Num: 101

Candidate Starts for Phergie_21:

(Start: 101 @16623 has 332 MA's), (157, 16737), (158, 16743), (Start: 163 @16752 has 2 MA's), (164, 16761), (214, 16857), (258, 16929), (260, 16935), (263, 16947), (277, 16998), (301, 17079), (306, 17112), (308, 17118), (329, 17199), (330, 17211), (335, 17235), (342, 17262), (359, 17337), (365, 17352),

Gene: Philly_22 Start: 17587, Stop: 18345, Start Num: 101

Candidate Starts for Philly_22:

(Start: 68 @17512 has 8 MA's), (77, 17530), (Start: 101 @17587 has 332 MA's), (Start: 108 @17605 has 20 MA's), (161, 17725), (164, 17737), (197, 17821), (269, 17950), (273, 17968), (290, 18028), (304, 18085), (318, 18139), (335, 18220), (338, 18232), (344, 18250), (360, 18325),

Gene: Phinally_25 Start: 19634, Stop: 20425, Start Num: 115

Candidate Starts for Phinally_25:

(Start: 115 @19634 has 80 MA's), (126, 19655), (150, 19706), (175, 19787), (210, 19847), (220, 19865), (222, 19868), (273, 20009), (279, 20033), (284, 20051), (307, 20150), (330, 20243), (331, 20246), (336, 20273), (347, 20309), (370, 20396), (375, 20408),

Gene: Phinky_37 Start: 21853, Stop: 22707, Start Num: 111

Candidate Starts for Phinky_37:

(7, 21229), (10, 21280), (11, 21286), (36, 21535), (46, 21640), (Start: 111 @21853 has 39 MA's), (137, 21916), (147, 21937), (151, 21946), (175, 22024), (178, 22033), (199, 22078), (240, 22168), (283, 22315), (296, 22363), (303, 22399), (330, 22516), (355, 22615), (369, 22660),

Gene: Phipps_22 Start: 17048, Stop: 17785, Start Num: 101

Candidate Starts for Phipps_22:

(Start: 101 @17048 has 332 MA's), (157, 17162), (158, 17168), (Start: 163 @17177 has 2 MA's), (164, 17186), (214, 17282), (258, 17354), (260, 17360), (263, 17372), (277, 17423), (301, 17504), (306, 17537), (308, 17543), (329, 17624), (330, 17636), (335, 17660), (342, 17687), (351, 17729), (359, 17762), (365, 17777),

Gene: Phleuron_21 Start: 16629, Stop: 17366, Start Num: 101

Candidate Starts for Phleuron_21:

(Start: 101 @16629 has 332 MA's), (157, 16743), (158, 16749), (Start: 163 @16758 has 2 MA's), (164, 16767), (214, 16863), (258, 16935), (260, 16941), (263, 16953), (277, 17004), (301, 17085), (306, 17118), (308, 17124), (329, 17205), (330, 17217), (335, 17241), (342, 17268), (359, 17343), (365, 17358),

Gene: Phlop_23 Start: 16029, Stop: 16799, Start Num: 118

Candidate Starts for Phlop_23:

(76, 15936), (Start: 118 @16029 has 29 MA's), (136, 16071), (168, 16152), (215, 16257), (258, 16332), (260, 16338), (265, 16359), (269, 16368), (278, 16407), (284, 16428), (320, 16569), (322, 16578), (354, 16719), (356, 16725), (376, 16782),

Gene: Phlyer_23 Start: 18474, Stop: 19214, Start Num: 108

Candidate Starts for Phlyer_23:

(Start: 68 @18381 has 8 MA's), (77, 18399), (Start: 101 @18456 has 332 MA's), (Start: 108 @18474 has 20 MA's), (161, 18594), (164, 18606), (197, 18690), (269, 18819), (273, 18837), (290, 18897), (304, 18954), (318, 19008), (335, 19089), (338, 19101), (344, 19119), (360, 19194),

Gene: Phorgeous_30 Start: 17838, Stop: 18752, Start Num: 72

Candidate Starts for Phorgeous_30:

(Start: 72 @17838 has 29 MA's), (122, 17940), (173, 18084), (221, 18192), (230, 18219), (233, 18225), (273, 18354), (296, 18438), (323, 18549), (336, 18621), (341, 18639), (356, 18693),

Gene: Phrampa_78 Start: 48844, Stop: 49551, Start Num: 163

Candidate Starts for Phrampa_78:

(Start: 163 @48844 has 2 MA's), (280, 49159), (286, 49180), (292, 49198), (301, 49237), (307, 49273), (321, 49321), (326, 49336), (335, 49393), (338, 49405), (339, 49408),

Gene: Phrancesco_31 Start: 18116, Stop: 19030, Start Num: 72

Candidate Starts for Phrancesco_31:

(Start: 72 @18116 has 29 MA's), (122, 18218), (173, 18362), (221, 18470), (230, 18497), (233, 18503), (273, 18632), (296, 18716), (323, 18827), (329, 18857), (336, 18899), (341, 18917), (356, 18971),

Gene: PhrankReynolds_21 Start: 16629, Stop: 17366, Start Num: 101

Candidate Starts for PhrankReynolds_21:

(Start: 101 @16629 has 332 MA's), (157, 16743), (158, 16749), (Start: 163 @16758 has 2 MA's), (164, 16767), (214, 16863), (258, 16935), (260, 16941), (263, 16953), (277, 17004), (301, 17085), (306, 17118), (308, 17124), (329, 17205), (330, 17217), (335, 17241), (342, 17268), (359, 17343), (365, 17358),

Gene: PhrodoBaggins_21 Start: 17066, Stop: 17803, Start Num: 101

Candidate Starts for PhrodoBaggins_21:

(Start: 101 @17066 has 332 MA's), (157, 17180), (158, 17186), (Start: 163 @17195 has 2 MA's), (164, 17204), (214, 17300), (258, 17372), (260, 17378), (263, 17390), (277, 17441), (301, 17522), (306, 17555), (308, 17561), (329, 17642), (330, 17654), (335, 17678), (342, 17705), (351, 17747), (359, 17780), (365, 17795),

Gene: Phunky_22 Start: 17072, Stop: 17809, Start Num: 101

Candidate Starts for Phunky_22:

(Start: 101 @17072 has 332 MA's), (157, 17186), (158, 17192), (Start: 163 @17201 has 2 MA's), (164, 17210), (214, 17306), (258, 17378), (260, 17384), (263, 17396), (277, 17447), (301, 17528), (306, 17561), (308, 17567), (329, 17648), (330, 17660), (335, 17684), (342, 17711), (351, 17753), (359, 17786), (365, 17801),

Gene: PierreOrion_31 Start: 18151, Stop: 19053, Start Num: 79

Candidate Starts for PierreOrion_31:

(Start: 72 @18139 has 29 MA's), (Start: 79 @18151 has 4 MA's), (122, 18241), (173, 18385), (221, 18493), (230, 18520), (233, 18526), (273, 18655), (296, 18739), (323, 18850), (336, 18922), (341, 18940), (356, 18994),

Gene: Piglet_0021 Start: 17072, Stop: 17809, Start Num: 101

Candidate Starts for Piglet_0021:

(Start: 101 @17072 has 332 MA's), (Start: 123 @17114 has 1 MA's), (157, 17186), (158, 17192), (Start: 163 @17201 has 2 MA's), (164, 17210), (214, 17306), (258, 17378), (260, 17384), (263, 17396), (277, 17447), (301, 17528), (306, 17561), (308, 17567), (329, 17648), (330, 17660), (335, 17684), (342, 17711), (351, 17753), (359, 17786), (365, 17801),

Gene: Pine5_22 Start: 17894, Stop: 18637, Start Num: 107

Candidate Starts for Pine5_22:

(107, 17894), (197, 18095), (216, 18131), (303, 18374), (338, 18524), (353, 18587), (356, 18596), (365, 18629),

Gene: PinheadLarry_22 Start: 16789, Stop: 17526, Start Num: 101

Candidate Starts for PinheadLarry_22:

(Start: 101 @16789 has 332 MA's), (Start: 123 @16831 has 1 MA's), (157, 16903), (158, 16909), (Start: 163 @16918 has 2 MA's), (164, 16927), (214, 17023), (258, 17095), (260, 17101), (263, 17113), (277, 17164), (301, 17245), (306, 17278), (308, 17284), (329, 17365), (330, 17377), (335, 17401), (342, 17428), (359, 17503), (365, 17518),

Gene: PinkCoffee_25 Start: 16668, Stop: 17438, Start Num: 118

Candidate Starts for PinkCoffee_25:

(Start: 118 @16668 has 29 MA's), (136, 16710), (168, 16791), (215, 16896), (258, 16971), (260, 16977), (265, 16998), (269, 17007), (278, 17046), (320, 17208), (354, 17358), (356, 17364), (376, 17421),

Gene: Pinkman_21 Start: 16629, Stop: 17366, Start Num: 101

Candidate Starts for Pinkman_21:

(Start: 101 @16629 has 332 MA's), (157, 16743), (158, 16749), (Start: 163 @16758 has 2 MA's), (164, 16767), (214, 16863), (258, 16935), (260, 16941), (263, 16953), (277, 17004), (301, 17085), (306, 17118), (308, 17124), (329, 17205), (330, 17217), (335, 17241), (342, 17268), (359, 17343), (365, 17358),

Gene: Pipefish_23 Start: 18603, Stop: 19361, Start Num: 101

Candidate Starts for Pipefish_23:

(Start: 68 @18528 has 8 MA's), (Start: 101 @18603 has 332 MA's), (Start: 108 @18621 has 20 MA's), (161, 18741), (197, 18837), (269, 18966), (273, 18984), (290, 19044), (304, 19101), (318, 19155), (335, 19236), (338, 19248), (344, 19266), (360, 19341),

Gene: PiperSansNom_31 Start: 18291, Stop: 19205, Start Num: 72

Candidate Starts for PiperSansNom_31:

(Start: 72 @18291 has 29 MA's), (Start: 79 @18303 has 4 MA's), (122, 18393), (173, 18537), (221, 18645), (230, 18672), (233, 18678), (273, 18807), (296, 18891), (323, 19002), (336, 19074), (341, 19092), (356, 19146),

Gene: Piperis_31 Start: 17961, Stop: 18875, Start Num: 72

Candidate Starts for Piperis_31:

(Start: 72 @17961 has 29 MA's), (122, 18063), (173, 18207), (221, 18315), (230, 18342), (233, 18348), (273, 18477), (296, 18561), (323, 18672), (336, 18744), (341, 18762), (356, 18816),

Gene: Pipsqueak_22 Start: 17078, Stop: 17815, Start Num: 101

Candidate Starts for Pipsqueak_22:

(Start: 101 @17078 has 332 MA's), (157, 17192), (158, 17198), (Start: 163 @17207 has 2 MA's), (164, 17216), (214, 17312), (258, 17384), (260, 17390), (263, 17402), (277, 17453), (301, 17534), (306, 17567), (308, 17573), (329, 17654), (330, 17666), (335, 17690), (342, 17717), (359, 17792), (365, 17807),

Gene: Placalicious_21 Start: 16771, Stop: 17508, Start Num: 101

Candidate Starts for Placalicious_21:

(Start: 101 @16771 has 332 MA's), (157, 16885), (158, 16891), (Start: 163 @16900 has 2 MA's), (164, 16909), (214, 17005), (258, 17077), (260, 17083), (263, 17095), (277, 17146), (301, 17227), (306, 17260), (308, 17266), (329, 17347), (330, 17359), (335, 17383), (342, 17410), (351, 17452), (359, 17485), (365, 17500),

Gene: Plmatters_22 Start: 17075, Stop: 17812, Start Num: 101

Candidate Starts for Plmatters_22:

(Start: 101 @17075 has 332 MA's), (157, 17189), (158, 17195), (Start: 163 @17204 has 2 MA's), (164, 17213), (214, 17309), (258, 17381), (260, 17387), (263, 17399), (277, 17450), (301, 17531), (306, 17564), (308, 17570), (329, 17651), (330, 17663), (335, 17687), (342, 17714), (351, 17756), (359, 17789), (365, 17804),

Gene: Podrick_22 Start: 17067, Stop: 17804, Start Num: 101

Candidate Starts for Podrick_22:

(Start: 101 @17067 has 332 MA's), (157, 17181), (158, 17187), (Start: 163 @17196 has 2 MA's), (164, 17205), (214, 17301), (258, 17373), (260, 17379), (263, 17391), (277, 17442), (301, 17523), (306, 17556), (308, 17562), (329, 17643), (330, 17655), (335, 17679), (342, 17706), (351, 17748), (359, 17781), (365, 17796),

Gene: Pointis_31 Start: 19214, Stop: 19831, Start Num: 149

Candidate Starts for Pointis_31:

(Start: 149 @19214 has 12 MA's), (184, 19307), (259, 19403), (279, 19463), (295, 19511), (314, 19571), (317, 19580), (336, 19673), (348, 19715), (350, 19724), (375, 19796),

Gene: Pops_22 Start: 17075, Stop: 17812, Start Num: 101

Candidate Starts for Pops_22:

(Start: 101 @17075 has 332 MA's), (157, 17189), (158, 17195), (Start: 163 @17204 has 2 MA's), (164, 17213), (214, 17309), (258, 17381), (260, 17387), (263, 17399), (277, 17450), (301, 17531), (306, 17564), (308, 17570), (329, 17651), (330, 17663), (335, 17687), (342, 17714), (359, 17789), (365, 17804),

Gene: Portcullis_23 Start: 15972, Stop: 16742, Start Num: 118

Candidate Starts for Portcullis_23:

(76, 15879), (Start: 118 @15972 has 29 MA's), (136, 16014), (168, 16095), (215, 16200), (258, 16275), (260, 16281), (265, 16302), (269, 16311), (278, 16350), (284, 16371), (320, 16512), (322, 16521), (354, 16662), (356, 16668), (376, 16725),

Gene: Poster_19 Start: 16591, Stop: 17403, Start Num: 69

Candidate Starts for Poster_19:

(69, 16591), (78, 16612), (85, 16627), (Start: 101 @16660 has 332 MA's), (158, 16771), (161, 16777), (Start: 163 @16780 has 2 MA's), (175, 16825), (252, 16954), (265, 16999), (273, 17026), (280, 17050), (283, 17062), (293, 17092), (303, 17137), (308, 17161), (330, 17254), (342, 17305), (352, 17350), (356, 17362), (359, 17380), (365, 17395),

Gene: Potter_21 Start: 16785, Stop: 17522, Start Num: 101

Candidate Starts for Potter_21:

(Start: 101 @16785 has 332 MA's), (157, 16899), (158, 16905), (Start: 163 @16914 has 2 MA's), (164, 16923), (214, 17019), (258, 17091), (260, 17097), (263, 17109), (277, 17160), (301, 17241), (306, 17274), (308, 17280), (329, 17361), (330, 17373), (335, 17397), (342, 17424), (359, 17499), (365, 17514),

