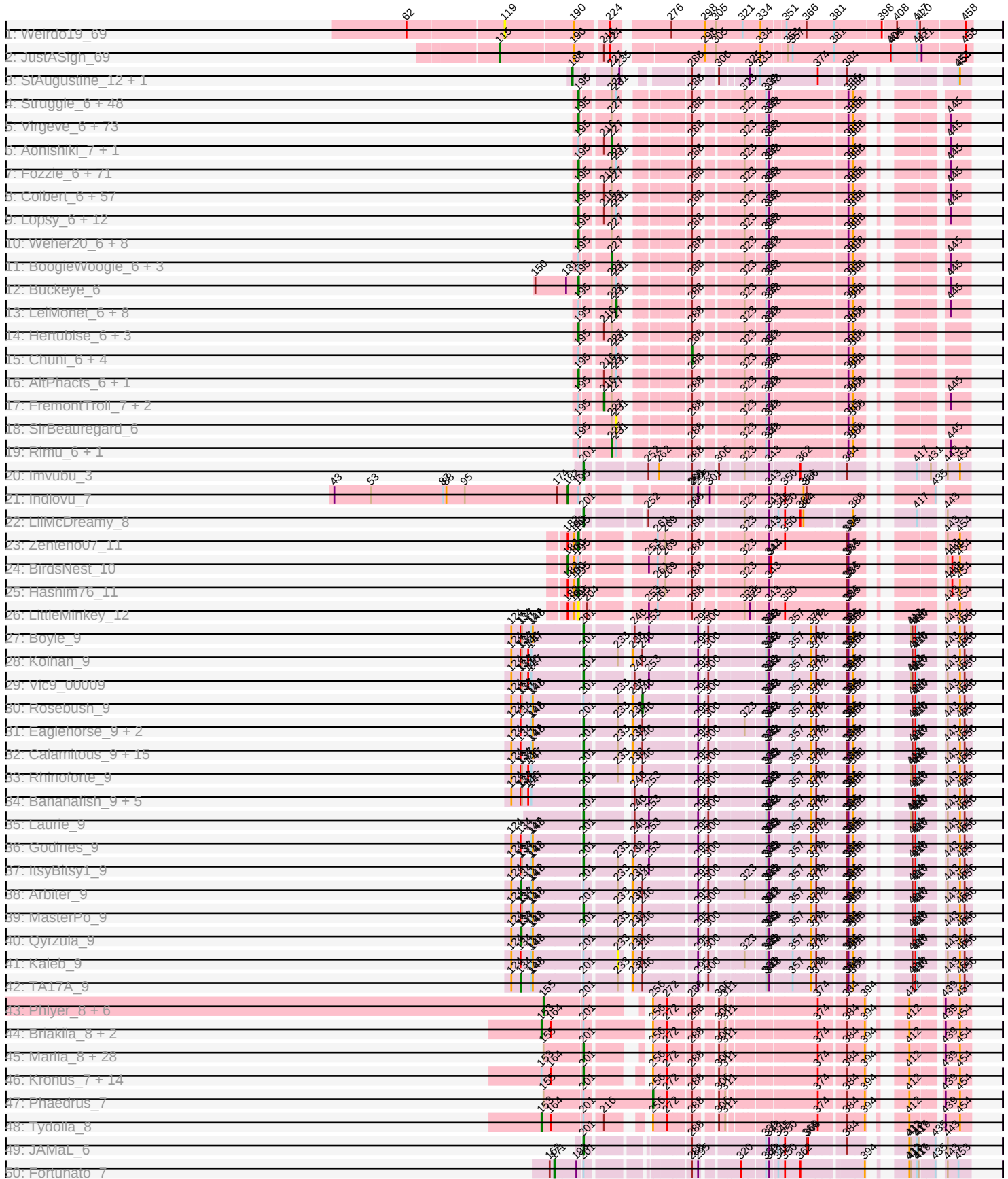
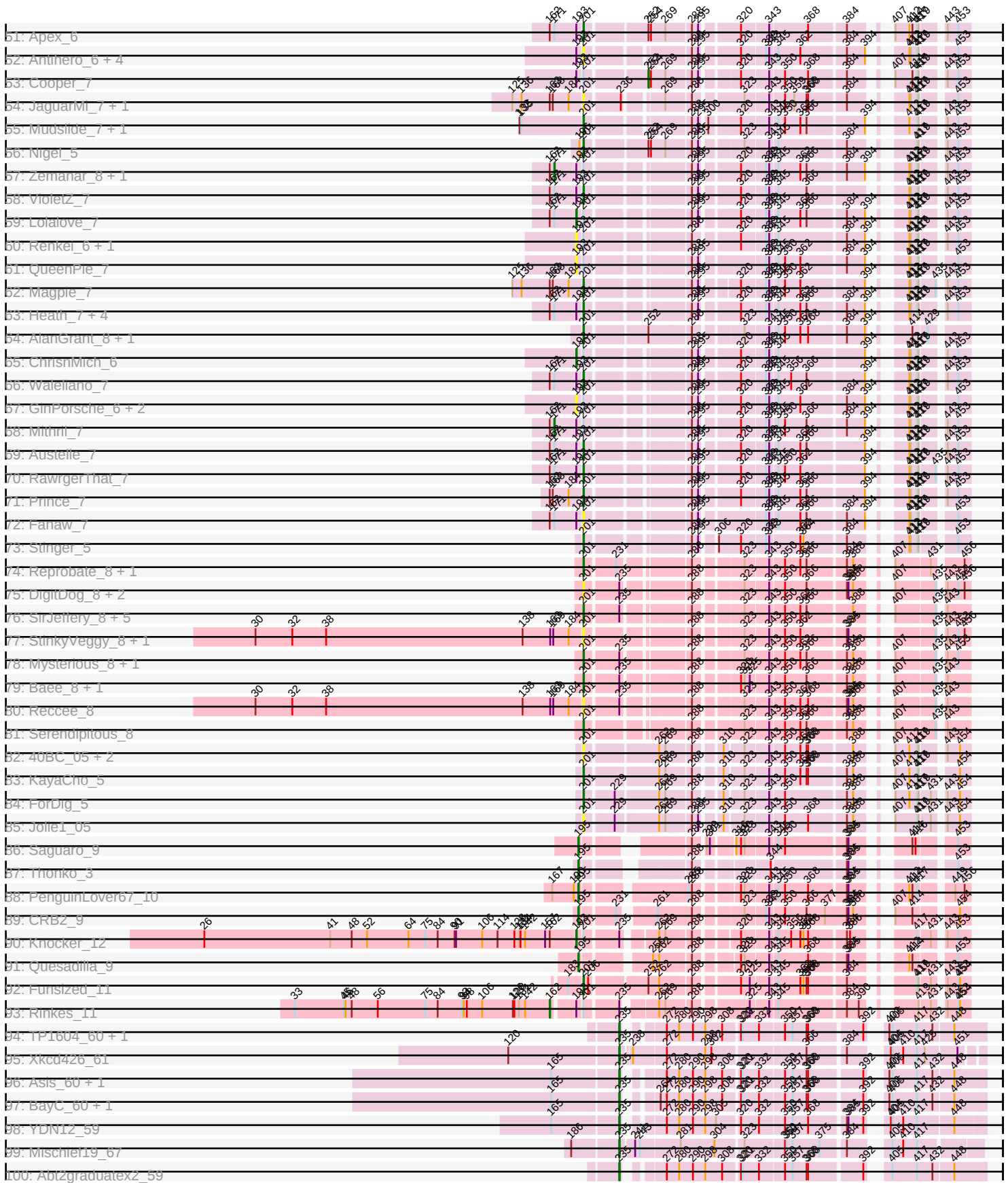
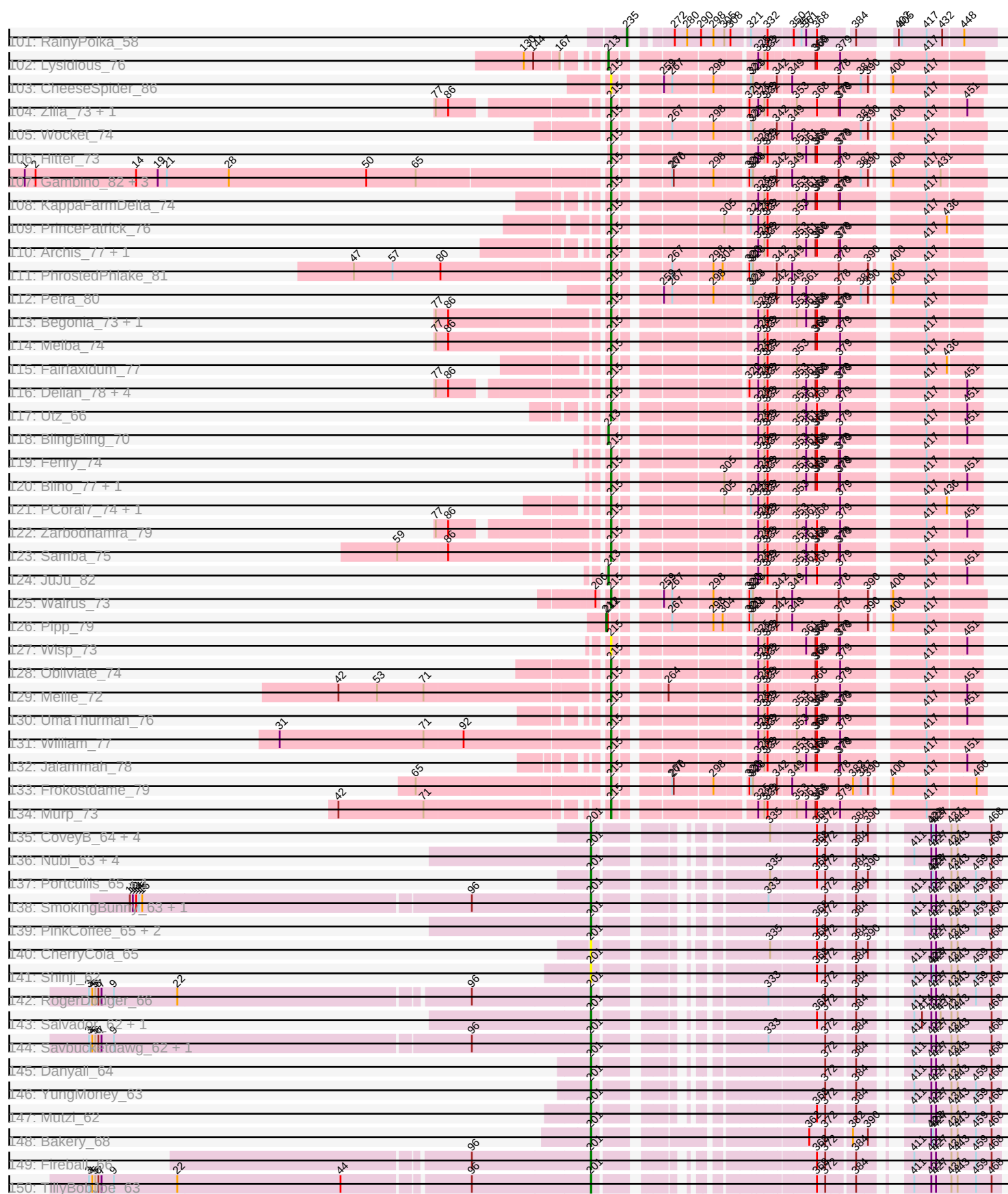


Pham 275752

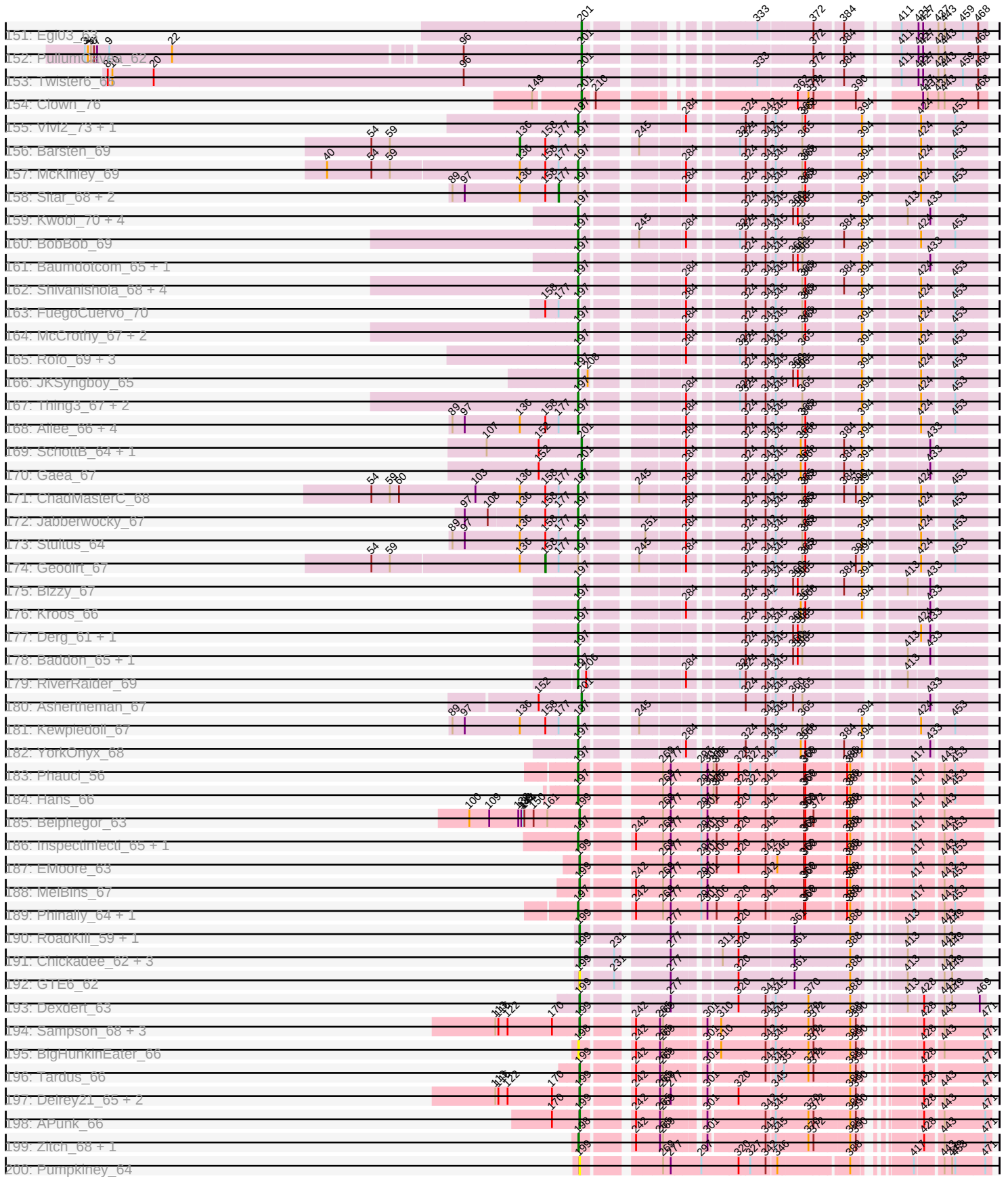


Pham 275752

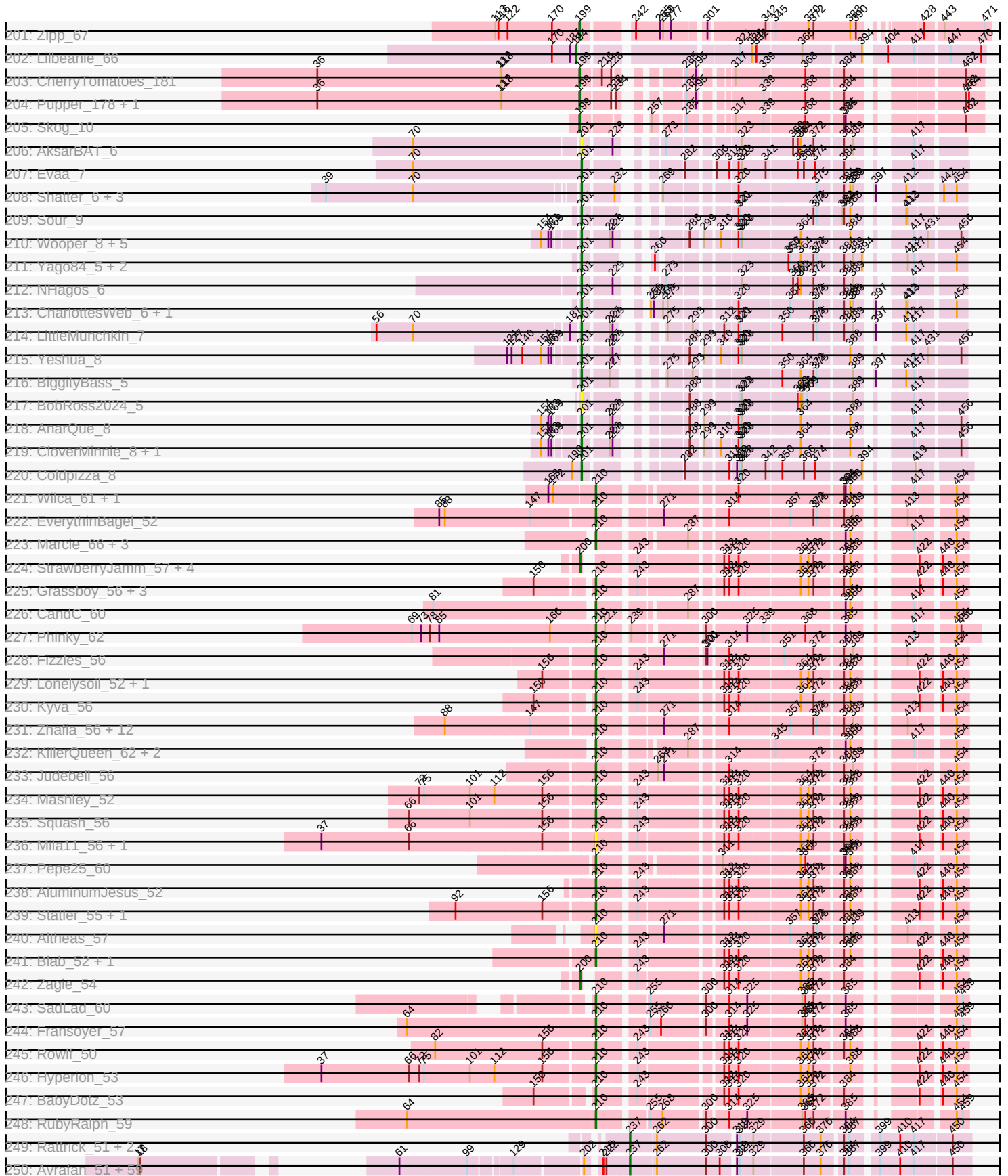




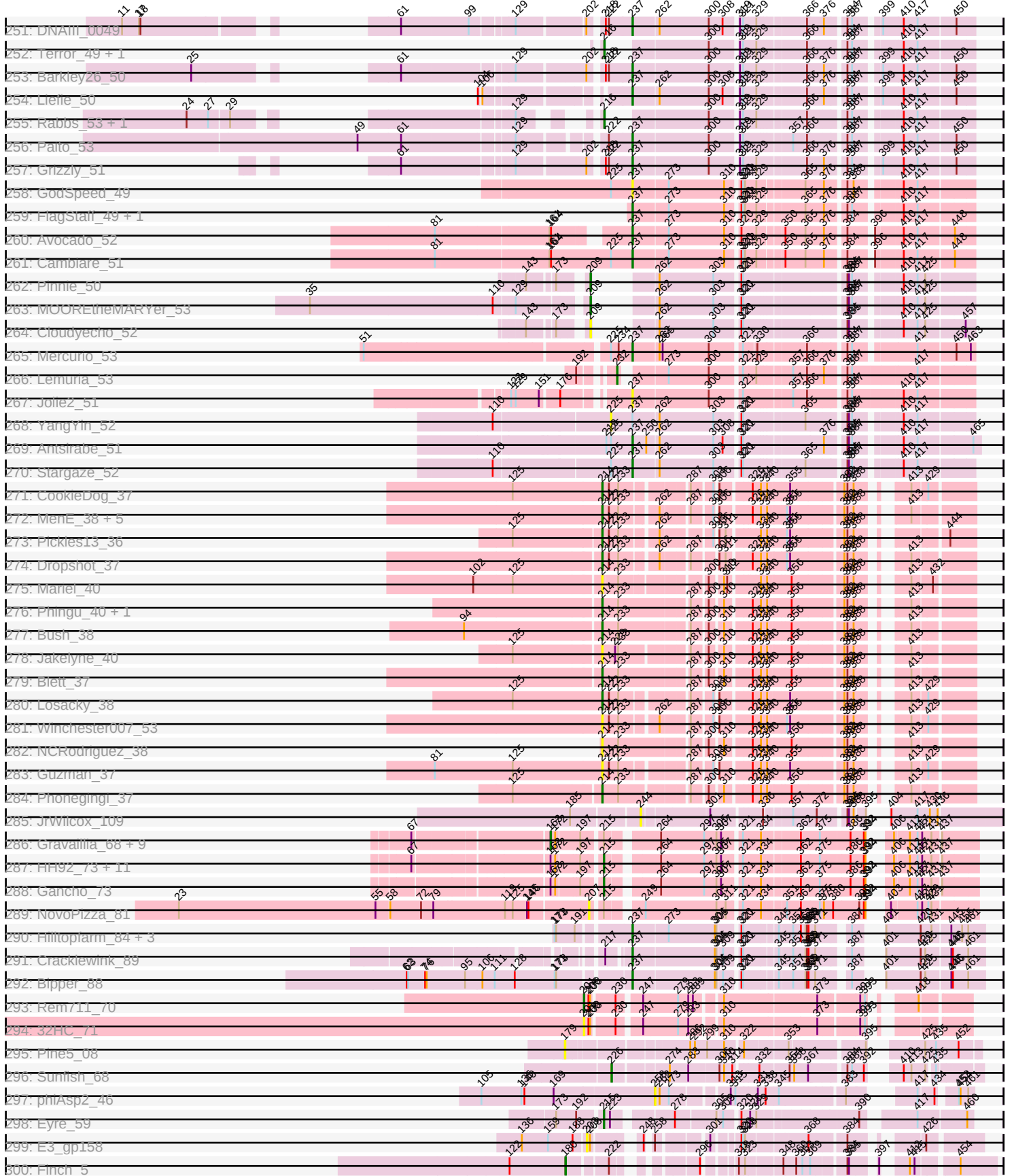
Pham 275752



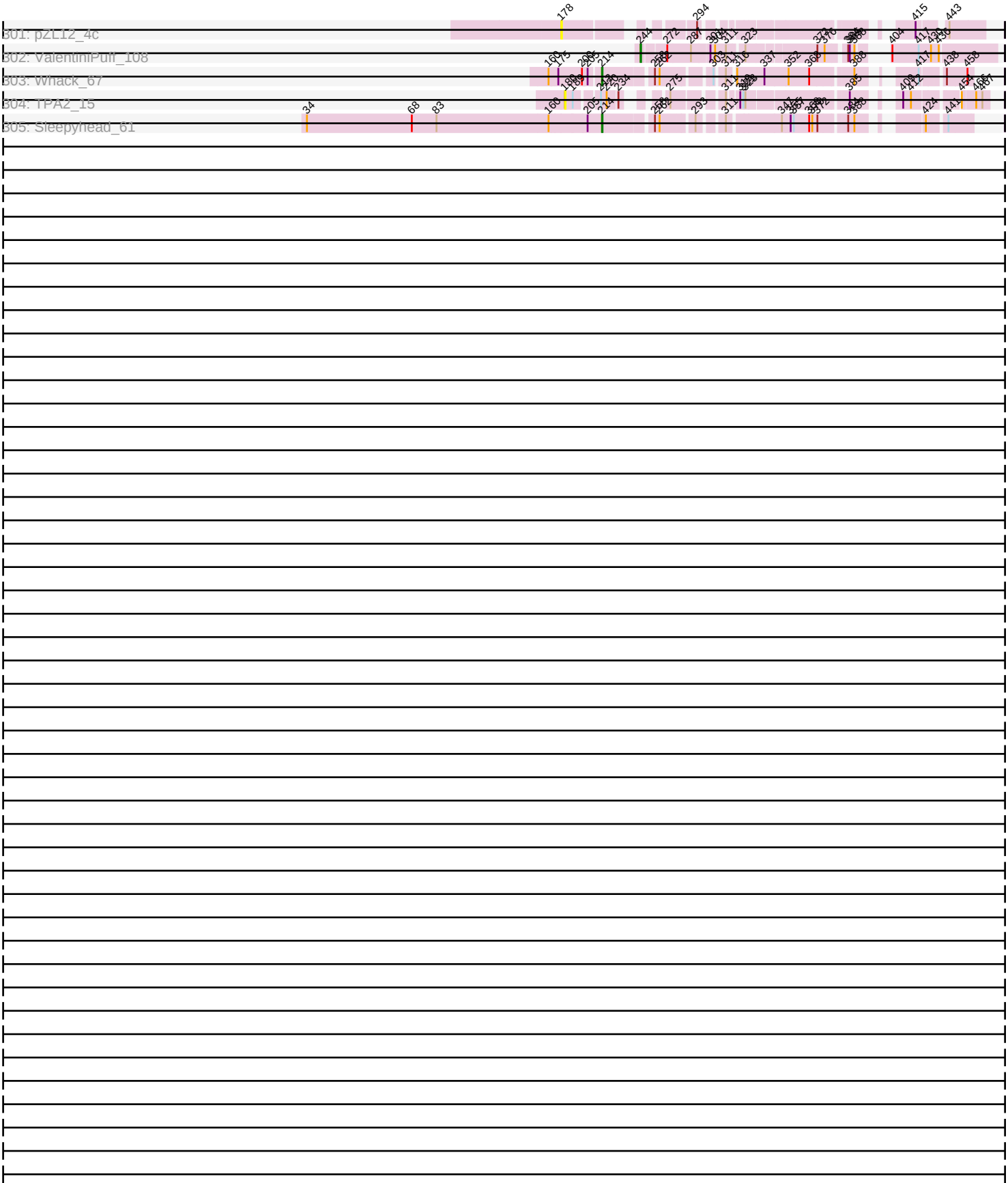
Pham 275752



Pham 275752



Pham 275752



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 275752 Report

This analysis was run 02/07/26 on database version 634.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 275752 has 900 members, 127 are drafts.

Phages represented in each track:

- Track 1 : Weirido19_69
- Track 2 : JustASigh_69
- Track 3 : StAugustine_12, Causa_14
- Track 4 : Struggle_6, Selr12_6, MelsMeow_6, Tomlarah_6, Doddsville_6, Plmatters_6, Mag7_6, Chunky_6, Windsor_6, Veritas_6, MichaelPhcott_6, PhrankReynolds_6, Trypo_6, Phunky_6, Mesmerelda_6, Wallhey_6, Kimbrough_6, Lumine_6, Roliet_6, Melc17_6, ElvisPhasley_6, Crownjwl_7, Phipps_6, Kailash_6, Labeouficaum_6, Freya_6, Oline_6, FleetyMac_6, Dione_6, Roscoe_7, Coletti_6, Derpp_6, PhenghisKhan_6, Olak_6, Scrick_6, DuchessDung_6, Phleuron_6, BatteryCK_6, Chute_6, CharlieGBrown_6, Pinkman_6, TyrionL_6, MiniBoss_6, Riverton_6, Kwksand96_6, Chaelin_6, Phergie_6, LuckyMarjie_6, BlueHusk_6
- Track 5 : Virgeve_6, HenryJackson_6, RedMaple_6, Childish_6, Kloppinator_6, Legolas_6, Pops_6, Newman_6, Craff_6, Timmi_6, Oosterbaan_6, Haimas_6, Megatron_6, Aelin_6, Mana_6, Valjean_6, Kahve_6, TomBombadil_6, HighStump_6, BlacksBerry_6, Lulumae_6, MitKao_6, Xavier_6, Vaishali24_6, TallGrassMM_6, Roy17_6, Pipsqueak_6, Held_6, Squiggle_6, Yoshand_6, LostAndPhound_6, BlackStallion_6, Tooj_6, Potter_6, Sophia_6, Nyala_6, Caspiroi_6, Nicole21_6, KlimbOn_6, Daffy_6, MRabcd_6, LemonSlice_6, Omniscient_6, Mutante_6, Hetaeria_6, Solosis_6, SassyCat97_6, JangoPhett_6, Antonia_6, Triad_6, FriarPreacher_6, Giraffe_6, Mecca_6, Virapocalypse_6, Apizium_6, Cornbread_6, Pherdinand_6, CheetO_6, Serpentine_006, Phareon_6, Telesworld_6, Fringe_6, UAch1_6, Gwilliam_6, Murdoc_6, Manad_6, Waterdiva_6, Cornobble_6, Schadenfreude_6, Piglet_006, Inverness_6, Squid_6, Vivaldi_6, Hocus_6
- Track 6 : Aonishiki_7, Daka_6
- Track 7 : Fozzie_6, Brilliant_6, Orion_6, Swish_6, Eugenia_6, Adriana_6, Robyn_6, ThreeOh3D2_6, DaddyDaniels_6, Matalotodo_6, Orwigg_6, Grand2040_6, Jiraiya_6, Burr_6, DirtJuice_6, Plata_6, Placalicious_6, Boehler_6, Cobra_6, Longacauda_6, Soile_6, Vista_6, JakeO_6, Jesabah_6, Cosmolli16_6, Fang_6, Durga_6, Emiris_6, Nathan_6, Chah_6, Jiminy_6, Soto_6, JDog_6, ABU_6, YouGoGlencoco_6, HogWash_6, Badfish_6, Carthage_6, SDcharge11_6, Toni_6, Scoot17C_6, GeneCoco_6, DelRivs_6, ProfessorX_6, FugateOSU_6, Happabalu_6, Mesh1_6, Zonia_6, KingTut_6, Haleema_6, TooFast2Furius_8, OSmaximus_6, Megamind20_7, Lego3393_6, Duggie_6, PG1_6, Aleia_6, Mulan_6, Iridessa_6, Harvey_6, Maru_6,