Gene: Prickles_22 Start: 17064, Stop: 17801, Start Num: 101

Candidate Starts for Prickles_22:

(Start: 101 @17064 has 332 MA's), (Start: 123 @17106 has 1 MA's), (157, 17178), (158, 17184), (Start: 163 @17193 has 2 MA's), (164, 17202), (214, 17298), (258, 17370), (260, 17376), (263, 17388), (277, 17439), (301, 17520), (306, 17553), (308, 17559), (329, 17640), (330, 17652), (335, 17676), (342, 17703), (359, 17778), (365, 17793),

Gene: Prince_20 Start: 17852, Stop: 18595, Start Num: 101

Candidate Starts for Prince_20:

(Start: 101 @17852 has 332 MA's), (158, 17963), (161, 17969), (Start: 163 @17972 has 2 MA's), (175, 18017), (252, 18146), (258, 18164), (265, 18191), (273, 18218), (280, 18242), (283, 18254), (293, 18284), (303, 18329), (308, 18353), (314, 18374), (352, 18542), (356, 18554), (359, 18572), (365, 18587),

Gene: ProfessorX_22 Start: 17062, Stop: 17799, Start Num: 101

Candidate Starts for ProfessorX_22:

(Start: 101 @17062 has 332 MA's), (157, 17176), (158, 17182), (Start: 163 @17191 has 2 MA's), (164, 17200), (214, 17296), (258, 17368), (260, 17374), (263, 17386), (277, 17437), (301, 17518), (306, 17551), (308, 17557), (329, 17638), (330, 17650), (335, 17674), (342, 17701), (359, 17776), (365, 17791),

Gene: Puhltonio_22 Start: 17078, Stop: 17815, Start Num: 101

Candidate Starts for Puhltonio_22:

(Start: 101 @17078 has 332 MA's), (157, 17192), (158, 17198), (Start: 163 @17207 has 2 MA's), (164, 17216), (214, 17312), (258, 17384), (260, 17390), (263, 17402), (277, 17453), (301, 17534), (306, 17567), (308, 17573), (329, 17654), (330, 17666), (335, 17690), (342, 17717), (351, 17759), (359, 17792), (365, 17807),

Gene: Pulchra_32 Start: 18361, Stop: 19275, Start Num: 72

Candidate Starts for Pulchra_32:

(Start: 72 @18361 has 29 MA's), (Start: 79 @18373 has 4 MA's), (122, 18463), (173, 18607), (221, 18715), (230, 18742), (233, 18748), (273, 18877), (296, 18961), (323, 19072), (336, 19144), (341, 19162), (356, 19216),

Gene: PullumCavea_23 Start: 16029, Stop: 16799, Start Num: 118

Candidate Starts for PullumCavea_23:

(76, 15936), (Start: 118 @16029 has 29 MA's), (136, 16071), (168, 16152), (215, 16257), (258, 16332), (260, 16338), (265, 16359), (269, 16368), (278, 16407), (284, 16428), (320, 16569), (322, 16578), (354, 16719), (356, 16725), (376, 16782),

Gene: Pumpernickel_88 Start: 49587, Stop: 50351, Start Num: 142

Candidate Starts for Pumpernickel_88:

(119, 49530), (130, 49551), (Start: 142 @49587 has 6 MA's), (157, 49626), (165, 49653), (183, 49710), (241, 49800), (246, 49818), (266, 49893), (277, 49941), (370, 50322),

Gene: Pureglobe5_33 Start: 19397, Stop: 20014, Start Num: 149

Candidate Starts for Pureglobe5_33:

(Start: 149 @19397 has 12 MA's), (184, 19490), (259, 19586), (279, 19646), (295, 19694), (314, 19754), (317, 19763), (336, 19856), (348, 19898), (350, 19907), (375, 19979),

Gene: Quammi_29 Start: 20255, Stop: 21103, Start Num: 111

Candidate Starts for Quammi_29:

(Start: 111 @20255 has 39 MA's), (137, 20318), (151, 20348), (171, 20411), (194, 20468), (199, 20480), (240, 20561), (273, 20669), (303, 20792), (306, 20810), (352, 21002),

Gene: QueenBeane_22 Start: 17070, Stop: 17807, Start Num: 101

Candidate Starts for QueenBeane_22:

(Start: 101 @17070 has 332 MA's), (Start: 123 @17112 has 1 MA's), (157, 17184), (158, 17190), (Start: 163 @17199 has 2 MA's), (164, 17208), (214, 17304), (258, 17376), (260, 17382), (263, 17394), (277, 17445), (301, 17526), (306, 17559), (308, 17565), (329, 17646), (330, 17658), (335, 17682), (342, 17709), (359, 17784), (365, 17799),

Gene: QueenPie_19 Start: 17858, Stop: 18601, Start Num: 101

Candidate Starts for QueenPie_19:

(80, 17816), (Start: 101 @17858 has 332 MA's), (158, 17969), (161, 17975), (175, 18023), (252, 18152), (265, 18197), (273, 18224), (274, 18227), (280, 18248), (283, 18260), (293, 18290), (303, 18335), (308, 18359), (335, 18476), (342, 18503), (352, 18548), (356, 18560), (359, 18578), (365, 18593),

Gene: Quesadilla_23 Start: 19181, Stop: 19939, Start Num: 101

Candidate Starts for Quesadilla_23:

(Start: 101 @19181 has 332 MA's), (161, 19310), (Start: 163 @19313 has 2 MA's), (205, 19406), (212, 19421), (263, 19523), (265, 19532), (269, 19541), (273, 19559), (301, 19655), (303, 19670), (308, 19694), (318, 19727), (335, 19814), (342, 19841), (350, 19877), (365, 19931),

Gene: Quhwah_34 Start: 18587, Stop: 19501, Start Num: 72

Candidate Starts for Quhwah_34:

(Start: 72 @18587 has 29 MA's), (Start: 79 @18599 has 4 MA's), (122, 18689), (173, 18833), (221, 18941), (230, 18968), (233, 18974), (273, 19103), (296, 19187), (323, 19298), (336, 19370), (341, 19388), (356, 19442),

Gene: Quisquilliae_22 Start: 17085, Stop: 17822, Start Num: 101

Candidate Starts for Quisquilliae_22:

(Start: 101 @17085 has 332 MA's), (157, 17199), (158, 17205), (Start: 163 @17214 has 2 MA's), (164, 17223), (214, 17319), (258, 17391), (260, 17397), (263, 17409), (277, 17460), (301, 17541), (306, 17574), (308, 17580), (329, 17661), (330, 17673), (335, 17697), (342, 17724), (351, 17766), (359, 17799), (365, 17814),

Gene: Qyrzula_22 Start: 19384, Stop: 20001, Start Num: 159

Candidate Starts for Qyrzula_22:

(Start: 89 @19216 has 29 MA's), (136, 19327), (153, 19363), (Start: 159 @19384 has 3 MA's), (161, 19387), (175, 19435), (192, 19471), (258, 19573), (265, 19600), (269, 19609), (273, 19627), (279, 19648), (303, 19741), (308, 19765), (314, 19786), (329, 19843), (330, 19855), (331, 19858), (338, 19888), (350, 19939), (363, 19990),

Gene: Racecar_85 Start: 51920, Stop: 52609, Start Num: 163

Candidate Starts for Racecar_85:

(Start: 163 @51920 has 2 MA's), (255, 52118), (277, 52205), (280, 52217), (286, 52238), (292, 52256), (296, 52274), (301, 52295), (307, 52331), (321, 52379), (326, 52394), (338, 52463), (339, 52466),

Gene: RagingRooster_23 Start: 17722, Stop: 18480, Start Num: 101

Candidate Starts for RagingRooster_23:

(Start: 68 @17647 has 8 MA's), (77, 17665), (Start: 101 @17722 has 332 MA's), (Start: 108 @17740 has 20 MA's), (161, 17860), (164, 17872), (197, 17956), (269, 18085), (273, 18103), (290, 18163), (304, 18220), (318, 18274), (335, 18355), (338, 18367), (344, 18385), (360, 18460),

Gene: RainyPolka_18 Start: 18081, Stop: 18941, Start Num: 115

Candidate Starts for RainyPolka_18:

(63, 17961), (90, 18036), (98, 18048), (Start: 115 @18081 has 80 MA's), (157, 18189), (226, 18336), (230, 18345), (238, 18360), (267, 18453), (269, 18459), (271, 18465), (273, 18477), (274, 18480), (296, 18585), (299, 18594), (303, 18621), (310, 18654), (335, 18765), (339, 18780), (344, 18795), (350, 18828), (356, 18849), (362, 18876), (365, 18882),

Gene: Ramiel05_30 Start: 18008, Stop: 18910, Start Num: 79

Candidate Starts for Ramiel05_30:

(Start: 72 @17996 has 29 MA's), (Start: 79 @18008 has 4 MA's), (122, 18098), (173, 18242), (221, 18350), (230, 18377), (233, 18383), (273, 18512), (296, 18596), (323, 18707), (336, 18779), (341, 18797), (356, 18851),

Gene: Ranunculus_25 Start: 18319, Stop: 18939, Start Num: 149

Candidate Starts for Ranunculus_25:

(Start: 149 @18319 has 12 MA's), (176, 18397), (178, 18403), (206, 18457), (278, 18571), (279, 18574), (314, 18682), (317, 18691), (330, 18751), (333, 18760), (335, 18775), (336, 18781), (341, 18799), (350, 18832), (363, 18883), (379, 18919),

Gene: Rasputia_62 Start: 36323, Stop: 37183, Start Num: 93

Candidate Starts for Rasputia_62:

(Start: 93 @36323 has 2 MA's), (136, 36389), (144, 36407), (157, 36440), (230, 36611), (252, 36674), (263, 36710), (269, 36728), (280, 36773), (285, 36791), (303, 36884), (308, 36908), (330, 37001), (334, 37013), (338, 37037), (339, 37040), (345, 37061), (353, 37100), (365, 37136), (370, 37151), (378, 37163),

Gene: RawrgerThat_20 Start: 17689, Stop: 18432, Start Num: 101

Candidate Starts for RawrgerThat_20:

(Start: 101 @17689 has 332 MA's), (158, 17800), (161, 17806), (175, 17854), (252, 17983), (258, 18001), (265, 18028), (273, 18055), (280, 18079), (283, 18091), (293, 18121), (303, 18166), (308, 18190), (314, 18211), (352, 18379), (356, 18391), (359, 18409), (365, 18424),

Gene: RedMaple_21 Start: 17081, Stop: 17818, Start Num: 101

Candidate Starts for RedMaple_21:

(Start: 101 @17081 has 332 MA's), (Start: 123 @17123 has 1 MA's), (157, 17195), (158, 17201), (Start: 163 @17210 has 2 MA's), (164, 17219), (214, 17315), (258, 17387), (260, 17393), (263, 17405), (277, 17456), (301, 17537), (306, 17570), (308, 17576), (329, 17657), (330, 17669), (335, 17693), (342, 17720), (359, 17795), (365, 17810),

Gene: Reprobate_22 Start: 18052, Stop: 18807, Start Num: 101

Candidate Starts for Reprobate_22:

(Start: 101 @18052 has 332 MA's), (157, 18166), (161, 18178), (256, 18373), (258, 18376), (273, 18430), (283, 18466), (296, 18505), (311, 18577), (335, 18682), (338, 18694), (342, 18709), (351, 18751), (365, 18799),

Gene: Rhinoforte_24 Start: 19247, Stop: 20032, Start Num: 89

Candidate Starts for Rhinoforte_24:

(Start: 89 @19247 has 29 MA's), (136, 19358), (153, 19394), (Start: 159 @19415 has 3 MA's), (161, 19418), (175, 19466), (192, 19502), (258, 19604), (265, 19631), (269, 19640), (273, 19658), (279, 19679), (303, 19772), (308, 19796), (314, 19817), (329, 19874), (330, 19886), (331, 19889), (338, 19919), (350, 19970), (363, 20021),

Gene: Ribeye_27 Start: 21337, Stop: 22104, Start Num: 115

Candidate Starts for Ribeye_27:

(Start: 115 @21337 has 80 MA's), (136, 21385), (161, 21442), (164, 21454), (254, 21631), (284, 21733), (303, 21811), (306, 21829), (317, 21865), (330, 21925), (347, 21991), (373, 22084),

Gene: Rich_21 Start: 17554, Stop: 18309, Start Num: 101

Candidate Starts for Rich_21:

(Start: 101 @17554 has 332 MA's), (141, 17632), (157, 17668), (161, 17680), (173, 17722), (256, 17875), (265, 17905), (283, 17968), (287, 17980), (296, 18007), (308, 18067), (338, 18196), (342, 18211), (351, 18253), (365, 18301),

Gene: Ricotta_21 Start: 16793, Stop: 17530, Start Num: 101

Candidate Starts for Ricotta_21:

(Start: 101 @16793 has 332 MA's), (Start: 123 @16835 has 1 MA's), (157, 16907), (158, 16913), (Start: 163 @16922 has 2 MA's), (164, 16931), (214, 17027), (258, 17099), (260, 17105), (263, 17117), (277, 17168), (301, 17249), (306, 17282), (308, 17288), (329, 17369), (330, 17381), (335, 17405), (342, 17432), (351, 17474), (359, 17507), (365, 17522),

Gene: Riggan_22 Start: 17053, Stop: 17790, Start Num: 101

Candidate Starts for Riggan_22:

(Start: 101 @17053 has 332 MA's), (157, 17167), (158, 17173), (Start: 163 @17182 has 2 MA's), (164, 17191), (214, 17287), (258, 17359), (260, 17365), (263, 17377), (277, 17428), (301, 17509), (306, 17542), (308, 17548), (329, 17629), (330, 17641), (335, 17665), (342, 17692), (351, 17734), (359, 17767), (365, 17782),

Gene: Rimu_22 Start: 16782, Stop: 17519, Start Num: 101

Candidate Starts for Rimu_22:

(Start: 101 @16782 has 332 MA's), (157, 16896), (158, 16902), (Start: 163 @16911 has 2 MA's), (164, 16920), (214, 17016), (258, 17088), (260, 17094), (263, 17106), (277, 17157), (301, 17238), (306, 17271), (308, 17277), (329, 17358), (330, 17370), (335, 17394), (342, 17421), (359, 17496), (365, 17511),

Gene: Rinkes_25 Start: 20083, Stop: 20820, Start Num: 101

Candidate Starts for Rinkes_25:

(Start: 101 @20083 has 332 MA's), (147, 20161), (158, 20194), (Start: 163 @20203 has 2 MA's), (172, 20236), (180, 20263), (186, 20269), (189, 20278), (209, 20302), (211, 20305), (253, 20371), (265, 20413), (274, 20443), (279, 20461), (283, 20476), (289, 20497), (311, 20587), (330, 20671), (333, 20680), (351, 20764), (365, 20812),

Gene: Rita1961_23 Start: 17642, Stop: 18475, Start Num: 68

Candidate Starts for Rita1961_23:

(Start: 68 @17642 has 8 MA's), (77, 17660), (Start: 101 @17717 has 332 MA's), (Start: 108 @17735 has 20 MA's), (161, 17855), (164, 17867), (197, 17951), (269, 18080), (273, 18098), (290, 18158), (304, 18215), (318, 18269), (335, 18350), (338, 18362), (344, 18380), (360, 18455),

Gene: RiverRaider_27 Start: 19712, Stop: 20485, Start Num: 115

Candidate Starts for RiverRaider_27:

(Start: 115 @19712 has 80 MA's), (119, 19724), (136, 19763), (175, 19868), (254, 20006), (264, 20033), (265, 20039), (269, 20048), (284, 20108), (336, 20330), (376, 20468),

Gene: Rizwana_25 Start: 18364, Stop: 19080, Start Num: 149

Candidate Starts for Rizwana_25:

(Start: 149 @18364 has 12 MA's), (166, 18409), (206, 18502), (207, 18505), (224, 18544), (237, 18571), (245, 18589), (259, 18634), (265, 18658), (269, 18667), (276, 18697), (291, 18748), (303, 18781), (327, 18868), (341, 18949), (350, 18982), (360, 19024), (379, 19069),

Gene: RoadKill_22 Start: 17468, Stop: 18265, Start Num: 115

Candidate Starts for RoadKill_22:

(Start: 115 @17468 has 80 MA's), (158, 17567), (164, 17585), (168, 17597), (175, 17621), (220, 17711), (222, 17714), (317, 18029), (320, 18038), (322, 18047), (347, 18155), (365, 18227), (367, 18230), (374, 18245),

Gene: RobinRose_32 Start: 19788, Stop: 20633, Start Num: 111

Candidate Starts for RobinRose_32:

(Start: 111 @19788 has 39 MA's), (137, 19854), (151, 19884), (194, 20004), (240, 20097), (270, 20190), (296, 20292), (310, 20358), (330, 20439), (352, 20529), (365, 20574),

Gene: RobsFeet_32 Start: 18076, Stop: 18987, Start Num: 74

Candidate Starts for RobsFeet_32:

(Start: 74 @18076 has 8 MA's), (122, 18178), (168, 18304), (171, 18313), (230, 18457), (233, 18463), (289, 18652), (296, 18673), (301, 18694), (303, 18709), (306, 18727), (308, 18733), (323, 18784), (336, 18856), (341, 18874), (356, 18928), (365, 18955),

Gene: Robyn_21 Start: 16644, Stop: 17381, Start Num: 101

Candidate Starts for Robyn_21:

(Start: 101 @16644 has 332 MA's), (157, 16758), (158, 16764), (Start: 163 @16773 has 2 MA's), (164, 16782), (214, 16878), (258, 16950), (260, 16956), (263, 16968), (277, 17019), (301, 17100), (306, 17133), (308, 17139), (330, 17232), (335, 17256), (342, 17283), (351, 17325), (359, 17358), (365, 17373),

Gene: Rofo_27 Start: 21511, Stop: 22284, Start Num: 115

Candidate Starts for Rofo_27:

(Start: 115 @21511 has 80 MA's), (136, 21559), (161, 21616), (175, 21664), (232, 21754), (258, 21811), (272, 21862), (284, 21907), (303, 21985), (306, 22003), (318, 22042), (330, 22099), (347, 22165), (376, 22267),

Gene: RogerDodger_26 Start: 16822, Stop: 17592, Start Num: 118

Candidate Starts for RogerDodger_26:

(Start: 118 @16822 has 29 MA's), (136, 16864), (168, 16945), (175, 16969), (215, 17050), (258, 17125), (260, 17131), (265, 17152), (269, 17161), (278, 17200), (284, 17221), (320, 17362), (322, 17371), (336, 17443), (354, 17512), (376, 17575),

Gene: Roliet_22 Start: 17069, Stop: 17806, Start Num: 101

Candidate Starts for Roliet_22:

(Start: 101 @17069 has 332 MA's), (Start: 123 @17111 has 1 MA's), (157, 17183), (158, 17189), (Start: 163 @17198 has 2 MA's), (164, 17207), (214, 17303), (258, 17375), (260, 17381), (263, 17393), (277, 17444), (301, 17525), (306, 17558), (308, 17564), (329, 17645), (330, 17657), (335, 17681), (342, 17708), (359, 17783), (365, 17798),

Gene: RomaT_23 Start: 18519, Stop: 19259, Start Num: 108

Candidate Starts for RomaT_23:

(Start: 68 @18426 has 8 MA's), (77, 18444), (Start: 101 @18501 has 332 MA's), (Start: 108 @18519 has 20 MA's), (161, 18639), (197, 18735), (269, 18864), (273, 18882), (290, 18942), (304, 18999), (318, 19053), (335, 19134), (338, 19146), (344, 19164), (360, 19239),

Gene: RomansRevenge_22 Start: 17569, Stop: 18318, Start Num: 145

Candidate Starts for RomansRevenge_22:

(145, 17569), (162, 17614), (181, 17671), (207, 17719), (218, 17752), (242, 17800), (263, 17869), (272, 17902), (276, 17917), (279, 17929), (285, 17950), (341, 18175), (355, 18226), (356, 18229), (360, 18250),

Gene: Romm_32 Start: 19788, Stop: 20633, Start Num: 111

Candidate Starts for Romm_32:

(Start: 111 @19788 has 39 MA's), (137, 19854), (151, 19884), (194, 20004), (240, 20097), (270, 20190), (296, 20292), (310, 20358), (330, 20439), (352, 20529), (365, 20574),

Gene: Roscoe_23 Start: 17311, Stop: 18048, Start Num: 101

Candidate Starts for Roscoe_23:

(Start: 101 @17311 has 332 MA's), (Start: 123 @17353 has 1 MA's), (157, 17425), (158, 17431), (Start: 163 @17440 has 2 MA's), (164, 17449), (214, 17545), (258, 17617), (260, 17623), (263, 17635), (277, 17686), (301, 17767), (306, 17800), (308, 17806), (329, 17887), (330, 17899), (335, 17923), (342, 17950), (359, 18025), (365, 18040),

Gene: Rosebush_24 Start: 19415, Stop: 20032, Start Num: 159

Candidate Starts for Rosebush_24:

(Start: 89 @19247 has 29 MA's), (136, 19358), (153, 19394), (Start: 159 @19415 has 3 MA's), (161, 19418), (175, 19466), (192, 19502), (258, 19604), (265, 19631), (269, 19640), (273, 19658), (279, 19679), (303, 19772), (308, 19796), (314, 19817), (329, 19874), (330, 19886), (331, 19889), (338, 19919), (350, 19970), (363, 20021),

Gene: Rowlf_27 Start: 20430, Stop: 21278, Start Num: 112

Candidate Starts for Rowlf_27:

(10, 19854), (11, 19860), (12, 19866), (16, 19896), (Start: 112 @20430 has 1 MA's), (137, 20493), (151, 20523), (171, 20586), (194, 20643), (199, 20655), (240, 20736), (273, 20844), (303, 20967), (306, 20985), (352, 21177),

Gene: Roy17_22 Start: 16773, Stop: 17510, Start Num: 101

Candidate Starts for Roy17_22:

(Start: 101 @16773 has 332 MA's), (157, 16887), (158, 16893), (Start: 163 @16902 has 2 MA's), (164, 16911), (214, 17007), (258, 17079), (260, 17085), (263, 17097), (277, 17148), (301, 17229), (306, 17262), (308, 17268), (329, 17349), (330, 17361), (335, 17385), (342, 17412), (351, 17454), (359, 17487), (365, 17502),

Gene: RubyRalph_33 Start: 20322, Stop: 21173, Start Num: 111

Candidate Starts for RubyRalph_33:

(Start: 111 @20322 has 39 MA's), (137, 20388), (151, 20418), (171, 20481), (175, 20496), (178, 20505), (194, 20538), (213, 20580), (237, 20628), (240, 20634), (279, 20766), (291, 20808), (352, 21072), (355, 21081),

Gene: Rudy_29 Start: 20288, Stop: 21136, Start Num: 111

Candidate Starts for Rudy_29:

(Start: 111 @20288 has 39 MA's), (137, 20351), (151, 20381), (171, 20444), (194, 20501), (199, 20513), (240, 20594), (273, 20702), (303, 20825), (306, 20843), (352, 21035),

Gene: SDcharge11_22 Start: 17051, Stop: 17788, Start Num: 101

Candidate Starts for SDcharge11_22:

(Start: 101 @17051 has 332 MA's), (157, 17165), (158, 17171), (Start: 163 @17180 has 2 MA's), (164, 17189), (214, 17285), (258, 17357), (260, 17363), (263, 17375), (277, 17426), (301, 17507), (306, 17540), (308, 17546), (329, 17627), (330, 17639), (335, 17663), (342, 17690), (359, 17765), (365, 17780),

Gene: SJReid_89 Start: 53179, Stop: 53868, Start Num: 163

Candidate Starts for SJReid_89:

(Start: 163 @53179 has 2 MA's), (241, 53338), (251, 53362), (302, 53566), (339, 53725), (368, 53833),

Gene: Sabella_24 Start: 19133, Stop: 19918, Start Num: 89

Candidate Starts for Sabella_24:

(Start: 89 @19133 has 29 MA's), (136, 19244), (153, 19280), (Start: 159 @19301 has 3 MA's), (161, 19304), (175, 19352), (192, 19388), (258, 19490), (265, 19517), (269, 19526), (273, 19544), (279, 19565), (303, 19658), (308, 19682), (314, 19703), (329, 19760), (330, 19772), (331, 19775), (338, 19805), (350, 19856), (363, 19907),

Gene: SadLad_35 Start: 21265, Stop: 22116, Start Num: 111

Candidate Starts for SadLad_35:

(Start: 111 @21265 has 39 MA's), (137, 21331), (151, 21361), (171, 21424), (175, 21439), (178, 21448), (194, 21481), (213, 21523), (237, 21571), (240, 21577), (279, 21709), (352, 22015), (355, 22024),

Gene: Saguaro_23 Start: 19099, Stop: 19845, Start Num: 101

Candidate Starts for Saguaro_23:

(Start: 101 @19099 has 332 MA's), (161, 19225), (175, 19273), (263, 19432), (265, 19441), (296, 19543), (308, 19603), (311, 19615), (330, 19696), (335, 19720), (351, 19789), (353, 19795), (365, 19837),

Gene: Salete_17 Start: 17740, Stop: 18600, Start Num: 115

Candidate Starts for Salete_17:

(63, 17608), (Start: 115 @17740 has 80 MA's), (157, 17848), (226, 17995), (230, 18004), (238, 18019), (269, 18118), (271, 18124), (273, 18136), (274, 18139), (296, 18244), (299, 18253), (303, 18280), (310, 18313), (312, 18319), (335, 18424), (339, 18439), (344, 18454), (350, 18487), (356, 18508), (362, 18535), (365, 18541),

Gene: SallyK_32 Start: 21363, Stop: 22211, Start Num: 111

Candidate Starts for SallyK_32:

(Start: 111 @21363 has 39 MA's), (137, 21426), (151, 21456), (171, 21519), (194, 21576), (199, 21588), (240, 21669), (273, 21777), (303, 21900), (306, 21918), (358, 22137),

Gene: Salvador_23 Start: 15943, Stop: 16713, Start Num: 118

Candidate Starts for Salvador_23:

(Start: 118 @15943 has 29 MA's), (136, 15985), (168, 16066), (175, 16090), (215, 16171), (258, 16246), (260, 16252), (265, 16273), (269, 16282), (278, 16321), (320, 16483), (354, 16633), (356, 16639), (376, 16696),

Gene: Samaymay_22 Start: 17070, Stop: 17807, Start Num: 101

Candidate Starts for Samaymay_22:

(Start: 101 @17070 has 332 MA's), (Start: 123 @17112 has 1 MA's), (157, 17184), (158, 17190), (Start: 163 @17199 has 2 MA's), (164, 17208), (214, 17304), (258, 17376), (260, 17382), (263, 17394), (277, 17445), (301, 17526), (306, 17559), (308, 17565), (329, 17646), (330, 17658), (335, 17682), (342, 17709), (359, 17784), (365, 17799),

Gene: Sampson_26 Start: 21059, Stop: 21850, Start Num: 115

Candidate Starts for Sampson_26:

(Start: 115 @21059 has 80 MA's), (168, 21188), (209, 21284), (284, 21479), (293, 21509), (318, 21614), (330, 21671), (336, 21701), (347, 21737), (365, 21809),

Gene: Sanjuju_25 Start: 21692, Stop: 22465, Start Num: 115

Candidate Starts for Sanjuju_25:

(Start: 115 @21692 has 80 MA's), (136, 21740), (175, 21845), (258, 21992), (284, 22088), (303, 22166), (306, 22184), (318, 22223), (347, 22346), (376, 22448),

Gene: Saronaya_26 Start: 20171, Stop: 20938, Start Num: 115

Candidate Starts for Saronaya_26:

(Start: 115 @20171 has 80 MA's), (136, 20219), (161, 20276), (164, 20288), (254, 20465), (273, 20525), (284, 20567), (303, 20645), (306, 20663), (317, 20699), (330, 20759), (347, 20825),

Gene: SassyCat97_21 Start: 16779, Stop: 17516, Start Num: 101

Candidate Starts for SassyCat97_21:

(Start: 101 @16779 has 332 MA's), (157, 16893), (158, 16899), (Start: 163 @16908 has 2 MA's), (164, 16917), (214, 17013), (258, 17085), (260, 17091), (263, 17103), (277, 17154), (301, 17235), (306, 17268), (308, 17274), (329, 17355), (330, 17367), (335, 17391), (342, 17418), (351, 17460), (359, 17493), (365, 17508),

Gene: Savannah_30 Start: 18023, Stop: 18937, Start Num: 72

Candidate Starts for Savannah_30:

(Start: 72 @18023 has 29 MA's), (Start: 79 @18035 has 4 MA's), (122, 18125), (173, 18269), (221, 18377), (230, 18404), (233, 18410), (273, 18539), (296, 18623), (323, 18734), (336, 18806), (341, 18824), (356, 18878),

Gene: Savbucketdawg_23 Start: 15724, Stop: 16494, Start Num: 118

Candidate Starts for Savbucketdawg_23:

(Start: 118 @15724 has 29 MA's), (136, 15766), (168, 15847), (175, 15871), (215, 15952), (258, 16027), (260, 16033), (265, 16054), (269, 16063), (278, 16102), (320, 16264), (354, 16414), (356, 16420), (376, 16477),

Gene: Schadenfreude_21 Start: 16627, Stop: 17364, Start Num: 101

Candidate Starts for Schadenfreude_21:

(Start: 101 @16627 has 332 MA's), (157, 16741), (158, 16747), (Start: 163 @16756 has 2 MA's), (164, 16765), (214, 16861), (258, 16933), (260, 16939), (263, 16951), (277, 17002), (301, 17083), (306, 17116), (308, 17122), (329, 17203), (330, 17215), (335, 17239), (342, 17266), (351, 17308), (359, 17341), (365, 17356),