Pacifista_6, Vaticameos_6, Dingo_6, Ricotta_6, Lasso_6, PhatLouie_6, Mikota_6,
 EmpTee_6, PhatCats2014_6, Orfeu_6, Gwennie1_6
 • Track 8 : Colbert_6, Morty_6, HSavage_6, Skippy_6, DoesntMatter_6, Riggan_6,
 PhrodoBaggins_6, ShiVal_6, Serendipity_6, Surely_6, True_6, Anderson_6,
 Iridoclysis_6, Gophee_6, Usavi_6, Zaider_7, SilverBell_6, Hamish_6, Lulwa_6,
 UncleHowie_6, Simielle_6, Sigman_6, LeeLot_6, AbsoluteMadLad_6, Altwerkus_6,
 OliverWalter_6, Cher_6, Zelda_6, Phamished_6, QueenBeane_6, Samaymay_6,
 Flake_7, Bishoperium_6, DonSanchon_6, Banjo_6, Dice_6, Slatt_6, Keitherie_6,
 Kikipoo_6, Vortex_6, IsaacEli_6, Spartan300_6, PinheadLarry_6, ShadowBud_7,
 Mosaic_6, Larson_7, Chorkpop_6, Bluephacebaby_6, Gareth_6, CamL_6,
 Cannibal_6, Jillium_6, Podrick_6, Quisquiliae_6, Morgushi_6, Kwadwo_6,
 Numberten_6, Mcshane_6
 • Track 9 : Lopsy_6, Basato_7, Chipette_8, Eremos_6, Gyarad_006, RedRaider89_7,
 Suffolk_6, KLUcky39_6, Frankicide_6, DolOn_8, Nacho_006, Sheila_6, Horchata_6
 • Track 10 : Weher20_6, PallasAthena_7, AngelCake_6, Hartsy_6, Inchworm_6,
 CampRoach_6, LasagnaCat_6, Magic8_6, Dati_6
 • Track 11 : BoogieWoogie_6, FluffyNinja_6, Prickles_6, Lehmann_7
 • Track 12 : Buckeye_6
 • Track 13 : LeiMonet_6, Khan1_6, MrPhizzler_6, Swiphy_6, Thunderbird_6, Andre_6,
 Charles1_6, Katniss_6, Schueller_6
 • Track 14 : Hertubise_6, Thora_6, Puhltonio_6, Beaglebox_6
 • Track 15 : Chuni_6, Etaye_6, Ashraf_6, ImtiyazSitla_6, Maskar_6
 • Track 16 : AltPhacts_6, KingVeVeVe_6
 • Track 17 : FremontTroll_7, Olive_6, JacAttac_6
 • Track 18 : SirBeauregard_6
 • Track 19 : Rimu_6, SallyH_7
 • Track 20 : Imvubu_3
 • Track 21 : Indlovu_7
 • Track 22 : LilMcDreamy_8
 • Track 23 : Zenteno07_11
 • Track 24 : BirdsNest_10
 • Track 25 : Hashim76_11
 • Track 26 : LittleMinkey_12
 • Track 27 : Boyle_9
 • Track 28 : Kolhan_9
 • Track 29 : Vic9_00009
 • Track 30 : Rosebush_9
 • Track 31 : Eaglehorse_9, Glass_9, FrenchFry_9
 • Track 32 : Calamitous_9, Brownie5_9, Sabella_9, Tinciduntolum_10, LilSmirk_9,
 Hedgerow_9, Kheth_9, Opia_9, Lephleur_9, LizLemon_9, Holeinone_9, Lars_9,
 Allegro_9, Phantasmagoria_9, Ares_9, West99_9
 • Track 33 : Rhinoforte_9
 • Track 34 : Bananafish_9, PrinceCharming_9, Blocker23_9, Tres_9, Faze9_9,
 Coffee_9
 • Track 35 : Laurie_9
 • Track 36 : Godines_9
 • Track 37 : ItsyBitsy1_9
 • Track 38 : Arbiter_9
 • Track 39 : MasterPo_9
 • Track 40 : Qyrzula_9
 • Track 41 : Kaleb_9
 • Track 42 : TA17A_9

- Track 43 : Phlyer_8, Yahalom_8, Jackstina_7, Philly_7, RomaT_8, Pipefish_8, Athena_9
- Track 44 : Briakila_8, Daisy_8, OrangeOswald_8
- Track 45 : Marlia_8, Morty007_8, Phayeta_8, Gervas_8, HarveySr_8, Marley1013_8, RagingRooster_8, Heathcliff_8, Casbah_7, Neos5_8, Rita1961_8, Halfpint_7, SynergyX_8, SwainyDoc_8, Deenasa_8, Corofin_8, Bernardo_8, Mortcellus_7, GlenHope_9, Compostia_8, Obutu_8, Olivio_7, Chandler_8, Glubnar_8, Mulaychimus_8, Kamiyu_8, Chalmers_8, Chentzyk_7, LestyG_8
- Track 46 : Kronus_7, Audrey_8, Devonte_8, Gadjet_9, Baloo_8, Akoma_8, Ben11_7, Shenandoah_8, TinyTerror_8, Nozo_8, Abingghost_8, MmasiCarm_8, SlippinJimmy_8, Yinz_8, ChaChing_8
- Track 47 : Phaedruss_7
- Track 48 : Tydolla_8
- Track 49 : JAMaL_6
- Track 50 : Fortunato_7
- Track 51 : Apex_6
- Track 52 : Antihero_6, Ahwei_6, Lambano_6, Epah_6, Hally898_6
- Track 53 : Cooper_7
- Track 54 : JaguarMi_7, Xincheng_7
- Track 55 : Mudslide_7, BrownCNA_7
- Track 56 : Nigel_5
- Track 57 : Zemanar_8, Frederick_7
- Track 58 : VioletZ_7
- Track 59 : Lolalove_7
- Track 60 : Renkei_6, LittleDigger_6
- Track 61 : QueenPie_7
- Track 62 : Magpie_7
- Track 63 : Heath_7, JoyceMaria_7, BobbyK_7, Hangman_7, Hydro_7
- Track 64 : AlanGrant_8, Vincenzo_8
- Track 65 : ChrisnMich_6
- Track 66 : Waleliano_7
- Track 67 : GinPorsche_6, Poster_6, Nanao_6
- Track 68 : Mithril_7
- Track 69 : Austelle_7
- Track 70 : RawrgerThat_7
- Track 71 : Prince_7
- Track 72 : Fanaw_7
- Track 73 : Stinger_5
- Track 74 : Reprobate_8, Phelemich_8
- Track 75 : DigitDog_8, Shenyu_8, Nangang_8
- Track 76 : SirJeffery_8, Suigeneris_8, Acadian_8, Rita130_8, Donny_8, EastView9101_8
- Track 77 : StinkyVeggy_8, KarasumaRum_8
- Track 78 : Mysterious_8, Nehemiah_7
- Track 79 : Baee_8, Rich_8
- Track 80 : Reccee_8
- Track 81 : Serendipitous_8
- Track 82 : 40BC_05, 39HC_05, Hosp_03
- Track 83 : KayaCho_5
- Track 84 : ForDig_5
- Track 85 : Jolie1_05
- Track 86 : Saguaro_9
- Track 87 : Thonko_3