Gene: SchottB_25 Start: 21183, Stop: 21950, Start Num: 115

Candidate Starts for SchottB_25:

(Start: 115 @21183 has 80 MA's), (136, 21231), (161, 21288), (164, 21300), (254, 21477), (273, 21537), (284, 21579), (303, 21657), (306, 21675), (317, 21711), (330, 21771), (347, 21837),

Gene: Schueller_22 Start: 16770, Stop: 17507, Start Num: 101

Candidate Starts for Schueller_22:

(Start: 101 @16770 has 332 MA's), (157, 16884), (158, 16890), (Start: 163 @16899 has 2 MA's), (164, 16908), (214, 17004), (258, 17076), (260, 17082), (263, 17094), (277, 17145), (301, 17226), (306, 17259), (308, 17265), (329, 17346), (330, 17358), (335, 17382), (342, 17409), (359, 17484), (365, 17499),

Gene: Scioto_26 Start: 21114, Stop: 21905, Start Num: 115

Candidate Starts for Scioto_26:

(Start: 115 @21114 has 80 MA's), (168, 21243), (209, 21339), (284, 21534), (293, 21564), (318, 21669), (330, 21726), (336, 21756), (347, 21792), (365, 21864),

Gene: Scoot17C_22 Start: 17072, Stop: 17809, Start Num: 101

Candidate Starts for Scoot17C_22:

(Start: 101 @17072 has 332 MA's), (157, 17186), (158, 17192), (Start: 163 @17201 has 2 MA's), (164, 17210), (214, 17306), (258, 17378), (260, 17384), (263, 17396), (277, 17447), (301, 17528), (306, 17561), (308, 17567), (329, 17648), (330, 17660), (335, 17684), (342, 17711), (359, 17786), (365, 17801),

Gene: Scrick_22 Start: 16797, Stop: 17534, Start Num: 101

Candidate Starts for Scrick_22:

(Start: 101 @16797 has 332 MA's), (157, 16911), (158, 16917), (Start: 163 @16926 has 2 MA's), (164, 16935), (214, 17031), (258, 17103), (260, 17109), (263, 17121), (277, 17172), (301, 17253), (306, 17286), (308, 17292), (329, 17373), (330, 17385), (335, 17409), (342, 17436), (351, 17478), (359, 17511), (365, 17526),

Gene: Scumberland_32 Start: 18212, Stop: 19126, Start Num: 72

Candidate Starts for Scumberland_32:

(Start: 72 @18212 has 29 MA's), (122, 18314), (173, 18458), (221, 18566), (230, 18593), (233, 18599), (273, 18728), (296, 18812), (323, 18923), (336, 18995), (341, 19013), (356, 19067),

Gene: Sedona_27 Start: 22617, Stop: 23390, Start Num: 115

Candidate Starts for Sedona_27:

(Start: 115 @22617 has 80 MA's), (136, 22665), (161, 22722), (175, 22770), (258, 22917), (272, 22968), (284, 23013), (303, 23091), (306, 23109), (318, 23148), (330, 23205), (347, 23271), (376, 23373),

Gene: Sejanus_19 Start: 16003, Stop: 16761, Start Num: 97

Candidate Starts for Sejanus_19:

(Start: 97 @16003 has 4 MA's), (102, 16012), (Start: 123 @16054 has 1 MA's), (127, 16063), (160, 16147), (164, 16159), (171, 16180), (200, 16246), (252, 16312), (256, 16327), (258, 16330), (263, 16348), (267, 16360), (275, 16393), (317, 16549), (347, 16681), (353, 16711), (356, 16720), (365, 16753),

Gene: Selr12_22 Start: 16794, Stop: 17531, Start Num: 101

Candidate Starts for Selr12_22:

(Start: 101 @16794 has 332 MA's), (Start: 123 @16836 has 1 MA's), (157, 16908), (158, 16914), (Start: 163 @16923 has 2 MA's), (164, 16932), (214, 17028), (258, 17100), (260, 17106), (263, 17118), (277, 17169), (301, 17250), (306, 17283), (308, 17289), (329, 17370), (330, 17382), (335, 17406), (342, 17433), (351, 17475), (359, 17508), (365, 17523),

Gene: Selwyn23_32 Start: 18189, Stop: 19103, Start Num: 72

Candidate Starts for Selwyn23_32:

(Start: 72 @18189 has 29 MA's), (Start: 79 @18201 has 4 MA's), (122, 18291), (173, 18435), (221, 18543), (230, 18570), (233, 18576), (273, 18705), (296, 18789), (303, 18825), (323, 18900), (336,

18972), (341, 18990), (356, 19044),

Gene: Serendipitous_21 Start: 17607, Stop: 18365, Start Num: 101

Candidate Starts for Serendipitous_21:

(Start: 101 @17607 has 332 MA's), (147, 17694), (157, 17721), (161, 17733), (236, 17880), (256, 17931), (283, 18024), (293, 18054), (296, 18063), (308, 18123), (342, 18267), (351, 18309), (359, 18342),

Gene: Serendipity_22 Start: 17092, Stop: 17829, Start Num: 101

Candidate Starts for Serendipity_22:

(Start: 101 @17092 has 332 MA's), (157, 17206), (158, 17212), (Start: 163 @17221 has 2 MA's), (164, 17230), (214, 17326), (258, 17398), (260, 17404), (263, 17416), (277, 17467), (301, 17548), (306, 17581), (308, 17587), (329, 17668), (330, 17680), (335, 17704), (342, 17731), (359, 17806), (365, 17821),

Gene: Serpentine_0022 Start: 17072, Stop: 17809, Start Num: 101

Candidate Starts for Serpentine_0022:

(Start: 101 @17072 has 332 MA's), (Start: 123 @17114 has 1 MA's), (157, 17186), (158, 17192), (Start: 163 @17201 has 2 MA's), (164, 17210), (214, 17306), (258, 17378), (260, 17384), (263, 17396), (277, 17447), (301, 17528), (306, 17561), (308, 17567), (329, 17648), (330, 17660), (335, 17684), (342, 17711), (351, 17753), (359, 17786), (365, 17801),

Gene: Shatter_19 Start: 15599, Stop: 16345, Start Num: 101

Candidate Starts for Shatter_19:

(Start: 86 @15569 has 3 MA's), (Start: 101 @15599 has 332 MA's), (Start: 108 @15617 has 20 MA's), (Start: 118 @15632 has 29 MA's), (196, 15818), (269, 15953), (272, 15968), (283, 16007), (330, 16196), (333, 16205), (335, 16220), (338, 16232), (351, 16289), (356, 16304), (365, 16337),

Gene: Sheila_22 Start: 17064, Stop: 17801, Start Num: 101

Candidate Starts for Sheila_22:

(Start: 101 @17064 has 332 MA's), (Start: 123 @17106 has 1 MA's), (157, 17178), (158, 17184), (Start: 163 @17193 has 2 MA's), (164, 17202), (214, 17298), (258, 17370), (260, 17376), (263, 17388), (277, 17439), (301, 17520), (306, 17553), (308, 17559), (329, 17640), (330, 17652), (335, 17676), (342, 17703), (359, 17778), (365, 17793),

Gene: Shenyu_22 Start: 17747, Stop: 18505, Start Num: 101

Candidate Starts for Shenyu_22:

(Start: 101 @17747 has 332 MA's), (Start: 118 @17780 has 29 MA's), (161, 17873), (173, 17915), (236, 18020), (256, 18071), (283, 18164), (293, 18194), (296, 18203), (308, 18263), (351, 18449), (365, 18497),

Gene: ShiVal_22 Start: 17064, Stop: 17801, Start Num: 101

Candidate Starts for ShiVal_22:

(Start: 101 @17064 has 332 MA's), (Start: 123 @17106 has 1 MA's), (157, 17178), (158, 17184), (Start: 163 @17193 has 2 MA's), (164, 17202), (214, 17298), (258, 17370), (260, 17376), (263, 17388), (277, 17439), (301, 17520), (306, 17553), (308, 17559), (329, 17640), (330, 17652), (335, 17676), (342, 17703), (351, 17745), (359, 17778), (365, 17793),

Gene: Shinji_23 Start: 15913, Stop: 16683, Start Num: 118

Candidate Starts for Shinji_23:

(76, 15820), (Start: 118 @15913 has 29 MA's), (136, 15955), (168, 16036), (215, 16141), (258, 16216), (260, 16222), (265, 16243), (269, 16252), (278, 16291), (284, 16312), (320, 16453), (322, 16462), (354, 16603), (356, 16609), (376, 16666),

Gene: Shivanishola_28 Start: 21591, Stop: 22364, Start Num: 115

Candidate Starts for Shivanishola_28:

(Start: 115 @21591 has 80 MA's), (136, 21639), (175, 21744), (258, 21891), (272, 21942), (284, 21987), (303, 22065), (306, 22083), (318, 22122), (330, 22179), (347, 22245), (376, 22347),

Gene: Shotgun_30 Start: 17822, Stop: 18736, Start Num: 72

Candidate Starts for Shotgun_30:

(Start: 72 @17822 has 29 MA's), (122, 17924), (173, 18068), (221, 18176), (230, 18203), (233, 18209), (273, 18338), (296, 18422), (323, 18533), (336, 18605), (341, 18623), (356, 18677),

Gene: Sigman_22 Start: 17063, Stop: 17800, Start Num: 101

Candidate Starts for Sigman_22:

(Start: 101 @17063 has 332 MA's), (157, 17177), (158, 17183), (Start: 163 @17192 has 2 MA's), (164, 17201), (214, 17297), (258, 17369), (260, 17375), (263, 17387), (277, 17438), (301, 17519), (306, 17552), (308, 17558), (329, 17639), (330, 17651), (335, 17675), (342, 17702), (351, 17744), (359, 17777), (365, 17792),

Gene: SilentRX_26 Start: 19358, Stop: 20092, Start Num: 149

Candidate Starts for SilentRX_26:

(Start: 149 @19358 has 12 MA's), (171, 19424), (184, 19463), (194, 19481), (206, 19502), (207, 19505), (218, 19538), (225, 19550), (229, 19562), (249, 19607), (254, 19628), (258, 19637), (269, 19673), (272, 19688), (273, 19691), (279, 19715), (308, 19811), (310, 19820), (317, 19841), (325, 19868), (333, 19913), (335, 19928), (336, 19934), (353, 19997), (355, 20003),

Gene: Sillytadpoles_32 Start: 20253, Stop: 21101, Start Num: 111

Candidate Starts for Sillytadpoles_32:

(Start: 111 @20253 has 39 MA's), (137, 20316), (151, 20346), (171, 20409), (194, 20466), (199, 20478), (240, 20559), (273, 20667), (303, 20790), (306, 20808), (352, 21000),

Gene: SilverBell_22 Start: 17087, Stop: 17824, Start Num: 101

Candidate Starts for SilverBell_22:

(Start: 101 @17087 has 332 MA's), (157, 17201), (158, 17207), (Start: 163 @17216 has 2 MA's), (164, 17225), (214, 17321), (258, 17393), (260, 17399), (263, 17411), (277, 17462), (301, 17543), (306, 17576), (308, 17582), (329, 17663), (330, 17675), (335, 17699), (342, 17726), (351, 17768), (359, 17801), (365, 17816),

Gene: Simielle_21 Start: 16762, Stop: 17499, Start Num: 101

Candidate Starts for Simielle_21:

(Start: 101 @16762 has 332 MA's), (Start: 123 @16804 has 1 MA's), (157, 16876), (158, 16882), (Start: 163 @16891 has 2 MA's), (164, 16900), (214, 16996), (258, 17068), (260, 17074), (263, 17086), (277, 17137), (301, 17218), (306, 17251), (308, 17257), (329, 17338), (330, 17350), (335, 17374), (342, 17401), (359, 17476), (365, 17491),

Gene: SirJeffery_22 Start: 17792, Stop: 18547, Start Num: 101

Candidate Starts for SirJeffery_22:

(50, 17627), (55, 17657), (60, 17678), (Start: 101 @17792 has 332 MA's), (116, 17822), (141, 17870), (157, 17906), (161, 17918), (164, 17930), (173, 17960), (175, 17966), (186, 17987), (256, 18113), (269, 18152), (273, 18170), (283, 18206), (296, 18245), (308, 18305), (335, 18422), (338, 18434), (342, 18449), (351, 18491), (365, 18539),

Gene: Sisko_19 Start: 15847, Stop: 16623, Start Num: 86

Candidate Starts for Sisko_19:

(29, 15544), (33, 15559), (Start: 86 @15847 has 3 MA's), (Start: 101 @15877 has 332 MA's), (Start: 108 @15895 has 20 MA's), (148, 15979), (Start: 163 @16018 has 2 MA's), (196, 16096), (269, 16231), (272, 16246), (274, 16252), (283, 16285), (330, 16474), (333, 16483), (335, 16498), (338, 16510), (351, 16567), (359, 16600), (363, 16612), (365, 16615),

Gene: Sitar_27 Start: 22681, Stop: 23454, Start Num: 115

Candidate Starts for Sitar_27:

(Start: 115 @22681 has 80 MA's), (136, 22729), (161, 22786), (175, 22834), (258, 22981), (272, 23032), (284, 23077), (303, 23155), (306, 23173), (318, 23212), (347, 23335), (376, 23437),

Gene: Skippy_22 Start: 17057, Stop: 17794, Start Num: 101

Candidate Starts for Skippy_22:

(Start: 101 @17057 has 332 MA's), (157, 17171), (158, 17177), (Start: 163 @17186 has 2 MA's), (164, 17195), (214, 17291), (258, 17363), (260, 17369), (263, 17381), (277, 17432), (301, 17513), (306, 17546), (308, 17552), (329, 17633), (330, 17645), (335, 17669), (342, 17696), (351, 17738), (359, 17771), (365, 17786),

Gene: Slatt_22 Start: 17086, Stop: 17823, Start Num: 101

Candidate Starts for Slatt_22:

(Start: 101 @17086 has 332 MA's), (157, 17200), (158, 17206), (Start: 163 @17215 has 2 MA's), (164, 17224), (214, 17320), (258, 17392), (260, 17398), (263, 17410), (277, 17461), (301, 17542), (306, 17575), (308, 17581), (329, 17662), (330, 17674), (335, 17698), (342, 17725), (351, 17767), (359, 17800), (365, 17815),

Gene: SlippinJimmy_23 Start: 18411, Stop: 19244, Start Num: 68

Candidate Starts for SlippinJimmy_23:

(Start: 68 @18411 has 8 MA's), (77, 18429), (Start: 101 @18486 has 332 MA's), (Start: 108 @18504 has 20 MA's), (161, 18624), (164, 18636), (197, 18720), (269, 18849), (273, 18867), (290, 18927), (304, 18984), (318, 19038), (335, 19119), (338, 19131), (344, 19149), (360, 19224),

Gene: Smarties_39 Start: 19895, Stop: 20809, Start Num: 74

Candidate Starts for Smarties_39:

(43, 19730), (61, 19847), (Start: 74 @19895 has 8 MA's), (Start: 81 @19910 has 1 MA's), (122, 20000), (125, 20006), (168, 20126), (230, 20279), (233, 20285), (256, 20357), (274, 20417), (296, 20495), (301, 20516), (303, 20531), (306, 20549), (308, 20555), (323, 20606), (341, 20696), (346, 20711), (356, 20750), (365, 20777),

Gene: SmokingBunny_23 Start: 15943, Stop: 16713, Start Num: 118

Candidate Starts for SmokingBunny_23:

(Start: 118 @15943 has 29 MA's), (136, 15985), (168, 16066), (175, 16090), (215, 16171), (258, 16246), (260, 16252), (265, 16273), (269, 16282), (278, 16321), (320, 16483), (354, 16633), (356, 16639), (376, 16696),

Gene: Soile_22 Start: 16784, Stop: 17521, Start Num: 101

Candidate Starts for Soile_22:

(Start: 101 @16784 has 332 MA's), (157, 16898), (158, 16904), (Start: 163 @16913 has 2 MA's), (164, 16922), (214, 17018), (258, 17090), (260, 17096), (263, 17108), (277, 17159), (301, 17240), (306, 17273), (308, 17279), (329, 17360), (330, 17372), (335, 17396), (342, 17423), (351, 17465), (359, 17498), (365, 17513),

Gene: Solosis_21 Start: 16789, Stop: 17526, Start Num: 101

Candidate Starts for Solosis_21:

(Start: 101 @16789 has 332 MA's), (157, 16903), (158, 16909), (Start: 163 @16918 has 2 MA's), (164, 16927), (214, 17023), (258, 17095), (260, 17101), (263, 17113), (277, 17164), (301, 17245), (306, 17278), (308, 17284), (329, 17365), (330, 17377), (335, 17401), (342, 17428), (351, 17470), (359, 17503), (365, 17518),

Gene: Soos_46 Start: 27088, Stop: 27834, Start Num: 111

Candidate Starts for Soos_46:

(Start: 101 @27064 has 332 MA's), (106, 27082), (Start: 111 @27088 has 39 MA's), (117, 27103), (173, 27238), (189, 27271), (191, 27274), (198, 27289), (203, 27295), (211, 27304), (351, 27754), (367, 27805),

Gene: Sophia_21 Start: 16782, Stop: 17519, Start Num: 101

Candidate Starts for Sophia_21:

(Start: 101 @16782 has 332 MA's), (157, 16896), (158, 16902), (Start: 163 @16911 has 2 MA's), (164, 16920), (214, 17016), (258, 17088), (260, 17094), (263, 17106), (277, 17157), (301, 17238), (306, 17271), (308, 17277), (329, 17358), (330, 17370), (335, 17394), (342, 17421), (351, 17463), (359, 17496), (365, 17511),

Gene: Soto_22 Start: 17066, Stop: 17803, Start Num: 101

Candidate Starts for Soto_22:

(Start: 101 @17066 has 332 MA's), (Start: 123 @17108 has 1 MA's), (157, 17180), (158, 17186), (Start: 163 @17195 has 2 MA's), (164, 17204), (214, 17300), (258, 17372), (260, 17378), (263, 17390), (277, 17441), (301, 17522), (306, 17555), (308, 17561), (329, 17642), (330, 17654), (335, 17678), (342, 17705), (359, 17780), (365, 17795),

Gene: Sour_23 Start: 19558, Stop: 20337, Start Num: 86

Candidate Starts for Sour_23:

(Start: 86 @19558 has 3 MA's), (Start: 101 @19588 has 332 MA's), (Start: 108 @19606 has 20 MA's), (Start: 118 @19621 has 29 MA's), (158, 19720), (161, 19726), (Start: 163 @19729 has 2 MA's), (256, 19906), (283, 19999), (303, 20071), (308, 20095), (330, 20188), (333, 20197), (335, 20212), (338, 20224), (346, 20251), (351, 20281), (363, 20326), (365, 20329),

Gene: Spartan300_22 Start: 17067, Stop: 17804, Start Num: 101

Candidate Starts for Spartan300_22:

(Start: 101 @17067 has 332 MA's), (157, 17181), (158, 17187), (Start: 163 @17196 has 2 MA's), (164, 17205), (214, 17301), (258, 17373), (260, 17379), (263, 17391), (277, 17442), (301, 17523), (306, 17556), (308, 17562), (329, 17643), (330, 17655), (335, 17679), (342, 17706), (359, 17781), (365, 17796),

Gene: Squash_33 Start: 21312, Stop: 22160, Start Num: 111

Candidate Starts for Squash_33:

(Start: 111 @21312 has 39 MA's), (137, 21375), (151, 21405), (171, 21468), (194, 21525), (199, 21537), (240, 21618), (273, 21726), (303, 21849), (306, 21867), (352, 22059), (358, 22086),

Gene: Squid_22 Start: 16779, Stop: 17516, Start Num: 101

Candidate Starts for Squid_22:

(Start: 101 @16779 has 332 MA's), (157, 16893), (158, 16899), (Start: 163 @16908 has 2 MA's), (164, 16917), (214, 17013), (258, 17085), (260, 17091), (263, 17103), (277, 17154), (301, 17235), (306, 17268), (308, 17274), (329, 17355), (330, 17367), (335, 17391), (342, 17418), (351, 17460), (359, 17493), (365, 17508),

Gene: Squiggle_22 Start: 16776, Stop: 17513, Start Num: 101

Candidate Starts for Squiggle_22:

(Start: 101 @16776 has 332 MA's), (157, 16890), (158, 16896), (Start: 163 @16905 has 2 MA's), (164, 16914), (214, 17010), (258, 17082), (260, 17088), (263, 17100), (277, 17151), (301, 17232), (306, 17265), (308, 17271), (329, 17352), (330, 17364), (335, 17388), (342, 17415), (351, 17457), (359, 17490), (365, 17505),

Gene: StAugustine_27 Start: 20056, Stop: 20868, Start Num: 99

Candidate Starts for StAugustine_27:

(99, 20056), (147, 20161), (155, 20179), (192, 20284), (195, 20290), (202, 20302), (215, 20332), (250, 20398), (303, 20605), (314, 20650), (333, 20731), (335, 20746), (341, 20767), (359, 20845),

Gene: Statler_33 Start: 21172, Stop: 22020, Start Num: 111

Candidate Starts for Statler_33:

(Start: 111 @21172 has 39 MA's), (137, 21235), (151, 21265), (171, 21328), (194, 21385), (199, 21397), (240, 21478), (273, 21586), (303, 21709), (306, 21727), (358, 21946),

Gene: Sting_49 Start: 27503, Stop: 28273, Start Num: 101

Candidate Starts for Sting_49:

(Start: 101 @27503 has 332 MA's), (106, 27521), (Start: 111 @27527 has 39 MA's), (117, 27542), (173, 27677), (189, 27710), (191, 27713), (203, 27734), (211, 27743), (351, 28193), (367, 28244),

Gene: Stinger_18 Start: 16220, Stop: 16960, Start Num: 101

Candidate Starts for Stinger_18:

(37, 15959), (39, 15965), (44, 16022), (45, 16025), (47, 16040), (49, 16064), (52, 16076), (53, 16088), (54, 16091), (56, 16100), (66, 16145), (Start: 101 @16220 has 332 MA's), (147, 16298), (158, 16331), (161, 16337), (175, 16385), (189, 16412), (258, 16529), (265, 16556), (273, 16583), (283, 16619), (303, 16694), (308, 16718), (322, 16766), (330, 16811), (335, 16835), (352, 16907), (356, 16919), (359, 16937), (365, 16952),

Gene: StinkyVeggy_24 Start: 17919, Stop: 18677, Start Num: 101

Candidate Starts for StinkyVeggy_24:

(Start: 101 @17919 has 332 MA's), (161, 18045), (173, 18087), (212, 18168), (236, 18192), (256, 18243), (273, 18300), (283, 18336), (293, 18366), (296, 18375), (308, 18435), (342, 18579), (351, 18621), (365, 18669),

Gene: StorminNorm_26 Start: 20050, Stop: 20817, Start Num: 115

Candidate Starts for StorminNorm_26:

(Start: 115 @20050 has 80 MA's), (136, 20098), (161, 20155), (164, 20167), (254, 20344), (273, 20404), (284, 20446), (303, 20524), (306, 20542), (317, 20578), (330, 20638), (347, 20704),

Gene: StrawberryJamm_33 Start: 20492, Stop: 21340, Start Num: 111

Candidate Starts for StrawberryJamm_33:

(Start: 111 @20492 has 39 MA's), (137, 20555), (151, 20585), (171, 20648), (194, 20705), (199, 20717), (240, 20798), (273, 20906), (303, 21029), (306, 21047), (352, 21239),

Gene: Struggle_21 Start: 16623, Stop: 17360, Start Num: 101

Candidate Starts for Struggle_21:

(Start: 101 @16623 has 332 MA's), (157, 16737), (158, 16743), (Start: 163 @16752 has 2 MA's), (164, 16761), (214, 16857), (258, 16929), (260, 16935), (263, 16947), (277, 16998), (301, 17079), (306, 17112), (308, 17118), (329, 17199), (330, 17211), (335, 17235), (342, 17262), (359, 17337), (365, 17352),

Gene: Stultus_25 Start: 20596, Stop: 21369, Start Num: 115

Candidate Starts for Stultus_25:

(Start: 115 @20596 has 80 MA's), (136, 20644), (175, 20749), (258, 20896), (284, 20992), (303, 21070), (306, 21088), (318, 21127), (347, 21250), (376, 21352),

Gene: Suffolk_22 Start: 17069, Stop: 17806, Start Num: 101

Candidate Starts for Suffolk_22:

(Start: 101 @17069 has 332 MA's), (157, 17183), (158, 17189), (Start: 163 @17198 has 2 MA's), (164, 17207), (214, 17303), (258, 17375), (260, 17381), (263, 17393), (277, 17444), (301, 17525), (306, 17558), (308, 17564), (329, 17645), (330, 17657), (335, 17681), (342, 17708), (351, 17750), (359, 17783), (365, 17798),

Gene: Suigeneris_22 Start: 17804, Stop: 18559, Start Num: 101

Candidate Starts for Suigeneris_22:

(50, 17639), (55, 17669), (60, 17690), (Start: 68 @17729 has 8 MA's), (Start: 101 @17804 has 332 MA's), (116, 17834), (141, 17882), (157, 17918), (161, 17930), (164, 17942), (173, 17972), (175, 17978), (186, 17999), (256, 18125), (269, 18164), (273, 18182), (283, 18218), (296, 18257), (308, 18317), (335, 18434), (338, 18446), (342, 18461), (351, 18503), (365, 18551),

Gene: Sunfish_36 Start: 19240, Stop: 20130, Start Num: 112

Candidate Starts for Sunfish_36:

(Start: 112 @19240 has 1 MA's), (120, 19261), (166, 19363), (208, 19453), (258, 19555), (274, 19612), (296, 19693), (299, 19702), (303, 19729), (317, 19783), (330, 19852), (335, 19876), (364, 19987), (366, 19990), (372, 20005),

Gene: Sunny_33 Start: 20136, Stop: 20972, Start Num: 108

Candidate Starts for Sunny_33:

(64, 20013), (Start: 108 @20136 has 20 MA's), (120, 20160), (157, 20250), (168, 20286), (171, 20295), (175, 20310), (223, 20418), (230, 20442), (233, 20448), (256, 20520), (265, 20550), (272, 20574), (274, 20580), (285, 20622), (296, 20658), (303, 20694), (306, 20712), (308, 20718), (323, 20769), (341, 20859), (346, 20874), (356, 20913), (365, 20940),

Gene: Surely_22 Start: 17081, Stop: 17818, Start Num: 101

Candidate Starts for Surely_22:

(Start: 101 @17081 has 332 MA's), (157, 17195), (158, 17201), (Start: 163 @17210 has 2 MA's), (164, 17219), (214, 17315), (258, 17387), (260, 17393), (263, 17405), (277, 17456), (301, 17537), (306, 17570), (308, 17576), (329, 17657), (330, 17669), (335, 17693), (342, 17720), (351, 17762), (359, 17795), (365, 17810),

Gene: Swiphy_23 Start: 17070, Stop: 17807, Start Num: 101

Candidate Starts for Swiphy_23:

(Start: 101 @17070 has 332 MA's), (157, 17184), (158, 17190), (Start: 163 @17199 has 2 MA's), (164, 17208), (214, 17304), (258, 17376), (260, 17382), (263, 17394), (277, 17445), (301, 17526), (306, 17559), (308, 17565), (329, 17646), (330, 17658), (335, 17682), (342, 17709), (359, 17784), (365, 17799),

Gene: Swish_22 Start: 17064, Stop: 17801, Start Num: 101

Candidate Starts for Swish_22:

(Start: 101 @17064 has 332 MA's), (157, 17178), (158, 17184), (Start: 163 @17193 has 2 MA's), (164, 17202), (214, 17298), (258, 17370), (260, 17376), (263, 17388), (277, 17439), (301, 17520), (306, 17553), (308, 17559), (329, 17640), (330, 17652), (335, 17676), (342, 17703), (351, 17745), (359, 17778), (365, 17793),

Gene: SynergyX_23 Start: 17722, Stop: 18480, Start Num: 101

Candidate Starts for SynergyX_23:

(Start: 68 @17647 has 8 MA's), (77, 17665), (Start: 101 @17722 has 332 MA's), (Start: 108 @17740 has 20 MA's), (161, 17860), (164, 17872), (197, 17956), (269, 18085), (273, 18103), (290, 18163), (304, 18220), (318, 18274), (335, 18355), (338, 18367), (344, 18385), (360, 18460),

Gene: TA17A_24 Start: 19127, Stop: 19912, Start Num: 89

Candidate Starts for TA17A_24:

(Start: 89 @19127 has 29 MA's), (136, 19238), (153, 19274), (Start: 159 @19295 has 3 MA's), (161, 19298), (175, 19346), (192, 19382), (258, 19484), (265, 19511), (269, 19520), (273, 19538), (279, 19559), (303, 19652), (308, 19676), (314, 19697), (329, 19754), (330, 19766), (331, 19769), (338, 19799), (350, 19850), (363, 19901),

Gene: TP1604_17 Start: 17740, Stop: 18600, Start Num: 115

Candidate Starts for TP1604_17:

(63, 17608), (Start: 115 @17740 has 80 MA's), (157, 17848), (226, 17995), (230, 18004), (238, 18019), (269, 18118), (271, 18124), (273, 18136), (274, 18139), (296, 18244), (299, 18253), (303, 18280), (310, 18313), (312, 18319), (335, 18424), (339, 18439), (344, 18454), (350, 18487), (356, 18508), (362, 18535), (365, 18541),