- Track 88 : PenguinLover67_10
- Track 89 : CRB2_9
- Track 90 : Klocker_12
- Track 91 : Quesadilla_9
- Track 92 : Funsized_11
- Track 93 : Rinkes_11
- Track 94 : TP1604_60, BabyGotBac_61
- Track 95 : Xkcd426_61
- Track 96 : Asis_60, Maih_59
- Track 97 : BayC_60, Salete_60
- Track 98 : YDN12_59
- Track 99 : Mischief19_67
- Track 100 : Abt2graduatex2_59
- Track 101 : RainyPolka_58
- Track 102 : Lysidious_76
- Track 103 : CheeseSpider_86
- Track 104 : Zilla_73, Barco_72
- Track 105 : Wocket_74
- Track 106 : Hitter_73
- Track 107 : Gambino_82, Blueberry_79, Azula_80, MissRona_80
- Track 108 : KappaFarmDelta_74
- Track 109 : PrincePatrick_76
- Track 110 : Archis_77, ZiggyZoo_76
- Track 111 : PhrostedPhlake_81
- Track 112 : Petra_80
- Track 113 : Begonia_73, Malachai_73
- Track 114 : Melba_74
- Track 115 : Fairfaxidum_77
- Track 116 : Delian_78, CaptainKirk2_75, Guacamole_73, JasperJr_73, MintFen_75
- Track 117 : Utz_66
- Track 118 : BlingBling_70
- Track 119 : Fenry_74
- Track 120 : Blino_77, CarolAnn_76
- Track 121 : PCoral7_74, Toast_74
- Track 122 : Zarbodnamra_79
- Track 123 : Samba_75
- Track 124 : JuJu_82
- Track 125 : Walrus_73
- Track 126 : Pipp_79
- Track 127 : Wisp_73
- Track 128 : Obliviate_74
- Track 129 : Mellie_72
- Track 130 : UmaThurman_76
- Track 131 : William_77
- Track 132 : Jalammah_78
- Track 133 : Frokostdame_79
- Track 134 : Murp_73
- Track 135 : CoveyB_64, Valary_64, VanDeWege_65, Gezellig_61, Wizard_61
- Track 136 : Nubi_63, Barb_65, Fugax_66, ClamChowder_65, KimmyK_64
- Track 137 : Portcullis_65, Halo3_62
- Track 138 : SmokingBunny_63, Togo_62
- Track 139 : PinkCoffee_65, Arri_64, Phlop_61
- Track 140 : CherryCola_65

- Track 141 : Shinji_62
- Track 142 : RogerDodger_66
- Track 143 : Salvador_62, Evamon_62
- Track 144 : Savbucketdawg_62, Jambalaya_62
- Track 145 : Danyall_64
- Track 146 : YungMoney_63
- Track 147 : Mutzi_62
- Track 148 : Bakery_68
- Track 149 : Fireball_66
- Track 150 : TillyBobJoe_63
- Track 151 : Egi03_63
- Track 152 : PullumCavea_62
- Track 153 : Twister6_65
- Track 154 : Clown_76
- Track 155 : Vivi2_73, Nordenberg_67
- Track 156 : Barsten_69
- Track 157 : McKinley_69
- Track 158 : Sitar_68, Bibwit_67, Lennon_68
- Track 159 : Kwobi_70, Flatwoods_67, Gustavo_68, Saronaya_68, StorminNorm_67
- Track 160 : BobBob_69
- Track 161 : Baumdotcom_65, Tangerine_67
- Track 162 : Shivanishola_68, MoontowerMania_68, Affeca_69, Love_73, Angelicage_67
- Track 163 : FuegoCuervo_70
- Track 164 : McCrothy_67, Galadriel_68, Paries_70
- Track 165 : Rofo_69, Tangent_71, Charming_72, Fosterous_71
- Track 166 : JKSyngboy_65
- Track 167 : Thing3_67, Kamashten_67, Brandonk123_73
- Track 168 : Ailee_66, Sedona_67, Fitzgerald_67, Keitabear_67, Sanjuju_67
- Track 169 : SchottB_64, LilHam_61
- Track 170 : Gaea_67
- Track 171 : ChadMasterC_68
- Track 172 : Jabberwocky_67
- Track 173 : Stultus_64
- Track 174 : Geodirt_67
- Track 175 : Bizzy_67
- Track 176 : Kroos_66
- Track 177 : Derg_61, Ribeye_67
- Track 178 : Baddon_65, Tycho_65
- Track 179 : RiverRaider_69
- Track 180 : Ashertheman_67
- Track 181 : Kewpiedoll_67
- Track 182 : YorkOnyx_68
- Track 183 : Phauci_56
- Track 184 : Hans_66
- Track 185 : Belphegor_63
- Track 186 : Inspectinfecti_65, Ali17_61
- Track 187 : EMoore_63
- Track 188 : MelBins_67
- Track 189 : Phinally_64, Leonard_64
- Track 190 : RoadKill_59, EdmundFerry_59
- Track 191 : Chickadee_62, Twonlo_60, Kwekel_62, Tiamoceli_62
- Track 192 : GTE6_62

- Track 193 : Dexdert_63
- Track 194 : Sampson_68, Natkenzie_66, Abblin_66, Scioto_66
- Track 195 : BigHunkinEater_66
- Track 196 : Tardus_66
- Track 197 : Delrey21_65, DoctorFroggo_65, Verity_65
- Track 198 : APunk_66
- Track 199 : Zitch_68, ViaConlectus_65
- Track 200 : Pumpkiney_64
- Track 201 : Zipp_67
- Track 202 : Lilbeanie_66
- Track 203 : CherryTomatoes_181
- Track 204 : Pupper_178, SCentae_177
- Track 205 : Skog_10
- Track 206 : AksarBAT_6
- Track 207 : Evaa_7
- Track 208 : Shatter_6, Ligma_6, Fresco_6, Axumite_6
- Track 209 : Sour_9
- Track 210 : Wooper_8, MossRose_8, FelixTres_8, CaiB_8, TraderJ_8, MakoManhole_8
- Track 211 : Yago84_5, Sisko_5, AnClar_5
- Track 212 : NHagos_6
- Track 213 : CharlottesWeb_6, Mariokart_6
- Track 214 : LittleMunchkin_7
- Track 215 : Yeshua_8
- Track 216 : BiggityBass_5
- Track 217 : BobRoss2024_5
- Track 218 : AnarQue_8
- Track 219 : CloverMinnie_8, Blackpen_8
- Track 220 : Coldpizza_8
- Track 221 : Wilca_61, BirdInFrench_61
- Track 222 : EverythinBagel_52
- Track 223 : Marcie_66, Kelcole_59, Tempo_61, OneinaGillian_61
- Track 224 : StrawberryJamm_57, WheelerS25_60, FrankDeliGuy_50, Namago_54, SallyK_55
- Track 225 : Grassboy_56, Tissue_55, Mentos_58, Nike_54
- Track 226 : CandC_60
- Track 227 : Phinky_62
- Track 228 : Fizzles_56
- Track 229 : Lonelysoil_52, Gazebo_53
- Track 230 : Kyva_56
- Track 231 : Zhafia_56, Rudy_51, Wayne3_55, Wheelie_53, DonaldDuck_53, Casend_54, Llemily_53, Quammi_51, Jehoshaphat_55, Sillytadpoles_54, Viceroy_52, Phabia_53, Teehee_54
- Track 232 : KillerQueen_62, Romm_63, RobinRose_63
- Track 233 : Judebell_56
- Track 234 : Mashley_52
- Track 235 : Squash_56
- Track 236 : Mila11_56, MorillMayhem_54
- Track 237 : Pepe25_60
- Track 238 : AluminumJesus_52
- Track 239 : Statler_55, SlySloth_56
- Track 240 : Altheas_57
- Track 241 : Blab_52, BaconCheese_58