Gene: TPA2_28 Start: 17959, Stop: 18726, Start Num: 101

Candidate Starts for TPA2_28:

(Start: 101 @17959 has 332 MA's), (Start: 108 @17977 has 20 MA's), (126, 18007), (127, 18010), (164, 18109), (171, 18130), (211, 18214), (248, 18262), (256, 18292), (269, 18331), (273, 18349), (303, 18460), (338, 18613), (348, 18655), (351, 18670), (356, 18685),

Gene: Talia1610_84 Start: 51285, Stop: 51974, Start Num: 163

Candidate Starts for Talia1610_84:

(Start: 163 @51285 has 2 MA's), (255, 51483), (277, 51570), (280, 51582), (286, 51603), (292, 51621), (296, 51639), (307, 51696), (321, 51744), (326, 51759), (338, 51828), (339, 51831),

Gene: TallGrassMM_22 Start: 16796, Stop: 17533, Start Num: 101

Candidate Starts for TallGrassMM_22:

(Start: 101 @16796 has 332 MA's), (157, 16910), (158, 16916), (Start: 163 @16925 has 2 MA's), (164, 16934), (214, 17030), (258, 17102), (260, 17108), (263, 17120), (277, 17171), (301, 17252), (306, 17285), (308, 17291), (329, 17372), (330, 17384), (335, 17408), (342, 17435), (351, 17477), (359, 17510), (365, 17525),

Gene: Tangent_27 Start: 21039, Stop: 21806, Start Num: 115

Candidate Starts for Tangent_27:

(Start: 115 @21039 has 80 MA's), (136, 21087), (161, 21144), (175, 21192), (258, 21339), (273, 21393), (284, 21429), (303, 21507), (306, 21525), (318, 21564), (330, 21621), (347, 21687), (376, 21789),

Gene: Tangerine_26 Start: 20056, Stop: 20823, Start Num: 115

Candidate Starts for Tangerine_26:

(Start: 115 @20056 has 80 MA's), (136, 20104), (161, 20161), (164, 20173), (254, 20350), (273, 20410), (284, 20452), (303, 20530), (306, 20548), (317, 20584), (330, 20644), (347, 20710),

Gene: Tank_26 Start: 18308, Stop: 19024, Start Num: 149

Candidate Starts for Tank_26:

(Start: 149 @18308 has 12 MA's), (166, 18353), (179, 18395), (201, 18440), (207, 18449), (224, 18488), (237, 18515), (265, 18602), (279, 18653), (291, 18692), (317, 18779), (318, 18782), (327, 18812), (333, 18854), (341, 18893), (350, 18926), (365, 18980),

Gene: Taptic_16 Start: 16492, Stop: 17229, Start Num: 104

Candidate Starts for Taptic_16:

(Start: 104 @16492 has 8 MA's), (Start: 112 @16504 has 1 MA's), (Start: 163 @16627 has 2 MA's), (164, 16636), (185, 16693), (192, 16708), (200, 16723), (235, 16750), (248, 16771), (252, 16786), (256, 16801), (258, 16804), (267, 16834), (269, 16840), (272, 16855), (289, 16915), (303, 16969), (304, 16972), (311, 17005), (313, 17011), (314, 17014), (318, 17026), (330, 17083), (333, 17092), (335, 17107), (351, 17173), (356, 17188), (359, 17206), (365, 17221),

Gene: Tardus_27 Start: 20395, Stop: 21186, Start Num: 115

Candidate Starts for Tardus_27:

(Start: 115 @20395 has 80 MA's), (168, 20524), (209, 20620), (284, 20815), (293, 20845), (318, 20950), (330, 21007), (336, 21037), (347, 21073), (365, 21145),

Gene: Teamocil_32 Start: 17895, Stop: 18806, Start Num: 74

Candidate Starts for Teamocil_32:

(Start: 74 @17895 has 8 MA's), (Start: 79 @17907 has 4 MA's), (122, 17997), (168, 18123), (173, 18141), (175, 18147), (230, 18276), (273, 18411), (296, 18492), (301, 18513), (303, 18528), (306, 18546), (308, 18552), (323, 18603), (336, 18675), (341, 18693), (356, 18747), (365, 18774),

Gene: Teehee_32 Start: 21489, Stop: 22337, Start Num: 111

Candidate Starts for Teehee_32:

(Start: 111 @21489 has 39 MA's), (137, 21552), (151, 21582), (171, 21645), (194, 21702), (199, 21714), (240, 21795), (273, 21903), (303, 22026), (306, 22044), (352, 22236),

Gene: Telesworld_21 Start: 16775, Stop: 17512, Start Num: 101

Candidate Starts for Telesworld_21:

(Start: 101 @16775 has 332 MA's), (Start: 123 @16817 has 1 MA's), (157, 16889), (158, 16895), (Start: 163 @16904 has 2 MA's), (164, 16913), (214, 17009), (258, 17081), (260, 17087), (263, 17099), (277, 17150), (301, 17231), (306, 17264), (308, 17270), (329, 17351), (330, 17363), (335, 17387), (342, 17414), (359, 17489), (365, 17504),

Gene: Tempo_30 Start: 19664, Stop: 20509, Start Num: 111

Candidate Starts for Tempo_30:

(Start: 111 @19664 has 39 MA's), (137, 19730), (151, 19760), (194, 19880), (240, 19973), (270, 20066), (296, 20168), (297, 20171), (310, 20234), (352, 20405), (365, 20450),

Gene: Terij_27 Start: 17406, Stop: 18302, Start Num: 83

Candidate Starts for Terij_27:

(Start: 83 @17406 has 7 MA's), (91, 17433), (Start: 93 @17436 has 2 MA's), (109, 17469), (175, 17640), (230, 17763), (265, 17871), (269, 17880), (279, 17922), (285, 17943), (296, 17982), (309, 18048), (312, 18057), (365, 18267), (369, 18276),

Gene: Thing3_26 Start: 21526, Stop: 22299, Start Num: 115

Candidate Starts for Thing3_26:

(Start: 115 @21526 has 80 MA's), (136, 21574), (175, 21679), (258, 21826), (272, 21877), (284, 21922), (303, 22000), (306, 22018), (318, 22057), (330, 22114), (347, 22180), (376, 22282),

Gene: Thonko_21 Start: 15507, Stop: 16247, Start Num: 101

Candidate Starts for Thonko_21:

(Start: 101 @15507 has 332 MA's), (157, 15612), (158, 15618), (161, 15624), (175, 15672), (258, 15816), (265, 15843), (277, 15885), (283, 15906), (308, 16005), (317, 16035), (330, 16098), (359, 16224), (365, 16239),

Gene: Thora_22 Start: 17080, Stop: 17817, Start Num: 101

Candidate Starts for Thora_22:

(Start: 101 @17080 has 332 MA's), (157, 17194), (158, 17200), (Start: 163 @17209 has 2 MA's), (164, 17218), (214, 17314), (258, 17386), (260, 17392), (263, 17404), (277, 17455), (301, 17536), (306, 17569), (308, 17575), (329, 17656), (330, 17668), (335, 17692), (342, 17719), (351, 17761), (359, 17794), (365, 17809),

Gene: ThreeOh3D2_22 Start: 17079, Stop: 17816, Start Num: 101

Candidate Starts for ThreeOh3D2_22:

(Start: 101 @17079 has 332 MA's), (Start: 123 @17121 has 1 MA's), (157, 17193), (158, 17199), (Start: 163 @17208 has 2 MA's), (164, 17217), (214, 17313), (258, 17385), (260, 17391), (263, 17403), (277, 17454), (301, 17535), (306, 17568), (308, 17574), (329, 17655), (330, 17667), (335, 17691), (342, 17718), (351, 17760), (359, 17793), (365, 17808),

Gene: Thunderbird_21 Start: 16779, Stop: 17516, Start Num: 101

Candidate Starts for Thunderbird_21:

(Start: 101 @16779 has 332 MA's), (157, 16893), (158, 16899), (Start: 163 @16908 has 2 MA's), (164, 16917), (214, 17013), (258, 17085), (260, 17091), (263, 17103), (277, 17154), (301, 17235), (306, 17268), (308, 17274), (329, 17355), (330, 17367), (335, 17391), (342, 17418), (359, 17493), (365, 17508),

Gene: Tiamoceli_25 Start: 18819, Stop: 19616, Start Num: 115

Candidate Starts for Tiamoceli_25:

(Start: 115 @18819 has 80 MA's), (168, 18948), (175, 18972), (220, 19062), (222, 19065), (265, 19179), (302, 19323), (317, 19380), (320, 19389), (322, 19398), (347, 19506), (365, 19578), (367, 19581), (374, 19596),

Gene: TillyBobJoe_23 Start: 15727, Stop: 16497, Start Num: 118

Candidate Starts for TillyBobJoe_23:

(76, 15634), (Start: 118 @15727 has 29 MA's), (136, 15769), (168, 15850), (215, 15955), (258, 16030), (260, 16036), (265, 16057), (269, 16066), (278, 16105), (284, 16126), (320, 16267), (322, 16276), (354, 16417), (356, 16423), (376, 16480),

Gene: Timmi_21 Start: 16790, Stop: 17527, Start Num: 101

Candidate Starts for Timmi_21:

(Start: 101 @16790 has 332 MA's), (157, 16904), (158, 16910), (Start: 163 @16919 has 2 MA's), (164, 16928), (214, 17024), (258, 17096), (260, 17102), (263, 17114), (277, 17165), (301, 17246), (306, 17279), (308, 17285), (329, 17366), (330, 17378), (335, 17402), (342, 17429), (351, 17471), (359, 17504), (365, 17519),

Gene: Tinciduntolum_25 Start: 19249, Stop: 20034, Start Num: 89

Candidate Starts for Tinciduntolum_25:

(Start: 89 @19249 has 29 MA's), (136, 19360), (153, 19396), (Start: 159 @19417 has 3 MA's), (161, 19420), (175, 19468), (192, 19504), (258, 19606), (265, 19633), (269, 19642), (273, 19660), (279, 19681), (303, 19774), (308, 19798), (314, 19819), (329, 19876), (330, 19888), (331, 19891), (338, 19921), (350, 19972), (363, 20023),

Gene: Tissue_31 Start: 21009, Stop: 21857, Start Num: 111

Candidate Starts for Tissue_31:

(Start: 111 @21009 has 39 MA's), (137, 21072), (151, 21102), (171, 21165), (194, 21222), (199, 21234), (240, 21315), (273, 21423), (303, 21546), (306, 21564), (352, 21756),

Gene: Togo_23 Start: 15943, Stop: 16713, Start Num: 118

Candidate Starts for Togo_23:

(Start: 118 @15943 has 29 MA's), (136, 15985), (168, 16066), (175, 16090), (215, 16171), (258, 16246), (260, 16252), (265, 16273), (269, 16282), (278, 16321), (320, 16483), (354, 16633), (356, 16639), (376, 16696),

Gene: TomBombadil_22 Start: 17075, Stop: 17812, Start Num: 101

Candidate Starts for TomBombadil_22:

(Start: 101 @17075 has 332 MA's), (157, 17189), (158, 17195), (Start: 163 @17204 has 2 MA's), (164, 17213), (214, 17309), (258, 17381), (260, 17387), (263, 17399), (277, 17450), (301, 17531), (306, 17564), (308, 17570), (329, 17651), (330, 17663), (335, 17687), (342, 17714), (351, 17756), (359, 17789), (365, 17804),

Gene: Tomlarah_22 Start: 17065, Stop: 17802, Start Num: 101

Candidate Starts for Tomlarah_22:

(Start: 101 @17065 has 332 MA's), (Start: 123 @17107 has 1 MA's), (157, 17179), (158, 17185), (Start: 163 @17194 has 2 MA's), (164, 17203), (214, 17299), (258, 17371), (260, 17377), (263, 17389), (277, 17440), (301, 17521), (306, 17554), (308, 17560), (329, 17641), (330, 17653), (335, 17677), (342, 17704), (359, 17779), (365, 17794),

Gene: Toni_21 Start: 16774, Stop: 17511, Start Num: 101

Candidate Starts for Toni_21:

(Start: 101 @16774 has 332 MA's), (Start: 123 @16816 has 1 MA's), (157, 16888), (158, 16894), (Start: 163 @16903 has 2 MA's), (164, 16912), (214, 17008), (258, 17080), (260, 17086), (263, 17098), (277, 17149), (301, 17230), (306, 17263), (308, 17269), (329, 17350), (330, 17362), (335, 17386), (342, 17413), (351, 17455), (359, 17488), (365, 17503),

Gene: Tonitrus_37 Start: 25747, Stop: 26508, Start Num: 114

Candidate Starts for Tonitrus_37:

(70, 25648), (Start: 114 @25747 has 1 MA's), (148, 25819), (158, 25849), (161, 25855), (173, 25897), (189, 25930), (211, 25963), (217, 25975), (236, 25990), (244, 26002), (258, 26044), (264, 26065), (269, 26080), (273, 26098), (314, 26257), (350, 26413), (353, 26425),

Gene: Tooj_22 Start: 17076, Stop: 17813, Start Num: 101

Candidate Starts for Tooj_22:

(Start: 101 @17076 has 332 MA's), (Start: 123 @17118 has 1 MA's), (157, 17190), (158, 17196), (Start: 163 @17205 has 2 MA's), (164, 17214), (214, 17310), (258, 17382), (260, 17388), (263, 17400), (277, 17451), (301, 17532), (306, 17565), (308, 17571), (329, 17652), (330, 17664), (335, 17688), (342, 17715), (359, 17790), (365, 17805),

Gene: Tres_24 Start: 19130, Stop: 19915, Start Num: 89

Candidate Starts for Tres_24:

(Start: 89 @19130 has 29 MA's), (136, 19241), (153, 19277), (Start: 159 @19298 has 3 MA's), (161, 19301), (175, 19349), (192, 19385), (258, 19487), (265, 19514), (269, 19523), (273, 19541), (279, 19562), (303, 19655), (308, 19679), (314, 19700), (329, 19757), (330, 19769), (331, 19772), (338, 19802), (350, 19853), (363, 19904),

Gene: True_21 Start: 16778, Stop: 17515, Start Num: 101

Candidate Starts for True_21:

(Start: 101 @16778 has 332 MA's), (157, 16892), (158, 16898), (Start: 163 @16907 has 2 MA's), (164, 16916), (214, 17012), (258, 17084), (260, 17090), (263, 17102), (277, 17153), (301, 17234), (306, 17267), (308, 17273), (329, 17354), (330, 17366), (335, 17390), (342, 17417), (359, 17492), (365, 17507),

Gene: Trypo_22 Start: 17067, Stop: 17804, Start Num: 101

Candidate Starts for Trypo_22:

(Start: 101 @17067 has 332 MA's), (157, 17181), (158, 17187), (Start: 163 @17196 has 2 MA's), (164, 17205), (214, 17301), (258, 17373), (260, 17379), (263, 17391), (277, 17442), (301, 17523), (306, 17556), (308, 17562), (329, 17643), (330, 17655), (335, 17679), (342, 17706), (359, 17781), (365, 17796),