- Track 242 : Zagie_54
- Track 243 : SadLad_60
- Track 244 : Fransoyer_57
- Track 245 : Rowlf_50
- Track 246 : Hyperion_53
- Track 247 : BabyDotz_53
- Track 248 : RubyRalph_59
- Track 249 : Rattrick_51, Jolene_51, Periodt_51
- Track 250 : Avrafan_51, Hotshotbaby7_51, Hope_51, BPs_51, TinaBug_51, Renaissance_51, Cedasite_51, AzulaCat_51, GoldenAsh_50, LouisV14_53, TomBrady_51, DMoney_50, ECartman_49, Sweets_50, Sizemore_51, Chance64_51, Crespo_50, Wendigo_49, Kareem_51, Marmie_51, Gideon_52, Ruriko_49, Remy19_51, Darionha_51, Jeilious_50, AizenPogi_50, Gomashi_50, Richarlison_49, Camri_51, BQuat_51, Jonghyun_49, Halo_51, Neoh_50, Phloodle_49, ZoMa_49, DingDing_49, BruceB_51, Aroostook_51, Peeb_50, Plagueis_51, Cherrybomb426_51, Phreak_51, Mowgli_51, Frosty24_51, CLED96_51, Kasen3_51, Maliketh_49, Zombie_50, Phish_50, Jane_51, JorRay_51, Coleslaw_51, Annihilator_51, ShaboiShabazz_50, Olga_51, PinkYoshi_51, CassieYates_51, OctaviousRex_50, Angel_51, Schiebel_51
- Track 251 : DNAlII_0049
- Track 252 : Terror_49, Taheera_49
- Track 253 : Barkley26_50
- Track 254 : Liefie_50
- Track 255 : Rabbs_53, Sneeze_52
- Track 256 : Paito_53
- Track 257 : Grizzly_51
- Track 258 : GodSpeed_49
- Track 259 : FlagStaff_49, Pace1224_50
- Track 260 : Avocado_52
- Track 261 : Cambiare_51
- Track 262 : Pinnie_50
- Track 263 : MOOREtheMARYer_53
- Track 264 : Cloudyecho_52
- Track 265 : Mercurio_53
- Track 266 : Lemuria_53
- Track 267 : Jolie2_51
- Track 268 : YangYin_52
- Track 269 : Antsirabe_51
- Track 270 : Stargaze_52
- Track 271 : CookieDog_37
- Track 272 : MenE_38, Carrillo_39, Violeta_39, Appa_37, PhillyJawn_38, Antuna_38
- Track 273 : Pickles13_36
- Track 274 : Dropshot_37
- Track 275 : Mariel_40
- Track 276 : Phingu_40, Warren_37
- Track 277 : Bush_38
- Track 278 : Jakelyne_40
- Track 279 : Blett_37
- Track 280 : Losacky_38
- Track 281 : Winchester007_53
- Track 282 : NCRodriguez_38
- Track 283 : Guzman_37
- Track 284 : Phonegingi_37

- Track 285 : JrWilcox_109
- Track 286 : Gravaillia_68, Giles_67, Hadrien_71, Forge_67, Wishmaker_67, Luke_71, Hail_67, Dewey_67, Daegal_76, Luna22_67
- Track 287 : HH92_73, Amymech_74, Webster2_74, OBUpride_73, LilHazelNut_74, Ubuntu_74, DeepSoil15_74, Evanescence_73, Amochick_75, Ein37_74, Kinbote_72, BloominB_74
- Track 288 : Gancho_73
- Track 289 : NovoPizza_81
- Track 290 : Hilltopfarm_84, AuntGwenStacy_83, Typha_83, Faiyaz_85
- Track 291 : Cracklewink_89
- Track 292 : Bipper_88
- Track 293 : Rem711_70
- Track 294 : 32HC_71
- Track 295 : Pine5_08
- Track 296 : Sunfish_68
- Track 297 : phiAsp2_46
- Track 298 : Eyre_59
- Track 299 : E3_gp158
- Track 300 : Finch_5
- Track 301 : pZL12_4c
- Track 302 : ValentiniPuff_108
- Track 303 : Whack_67
- Track 304 : TPA2_15
- Track 305 : Sleepyhead_61

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

The start number called the most often in the published annotations is 195, it was called in 270 of the 773 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_6, AbsoluteMadLad_6, Adriana_6, Aelin_6, Aleia_6, AltPhacts_6, Altwerkus_6, Anderson_6, AngelCake_6, Antonia_6, Apizium_6, Badfish_6, Banjo_6, Basato_7, BatteryCK_6, Beaglebox_6, Bishoperium_6, BlackStallion_6, BlacksBerry_6, BlueHusk_6, Bluephacebaby_6, Boehler_6, Brilliant_6, Buckeye_6, Burr_6, CRB2_9, CamL_6, CampRoach_6, Cannibal_6, Carthage_6, CaspiBoi_6, Chaelin_6, Chah_6, CharlieGBrown_6, CheetO_6, Cher_6, Childish_6, Chipette_8, Chorkpop_6, Chunky_6, Chute_6, Cobra_6, Colbert_6, Coletti_6, Cornbread_6, Cornobble_6, Cosmolli16_6, Craff_6, Crownjwl_7, DaddyDaniels_6, Daffy_6, Dati_6, DelRivs_6, Derpp_6, Dice_6, Dingo_6, Dione_6, DirtJuice_6, Doddsville_6, DoesntMatter_6, DoLOn_8, DonSancho_6, DuchessDung_6, Duggie_6, Durga_6, ElvisPhasley_6, Emiris_6, EmpTee_6, Eremos_6, Eugenia_6, Fang_6, Flake_7, FleetyMac_6, Fozzie_6, Frankicide_6, Freya_6, FriarPreacher_6, Fringe_6, FugateOSU_6, Gareth_6, GeneCoco_6, Giraffe_6, Gophe_6, Grand2040_6, Gwennie1_6, Gwilliam_6, Gyarad_006, HSavage_6, Haimas_6, Haleema_6, Hamish_6, Happabalu_6, Hartsy_6, Harvey_6, Hashim76_11, Held_6, HenryJackson_6, Hertubise_6, Hetaeria_6, HighStump_6, Hocus_6, HogWash_6, Horchata_6, Inchworm_6, Inverness_6, Iridessa_6, Iridoclysis_6, IsaacEli_6, JDog_6, JakeO_6, JangoPhett_6, Jesabah_6, Jillium_6, Jiminy_6, Jiraiya_6, KLucky39_6, Kahve_6, Kailash_6, Keitherie_6, Kikipoo_6, Kimbrough_6, KingTut_6, KingVeVeVe_6,

KlimbOn_6, Kloppinator_6, Kwadwo_6, Kwksand96_6, Labeouficaum_6, Larson_7, LasagnaCat_6, Lasso_6, LeeLot_6, Lego3393_6, Legolas_6, LemonSlice_6, LittleMinkey_12, Longacauda_6, Lopsy_6, LostAndPhound_6, LuckyMarjie_6, Lulumae_6, Lulwa_6, Lumine_6, MRabcd_6, Mag7_6, Magic8_6, Mana_6, Manad_6, Maru_6, Matalotodo_6, Mcshane_6, Mecca_6, Megamind20_7, Megatron_6, Melc17_6, MelsMeow_6, Mesh1_6, Mesmerelda_6, MichaelPhcott_6, Mikota_6, MiniBoss_6, MitKao_6, Morgushi_6, Morty_6, Mosaic_6, Mulan_6, Murdoc_6, Mutante_6, Nacho_006, Nathan_6, Newman_6, Nicole21_6, Numberten_6, Nyala_6, OSmaximus_6, Olak_6, Oline_6, OliverWalter_6, Omniscient_6, Oosterbaan_6, Orfeu_6, Orion_6, Orwigg_6, PG1_6, Pacifista_6, PallasAthena_7, PenguinLover67_10, Phamished_6, Phareon_6, PhatCats2014_6, PhatLouie_6, PhenghisKhan_6, Pherdinand_6, Phergie_6, Phipps_6, Phleuron_6, PhrankReynolds_6, PhrodoBaggins_6, Phunky_6, Piglet_006, PinheadLarry_6, Pinkman_6, Pipsqueak_6, Placalicious_6, Plata_6, Plmatters_6, Podrick_6, Pops_6, Potter_6, ProfessorX_6, Puhltonio_6, QueenBeane_6, Quesadilla_9, Quisquiliae_6, RedMaple_6, RedRaider89_7, Ricotta_6, Riggan_6, Riverton_6, Robyn_6, Roliet_6, Roscoe_7, Roy17_6, SDcharge11_6, Saguario_9, Samaymay_6, SassyCat97_6, Schadenfreude_6, Scoot17C_6, Scrick_6, Selr12_6, Serendipity_6, Serpentine_006, ShadowBud_7, Sheila_6, ShiVal_6, Sigman_6, SilverBell_6, Simielle_6, Skippy_6, Slatt_6, Soile_6, Solosis_6, Sophia_6, Soto_6, Spartan300_6, Squid_6, Squiggle_6, Struggle_6, Suffolk_6, Surely_6, Swish_6, TallGrassMM_6, Telesworld_6, Thonko_3, Thora_6, ThreeOh3D2_6, Timmi_6, TomBombadil_6, Tomlarah_6, Toni_6, TooFast2Furius_8, Tooj_6, Triad_6, True_6, Trypo_6, TyrionL_6, UAch1_6, UncleHowie_6, Usavi_6, Vaishali24_6, Valjean_6, Vaticameos_6, Veritas_6, Virapocalypse_6, Virgeve_6, Vista_6, Vivaldi_6, Vortex_6, Wallhey_6, Waterdiva_6, Weher20_6, Windsor_6, Xavier_6, Yoshand_6, YouGoGlencoco_6, Zaider_7, Zelda_6, Zenteno07_11, Zonia_6,