Gene: TurkishDelight_23 Start: 20012, Stop: 20827, Start Num: 115

Candidate Starts for TurkishDelight_23:

(Start: 115 @20012 has 80 MA's), (131, 20048), (139, 20066), (150, 20090), (167, 20141), (173, 20162), (175, 20168), (188, 20201), (226, 20252), (263, 20357), (265, 20366), (267, 20369), (281, 20420), (288, 20441), (296, 20480), (303, 20516), (315, 20564), (319, 20576), (333, 20648), (335, 20663), (336, 20669), (350, 20726), (351, 20732), (354, 20741), (356, 20747), (365, 20780),

Gene: Twister6_25 Start: 16370, Stop: 17140, Start Num: 118

Candidate Starts for Twister6_25:

(Start: 118 @16370 has 29 MA's), (136, 16412), (168, 16493), (175, 16517), (215, 16598), (258, 16673), (260, 16679), (265, 16700), (269, 16709), (278, 16748), (320, 16910), (354, 17060), (356, 17066), (376, 17123),

Gene: Twonlo_22 Start: 17437, Stop: 18234, Start Num: 115

Candidate Starts for Twonlo_22:

(Start: 115 @17437 has 80 MA's), (144, 17497), (158, 17536), (164, 17554), (168, 17566), (175, 17590), (220, 17680), (222, 17683), (265, 17797), (267, 17800), (269, 17806), (302, 17941), (317, 17998), (320, 18007), (322, 18016), (347, 18124), (365, 18196), (367, 18199), (374, 18214),

Gene: Tycho_26 Start: 20145, Stop: 20912, Start Num: 115

Candidate Starts for Tycho_26:

(Start: 115 @20145 has 80 MA's), (136, 20193), (161, 20250), (164, 20262), (254, 20439), (273, 20499), (284, 20541), (303, 20619), (306, 20637), (317, 20673), (330, 20733), (347, 20799),

Gene: Tydolla_23 Start: 18384, Stop: 19217, Start Num: 68

Candidate Starts for Tydolla_23:

(Start: 68 @18384 has 8 MA's), (77, 18402), (Start: 101 @18459 has 332 MA's), (Start: 108 @18477 has 20 MA's), (161, 18597), (164, 18609), (197, 18693), (269, 18822), (273, 18840), (290, 18900), (304, 18957), (318, 19011), (335, 19092), (338, 19104), (344, 19122), (360, 19197),

Gene: TyrionL_21 Start: 16631, Stop: 17368, Start Num: 101

Candidate Starts for TyrionL_21:

(Start: 101 @16631 has 332 MA's), (Start: 123 @16673 has 1 MA's), (157, 16745), (158, 16751), (Start: 163 @16760 has 2 MA's), (164, 16769), (214, 16865), (258, 16937), (260, 16943), (263, 16955), (277, 17006), (301, 17087), (306, 17120), (308, 17126), (329, 17207), (330, 17219), (335, 17243), (342, 17270), (359, 17345), (365, 17360),

Gene: Tyrumbra_29 Start: 17116, Stop: 18027, Start Num: 74

Candidate Starts for Tyrumbra_29:

(Start: 74 @17116 has 8 MA's), (122, 17218), (168, 17344), (171, 17353), (173, 17362), (230, 17497), (233, 17503), (289, 17692), (296, 17713), (301, 17734), (303, 17749), (306, 17767), (308, 17773), (323, 17824), (336, 17896), (341, 17914), (356, 17968), (365, 17995),

Gene: UAch1_22 Start: 17087, Stop: 17824, Start Num: 101

Candidate Starts for UAch1_22:

(Start: 101 @17087 has 332 MA's), (Start: 123 @17129 has 1 MA's), (157, 17201), (158, 17207), (Start: 163 @17216 has 2 MA's), (164, 17225), (214, 17321), (258, 17393), (260, 17399), (263, 17411), (277, 17462), (301, 17543), (306, 17576), (308, 17582), (329, 17663), (330, 17675), (335, 17699), (342, 17726), (359, 17801), (365, 17816),

Gene: UncleHowie_22 Start: 16777, Stop: 17514, Start Num: 101

Candidate Starts for UncleHowie_22:

(Start: 101 @16777 has 332 MA's), (Start: 123 @16819 has 1 MA's), (157, 16891), (158, 16897), (Start: 163 @16906 has 2 MA's), (164, 16915), (214, 17011), (258, 17083), (260, 17089), (263, 17101), (277, 17152), (301, 17233), (306, 17266), (308, 17272), (329, 17353), (330, 17365), (335, 17389), (342, 17416), (359, 17491), (365, 17506),

Gene: Usavi_22 Start: 17078, Stop: 17815, Start Num: 101

Candidate Starts for Usavi_22:

(Start: 101 @17078 has 332 MA's), (157, 17192), (158, 17198), (Start: 163 @17207 has 2 MA's), (164, 17216), (214, 17312), (258, 17384), (260, 17390), (263, 17402), (277, 17453), (301, 17534), (306, 17567), (308, 17573), (329, 17654), (330, 17666), (335, 17690), (342, 17717), (359, 17792), (365, 17807),

Gene: Vaishali24_21 Start: 16731, Stop: 17468, Start Num: 101

Candidate Starts for Vaishali24_21:

(Start: 101 @16731 has 332 MA's), (157, 16845), (158, 16851), (Start: 163 @16860 has 2 MA's), (164, 16869), (214, 16965), (258, 17037), (260, 17043), (263, 17055), (277, 17106), (301, 17187), (306, 17220), (308, 17226), (330, 17319), (335, 17343), (342, 17370), (359, 17445), (365, 17460),

Gene: Valary_26 Start: 16867, Stop: 17637, Start Num: 118

Candidate Starts for Valary_26:

(Start: 118 @16867 has 29 MA's), (136, 16909), (168, 16990), (215, 17095), (258, 17170), (260, 17176), (265, 17197), (269, 17206), (284, 17266), (320, 17407), (322, 17416), (336, 17488), (354, 17557), (356, 17563), (376, 17620),

Gene: Valjean_22 Start: 17070, Stop: 17807, Start Num: 101

Candidate Starts for Valjean_22:

(Start: 101 @17070 has 332 MA's), (157, 17184), (158, 17190), (Start: 163 @17199 has 2 MA's), (164, 17208), (214, 17304), (258, 17376), (260, 17382), (263, 17394), (277, 17445), (301, 17526), (306, 17559), (308, 17565), (329, 17646), (330, 17658), (335, 17682), (342, 17709), (359, 17784), (365, 17799),

Gene: VanDeWege_26 Start: 16751, Stop: 17521, Start Num: 118

Candidate Starts for VanDeWege_26:

(Start: 118 @16751 has 29 MA's), (136, 16793), (168, 16874), (175, 16898), (215, 16979), (258, 17054), (260, 17060), (265, 17081), (269, 17090), (278, 17129), (320, 17291), (354, 17441), (356, 17447), (376, 17504),

Gene: Vaticameos_22 Start: 16768, Stop: 17505, Start Num: 101

Candidate Starts for Vaticameos_22:

(Start: 101 @16768 has 332 MA's), (Start: 123 @16810 has 1 MA's), (157, 16882), (158, 16888), (Start: 163 @16897 has 2 MA's), (164, 16906), (214, 17002), (258, 17074), (260, 17080), (263, 17092), (277, 17143), (301, 17224), (306, 17257), (308, 17263), (329, 17344), (330, 17356), (335, 17380), (342, 17407), (359, 17482), (365, 17497),

Gene: Veritas_21 Start: 16617, Stop: 17354, Start Num: 101

Candidate Starts for Veritas_21:

(Start: 101 @16617 has 332 MA's), (157, 16731), (158, 16737), (Start: 163 @16746 has 2 MA's), (164, 16755), (214, 16851), (258, 16923), (260, 16929), (263, 16941), (277, 16992), (301, 17073), (306, 17106), (308, 17112), (329, 17193), (330, 17205), (335, 17229), (342, 17256), (359, 17331), (365, 17346),

Gene: Verity_26 Start: 21299, Stop: 22135, Start Num: 92

Candidate Starts for Verity_26:

(Start: 92 @21299 has 2 MA's), (Start: 115 @21344 has 80 MA's), (152, 21422), (168, 21473), (198, 21548), (209, 21569), (270, 21707), (284, 21764), (293, 21794), (318, 21899), (330, 21956), (336, 21986), (347, 22022), (354, 22055), (365, 22094),

Gene: ViaConlectus_26 Start: 19736, Stop: 20527, Start Num: 115

Candidate Starts for ViaConlectus_26:

(Start: 115 @19736 has 80 MA's), (168, 19865), (209, 19961), (284, 20156), (293, 20186), (318, 20291), (330, 20348), (336, 20378), (347, 20414), (354, 20447), (365, 20486),

Gene: Vic9_25 Start: 19572, Stop: 20357, Start Num: 89

Candidate Starts for Vic9_25:

(Start: 89 @19572 has 29 MA's), (136, 19683), (153, 19719), (Start: 159 @19740 has 3 MA's), (161, 19743), (175, 19791), (192, 19827), (258, 19929), (265, 19956), (269, 19965), (273, 19983), (279, 20004), (303, 20097), (308, 20121), (314, 20142), (329, 20199), (330, 20211), (331, 20214), (338, 20244), (350, 20295), (363, 20346),

Gene: Viceroy_30 Start: 20255, Stop: 21103, Start Num: 111

Candidate Starts for Viceroy_30:

(Start: 111 @20255 has 39 MA's), (137, 20318), (151, 20348), (171, 20411), (194, 20468), (199, 20480), (240, 20561), (273, 20669), (303, 20792), (306, 20810), (352, 21002),

Gene: Vincenzo_21 Start: 18471, Stop: 19205, Start Num: 101

Candidate Starts for Vincenzo_21:

(59, 18354), (Start: 101 @18471 has 332 MA's), (147, 18549), (161, 18588), (175, 18636), (186, 18657), (272, 18825), (283, 18864), (293, 18894), (303, 18939), (308, 18963), (352, 19152), (359, 19182), (365, 19197),

Gene: VioletZ_20 Start: 17748, Stop: 18491, Start Num: 101

Candidate Starts for VioletZ_20:

(58, 17643), (Start: 96 @17739 has 1 MA's), (Start: 101 @17748 has 332 MA's), (158, 17859), (161, 17865), (175, 17913), (252, 18042), (265, 18087), (273, 18114), (280, 18138), (283, 18150), (293, 18180), (303, 18225), (308, 18249), (342, 18393), (352, 18438), (356, 18450), (359, 18468), (365, 18483),

Gene: Virapocalypse_22 Start: 17061, Stop: 17798, Start Num: 101

Candidate Starts for Virapocalypse_22:

(Start: 101 @17061 has 332 MA's), (157, 17175), (158, 17181), (Start: 163 @17190 has 2 MA's), (164, 17199), (214, 17295), (258, 17367), (260, 17373), (263, 17385), (277, 17436), (301, 17517), (306, 17550), (308, 17556), (329, 17637), (330, 17649), (335, 17673), (342, 17700), (351, 17742), (359, 17775), (365, 17790),

Gene: Virgeve_21 Start: 16783, Stop: 17520, Start Num: 101

Candidate Starts for Virgeve_21:

(Start: 101 @16783 has 332 MA's), (157, 16897), (158, 16903), (Start: 163 @16912 has 2 MA's), (164, 16921), (214, 17017), (258, 17089), (260, 17095), (263, 17107), (277, 17158), (301, 17239), (306, 17272), (308, 17278), (329, 17359), (330, 17371), (335, 17395), (342, 17422), (359, 17497), (365,

17512),

Gene: Vista_22 Start: 17075, Stop: 17812, Start Num: 101

Candidate Starts for Vista_22:

(Start: 101 @17075 has 332 MA's), (157, 17189), (158, 17195), (Start: 163 @17204 has 2 MA's), (164, 17213), (214, 17309), (258, 17381), (260, 17387), (263, 17399), (277, 17450), (301, 17531), (306, 17564), (308, 17570), (329, 17651), (330, 17663), (335, 17687), (342, 17714), (351, 17756), (359, 17789), (365, 17804),

Gene: Vivaldi_22 Start: 17105, Stop: 17842, Start Num: 101

Candidate Starts for Vivaldi_22:

(Start: 101 @17105 has 332 MA's), (Start: 123 @17147 has 1 MA's), (157, 17219), (158, 17225), (Start: 163 @17234 has 2 MA's), (164, 17243), (214, 17339), (258, 17411), (260, 17417), (263, 17429), (277, 17480), (301, 17561), (306, 17594), (308, 17600), (329, 17681), (330, 17693), (335, 17717), (342, 17744), (359, 17819), (365, 17834),

Gene: Vivi2_29 Start: 22212, Stop: 22979, Start Num: 115

Candidate Starts for Vivi2_29:

(Start: 115 @22212 has 80 MA's), (136, 22260), (161, 22317), (175, 22365), (258, 22512), (273, 22566), (284, 22602), (303, 22680), (306, 22698), (318, 22737), (330, 22794), (347, 22860), (376, 22962),

Gene: Vortex_22 Start: 16785, Stop: 17522, Start Num: 101

Candidate Starts for Vortex_22:

(Start: 101 @16785 has 332 MA's), (157, 16899), (158, 16905), (Start: 163 @16914 has 2 MA's), (164, 16923), (214, 17019), (258, 17091), (260, 17097), (263, 17109), (277, 17160), (301, 17241), (306, 17274), (308, 17280), (329, 17361), (330, 17373), (335, 17397), (342, 17424), (359, 17499), (365, 17514),

Gene: Waleliano_20 Start: 17693, Stop: 18436, Start Num: 101

Candidate Starts for Waleliano_20:

(Start: 101 @17693 has 332 MA's), (158, 17804), (161, 17810), (175, 17858), (252, 17987), (265, 18032), (273, 18059), (280, 18083), (283, 18095), (293, 18125), (303, 18170), (308, 18194), (335, 18311), (342, 18338), (352, 18383), (356, 18395), (359, 18413), (365, 18428),

Gene: Wallhey_21 Start: 16635, Stop: 17372, Start Num: 101

Candidate Starts for Wallhey_21:

(Start: 101 @16635 has 332 MA's), (157, 16749), (158, 16755), (Start: 163 @16764 has 2 MA's), (164, 16773), (214, 16869), (258, 16941), (260, 16947), (263, 16959), (277, 17010), (301, 17091), (306, 17124), (308, 17130), (329, 17211), (330, 17223), (335, 17247), (342, 17274), (359, 17349), (365, 17364),

Gene: Waterdiva_22 Start: 17070, Stop: 17807, Start Num: 101

Candidate Starts for Waterdiva_22:

(Start: 101 @17070 has 332 MA's), (Start: 123 @17112 has 1 MA's), (157, 17184), (158, 17190), (Start: 163 @17199 has 2 MA's), (164, 17208), (214, 17304), (258, 17376), (260, 17382), (263, 17394), (277, 17445), (301, 17526), (306, 17559), (308, 17565), (329, 17646), (330, 17658), (335, 17682), (342, 17709), (359, 17784), (365, 17799),

Gene: Wayne3_32 Start: 21252, Stop: 22100, Start Num: 111

Candidate Starts for Wayne3_32:

(Start: 111 @21252 has 39 MA's), (137, 21315), (151, 21345), (171, 21408), (194, 21465), (199, 21477), (240, 21558), (273, 21666), (303, 21789), (306, 21807), (352, 21999),

Gene: Weher20_22 Start: 17063, Stop: 17800, Start Num: 101

Candidate Starts for Weher20_22:

(Start: 101 @17063 has 332 MA's), (157, 17177), (158, 17183), (Start: 163 @17192 has 2 MA's), (164, 17201), (214, 17297), (258, 17369), (260, 17375), (263, 17387), (277, 17438), (301, 17519), (306, 17552), (308, 17558), (329, 17639), (330, 17651), (335, 17675), (342, 17702), (359, 17777), (365, 17792),

Gene: West99_24 Start: 19250, Stop: 20035, Start Num: 89

Candidate Starts for West99_24:

(Start: 89 @19250 has 29 MA's), (136, 19361), (153, 19397), (Start: 159 @19418 has 3 MA's), (161, 19421), (175, 19469), (192, 19505), (258, 19607), (265, 19634), (269, 19643), (273, 19661), (279, 19682), (303, 19775), (308, 19799), (314, 19820), (329, 19877), (330, 19889), (331, 19892), (338, 19922), (350, 19973), (363, 20024),

Gene: Wheelie_30 Start: 20570, Stop: 21418, Start Num: 111

Candidate Starts for Wheelie_30:

(Start: 111 @20570 has 39 MA's), (137, 20633), (151, 20663), (171, 20726), (194, 20783), (199, 20795), (240, 20876), (273, 20984), (303, 21107), (306, 21125), (352, 21317),

Gene: Wilca_30 Start: 19479, Stop: 20336, Start Num: 103

Candidate Starts for Wilca_30:

(103, 19479), (Start: 111 @19494 has 39 MA's), (137, 19560), (151, 19590), (194, 19710), (240, 19803), (270, 19896), (296, 19998), (303, 20031), (310, 20064), (340, 20187), (352, 20235), (365, 20280),

Gene: Wilde_26 Start: 18237, Stop: 18953, Start Num: 149

Candidate Starts for Wilde_26:

(Start: 149 @18237 has 12 MA's), (166, 18282), (179, 18324), (201, 18369), (207, 18378), (224, 18417), (237, 18444), (265, 18531), (279, 18582), (291, 18621), (303, 18654), (317, 18708), (318, 18711), (327, 18741), (333, 18783), (341, 18822), (350, 18855), (358, 18891), (365, 18909),

Gene: Windsor_21 Start: 16738, Stop: 17475, Start Num: 101

Candidate Starts for Windsor_21:

(Start: 101 @16738 has 332 MA's), (157, 16852), (158, 16858), (Start: 163 @16867 has 2 MA's), (164, 16876), (214, 16972), (258, 17044), (260, 17050), (263, 17062), (277, 17113), (301, 17194), (306, 17227), (308, 17233), (329, 17314), (330, 17326), (335, 17350), (342, 17377), (351, 17419), (359, 17452), (365, 17467),

Gene: Wizard_23 Start: 16077, Stop: 16847, Start Num: 118

Candidate Starts for Wizard_23:

(76, 15984), (Start: 118 @16077 has 29 MA's), (136, 16119), (168, 16200), (215, 16305), (258, 16380), (260, 16386), (265, 16407), (269, 16416), (278, 16455), (284, 16476), (320, 16617), (322, 16626), (354, 16767), (356, 16773), (376, 16830),

Gene: Wooper_21 Start: 16985, Stop: 17728, Start Num: 88

Candidate Starts for Wooper_21:

(Start: 88 @16985 has 6 MA's), (Start: 101 @17009 has 332 MA's), (Start: 108 @17027 has 20 MA's), (Start: 123 @17051 has 1 MA's), (150, 17084), (157, 17105), (158, 17111), (164, 17129), (171, 17150), (211, 17219), (214, 17225), (273, 17354), (305, 17474), (351, 17672), (356, 17687), (359, 17705),

Gene: Xavier_21 Start: 16788, Stop: 17525, Start Num: 101

Candidate Starts for Xavier_21:

(Start: 101 @16788 has 332 MA's), (Start: 123 @16830 has 1 MA's), (157, 16902), (158, 16908), (Start: 163 @16917 has 2 MA's), (164, 16926), (214, 17022), (258, 17094), (260, 17100), (263, 17112), (277, 17163), (301, 17244), (306, 17277), (308, 17283), (329, 17364), (330, 17376), (335, 17400), (342, 17427), (351, 17469), (359, 17502), (365, 17517),

Gene: Xincheng_19 Start: 17148, Stop: 17891, Start Num: 101

Candidate Starts for Xincheng_19:

(14, 16626), (21, 16740), (80, 17106), (Start: 101 @17148 has 332 MA's), (158, 17259), (161, 17265), (175, 17313), (252, 17442), (258, 17460), (265, 17487), (273, 17514), (283, 17550), (293, 17580), (303, 17625), (308, 17649), (342, 17793), (352, 17838), (356, 17850), (359, 17868), (365, 17883),

Gene: Xkcd426_23 Start: 25110, Stop: 25982, Start Num: 115

Candidate Starts for Xkcd426_23:

(Start: 115 @25110 has 80 MA's), (Start: 123 @25128 has 1 MA's), (136, 25167), (173, 25275), (175, 25281), (230, 25386), (238, 25401), (260, 25470), (267, 25494), (273, 25518), (274, 25521), (296, 25626), (303, 25662), (308, 25686), (329, 25764), (335, 25806), (350, 25869), (356, 25890), (362, 25917), (365, 25923), (367, 25926),

Gene: YDN12_18 Start: 17676, Stop: 18536, Start Num: 115

Candidate Starts for YDN12_18:

(9, 17064), (17, 17199), (21, 17235), (27, 17280), (40, 17406), (42, 17418), (87, 17619), (Start: 115 @17676 has 80 MA's), (226, 17931), (230, 17940), (238, 17955), (263, 18036), (269, 18054), (271, 18060), (273, 18072), (274, 18075), (285, 18117), (296, 18180), (299, 18189), (303, 18216), (310, 18249), (335, 18360), (339, 18375), (344, 18390), (350, 18423), (362, 18471), (365, 18477),

Gene: Yago84_19 Start: 15903, Stop: 16631, Start Num: 108

Candidate Starts for Yago84_19:

(31, 15561), (51, 15747), (Start: 86 @15855 has 3 MA's), (Start: 101 @15885 has 332 MA's), (Start: 108 @15903 has 20 MA's), (148, 15987), (Start: 163 @16026 has 2 MA's), (196, 16104), (269, 16239), (272, 16254), (274, 16260), (283, 16293), (330, 16482), (333, 16491), (335, 16506), (338, 16518), (351, 16575), (359, 16608), (363, 16620), (365, 16623),

Gene: Yahalom_23 Start: 17749, Stop: 18489, Start Num: 108

Candidate Starts for Yahalom_23:

(Start: 68 @17656 has 8 MA's), (77, 17674), (Start: 101 @17731 has 332 MA's), (Start: 108 @17749 has 20 MA's), (161, 17869), (197, 17965), (273, 18112), (290, 18172), (304, 18229), (318, 18283), (335, 18364), (338, 18376), (344, 18394), (360, 18469),

Gene: Yeti_31 Start: 17991, Stop: 18905, Start Num: 72

Candidate Starts for Yeti_31:

(Start: 72 @17991 has 29 MA's), (Start: 79 @18003 has 4 MA's), (122, 18093), (173, 18237), (221, 18345), (230, 18372), (233, 18378), (273, 18507), (296, 18591), (323, 18702), (336, 18774), (341, 18792), (356, 18846),

Gene: Yinz_23 Start: 17760, Stop: 18518, Start Num: 101

Candidate Starts for Yinz_23:

(Start: 68 @17685 has 8 MA's), (77, 17703), (Start: 101 @17760 has 332 MA's), (Start: 108 @17778 has 20 MA's), (161, 17898), (164, 17910), (197, 17994), (269, 18123), (273, 18141), (290, 18201), (304, 18258), (318, 18312), (335, 18393), (338, 18405), (344, 18423), (360, 18498),

Gene: YorkOnyx_27 Start: 20413, Stop: 21180, Start Num: 115

Candidate Starts for YorkOnyx_27:

(Start: 115 @20413 has 80 MA's), (136, 20461), (161, 20518), (164, 20530), (254, 20707), (273, 20767), (284, 20809), (303, 20887), (306, 20905), (317, 20941), (330, 21001), (347, 21067), (373, 21160),

Gene: Yoshand_22 Start: 17077, Stop: 17814, Start Num: 101

Candidate Starts for Yoshand_22:

(Start: 101 @17077 has 332 MA's), (157, 17191), (158, 17197), (Start: 163 @17206 has 2 MA's), (164, 17215), (214, 17311), (258, 17383), (260, 17389), (263, 17401), (277, 17452), (301, 17533), (306, 17566), (308, 17572), (329, 17653), (330, 17665), (335, 17689), (342, 17716), (351, 17758), (359, 17791), (365, 17806),

Gene: YouGoGlencoco_22 Start: 17066, Stop: 17803, Start Num: 101

Candidate Starts for YouGoGlencoco_22:

(Start: 101 @17066 has 332 MA's), (157, 17180), (158, 17186), (Start: 163 @17195 has 2 MA's), (164, 17204), (214, 17300), (258, 17372), (260, 17378), (263, 17390), (277, 17441), (301, 17522), (306, 17555), (308, 17561), (329, 17642), (330, 17654), (335, 17678), (342, 17705), (351, 17747), (359, 17780), (365, 17795),

Gene: YungMoney_25 Start: 17365, Stop: 18135, Start Num: 118

Candidate Starts for YungMoney_25:

(Start: 118 @17365 has 29 MA's), (168, 17488), (175, 17512), (258, 17668), (260, 17674), (269, 17704), (354, 18055), (376, 18118),

Gene: Zagie_31 Start: 20693, Stop: 21541, Start Num: 111

Candidate Starts for Zagie_31:

(Start: 111 @20693 has 39 MA's), (137, 20756), (151, 20786), (171, 20849), (194, 20906), (199, 20918), (240, 20999), (273, 21107), (303, 21230), (306, 21248), (352, 21440),

Gene: Zaider_23 Start: 17302, Stop: 18039, Start Num: 101

Candidate Starts for Zaider_23:

(Start: 101 @17302 has 332 MA's), (157, 17416), (158, 17422), (Start: 163 @17431 has 2 MA's), (164, 17440), (214, 17536), (258, 17608), (260, 17614), (263, 17626), (277, 17677), (301, 17758), (306, 17791), (308, 17797), (329, 17878), (330, 17890), (335, 17914), (342, 17941), (351, 17983), (359, 18016), (365, 18031),

Gene: Zelda_22 Start: 17071, Stop: 17808, Start Num: 101

Candidate Starts for Zelda_22:

(Start: 101 @17071 has 332 MA's), (Start: 123 @17113 has 1 MA's), (157, 17185), (158, 17191), (Start: 163 @17200 has 2 MA's), (164, 17209), (214, 17305), (258, 17377), (260, 17383), (263, 17395), (277, 17446), (301, 17527), (306, 17560), (308, 17566), (329, 17647), (330, 17659), (335, 17683), (342, 17710), (359, 17785), (365, 17800),

Gene: Zemanar_21 Start: 17693, Stop: 18436, Start Num: 101

Candidate Starts for Zemanar_21:

(Start: 101 @17693 has 332 MA's), (158, 17804), (161, 17810), (175, 17858), (252, 17987), (265, 18032), (273, 18059), (280, 18083), (283, 18095), (293, 18125), (303, 18170), (308, 18194), (335, 18311), (342, 18338), (352, 18383), (356, 18395), (359, 18413), (365, 18428),

Gene: Zenteno07_26 Start: 17503, Stop: 18252, Start Num: 101

Candidate Starts for Zenteno07_26:

(Start: 101 @17503 has 332 MA's), (Start: 123 @17545 has 1 MA's), (Start: 163 @17632 has 2 MA's), (205, 17725), (269, 17854), (273, 17872), (279, 17893), (303, 17983), (308, 18007), (330, 18103), (342, 18154), (365, 18244),

Gene: Zhafia_34 Start: 21048, Stop: 21896, Start Num: 111

Candidate Starts for Zhafia_34:

(Start: 111 @21048 has 39 MA's), (137, 21111), (151, 21141), (171, 21204), (194, 21261), (199, 21273), (240, 21354), (273, 21462), (303, 21585), (306, 21603), (352, 21795),

Gene: Zipp_26 Start: 21241, Stop: 22032, Start Num: 115

Candidate Starts for Zipp_26:

(Start: 115 @21241 has 80 MA's), (168, 21370), (209, 21466), (270, 21604), (284, 21661), (293, 21691), (318, 21796), (330, 21853), (336, 21883), (347, 21919), (354, 21952), (365, 21991),

Gene: Zitch_27 Start: 19017, Stop: 19808, Start Num: 115

Candidate Starts for Zitch_27:

(Start: 115 @19017 has 80 MA's), (168, 19146), (209, 19242), (284, 19437), (293, 19467), (318, 19572), (330, 19629), (336, 19659), (347, 19695), (354, 19728), (365, 19767),

Gene: Zonia_22 Start: 17085, Stop: 17822, Start Num: 101

Candidate Starts for Zonia_22:

(Start: 101 @17085 has 332 MA's), (157, 17199), (158, 17205), (Start: 163 @17214 has 2 MA's), (164, 17223), (214, 17319), (258, 17391), (260, 17397), (263, 17409), (277, 17460), (301, 17541), (306, 17574), (308, 17580), (329, 17661), (330, 17673), (335, 17697), (342, 17724), (359, 17799), (365, 17814),

Gene: Zooman_76 Start: 46555, Stop: 47307, Start Num: 142

Candidate Starts for Zooman_76:

(Start: 142 @46555 has 6 MA's), (152, 46579), (169, 46636), (212, 46726), (313, 47044), (318, 47059), (337, 47155), (349, 47206), (351, 47215), (369, 47272),

Gene: phiAsp2_19 Start: 12199, Stop: 13014, Start Num: 116

Candidate Starts for phiAsp2_19:

(116, 12199), (127, 12223), (173, 12352), (258, 12520), (265, 12547), (269, 12556), (271, 12562), (273, 12574), (281, 12598), (282, 12604), (293, 12655), (309, 12733), (330, 12817), (335, 12841), (339, 12853), (349, 12895), (350, 12898), (352, 12907), (365, 12952), (378, 12988), (380, 12994),