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

- Andre_6, Aonishiki_7, Ashraf_6, BirdsNest_10, BoogieWoogie_6, Charles1_6, Chuni_6, Daka_6, Etaye_6, FluffyNinja_6, FremontTroll_7, ImtiyazSitla_6, Indlovu_7, JacAttac_6, Katniss_6, Khan1_6, Lehmann_7, LeiMonet_6, Maskar_6, MrPhizzler_6, Olive_6, Prickles_6, Rimu_6, SallyH_7, Schueller_6, SirBeauregard_6, Swiphy_6, Thunderbird_6,

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

- 32HC_71, 39HC_05, 40BC_05, APunk_66, Abblin_66, Abinghost_8, Abt2graduatex2_59, Acadian_8, Affeca_69, Ahwei_6, Ailee_66, AizenPogi_50, Akoma_8, AksarBAT_6, AlanGrant_8, Ali17_61, Allegro_9, Altheas_57, AluminumJesus_52, Amochick_75, Amymech_74, AnClar_5, AnarQue_8, Angel_51, Angelicage_67, Annihilator_51, Antihero_6, Antsirabe_51, Antuna_38, Apex_6, Appa_37, Arbiter_9, Archis_77, Ares_9, Aroostook_51, Arri_64, Ashertheman_67, Asis_60, Athena_9, Audrey_8, AuntGwenStacy_83, Austelle_7, Avocado_52, Avrafan_51, Axumite_6, AzulaCat_51, Azula_80, BPs_51, BQuat_51, BabyDotz_53, BabyGotBac_61, BaconCheese_58, Baddon_65, Baee_8, Bakery_68, Baloo_8, Bananafish_9, Barb_65, Barco_72, Barkley26_50, Barsten_69, Baumdotcom_65, BayC_60, Begonia_73, Belphegor_63, Ben11_7, Bernardo_8, Bibwit_67, BigHunkinEater_66, BiggityBass_5, Bipper_88, BirdInFrench_61, Bizzy_67, Blab_52, Blackpen_8, Blett_37, BlingBling_70, Blino_77, Blocker23_9, BloominB_74, Blueberry_79, BobBob_69, BobRoss2024_5, BobbyK_7, Boyle_9, Brandonk123_73, Briakila_8, BrownCNA_7, Brownie5_9, BruceB_51, Bush_38, CLED96_51, CaiB_8, Calamitous_9, Cambiare_51, Camri_51, CandC_60, CaptainKirk2_75, CarolAnn_76, Carrillo_39, Casbah_7, Casend_54, CassieYates_51, Causa_14, Cedasite_51,

ChaChing_8, ChadMasterC_68, Chalmers_8, Chance64_51, Chandler_8, CharlottesWeb_6, Charming_72, CheeseSpider_86, Chentzyk_7, CherryCola_65, CherryTomatoes_181, Cherrybomb426_51, Chickadee_62, ChrisnMich_6, ClamChowder_65, Cloudyecho_52, CloverMinnie_8, Clown_76, Coffee_9, Coldpizza_8, Coleslaw_51, Compostia_8, CookieDog_37, Cooper_7, Corofin_8, CoveyB_64, Cracklewink_89, Crespo_50, DMoney_50, DNAIII_0049, Daegal_76, Daisy_8, Danyall_64, Darionha_51, Deenasa_8, DeepSoil15_74, Delian_78, Delrey21_65, Derg_61, Devonte_8, Dewey_67, Dextert_63, DigitDog_8, DingDing_49, DoctorFroggo_65, DonaldDuck_53, Donny_8, Dropshot_37, E3_gp158, ECartman_49, EMoore_63, Eaglehorse_9, EastView9101_8, EdmundFerry_59, Egi03_63, Ein37_74, Epah_6, Evaa_7, Evamon_62, Evanesce_73, EverythinBagel_52, Eyre_59, Fairfaxidum_77, Faiyaz_85, Fanaw_7, Faze9_9, FelixTres_8, Fenry_74, Finch_5, Fireball_66, Fitzgerald_67, Fizzles_56, FlagStaff_49, Flatwoods_67, ForDig_5, Forge_67, Fortunato_7, Fosterous_71, FrankDeliGuy_50, Fransoyer_57, Frederick_7, FrenchFry_9, Fresco_6, Frokostdame_79, Frosty24_51, FuegoCuervo_70, Fugax_66, Funsized_11, GTE6_62, Gadjet_9, Gaea_67, Galadriel_68, Gambino_82, Gancho_73, Gazebo_53, Geodirt_67, Gervas_8, Gezellig_61, Gideon_52, Giles_67, GinPorsche_6, Glass_9, GlenHope_9, Glubnar_8, GodSpeed_49, Godines_9, GoldenAsh_50, Gomashi_50, Grassboy_56, Gravailia_68, Grizzly_51, Guacamole_73, Gustavo_68, Guzman_37, HH92_73, Hadrien_71, Hail_67, Halfpint_7, Hally898_6, Halo3_62, Halo_51, Hangman_7, Hans_66, HarveySr_8, Heath_7, Heathcliff_8, Hedgerow_9, Hilltopfarm_84, Hitter_73, Holeinone_9, Hope_51, Hosp_03, Hotshotbaby7_51, Hydro_7, Hyperion_53, Imvubu_3, Inspectinfecti_65, ItsyBitsy1_9, JAMaL_6, JKSyngboy_65, Jabberwocky_67, Jackstina_7, JaguarMi_7, Jakelyne_40, Jalammah_78, Jambalaya_62, Jane_51, JasperJr_73, Jehoshaphat_55, Jeilious_50, Jolene_51, Jolie1_05, Jolie2_51, Jonghyun_49, JorRay_51, JoyceMaria_7, JrWilcox_109, JuJu_82, Judebell_56, JustASigh_69, Kaleb_9, Kamashten_67, Kamiyu_8, KappaFarmDelta_74, KarasumaRum_8, Kareem_51, Kasen3_51, KayaCho_5, Keitabear_67, Kelcole_59, Kewpiedoll_67, Kheth_9, KillerQueen_62, KimmyK_64, Kinbote_72, Knocker_12, Kolhan_9, Kronus_7, Kroos_66, Kwekel_62, Kwobi_70, Kyva_56, Lambano_6, Lars_9, Laurie_9, Lemuria_53, Lennon_68, Leonard_64, Lephleur_9, LestyG_8, Liefie_50, Ligma_6, LilHam_61, LilHazelNut_74, LilMcDreamy_8, LilSmirk_9, Lilbeanie_66, LittleDigger_6, LittleMunchkin_7, LizLemon_9, Llemily_53, Lolalove_7, Lonelysoil_52, Losacky_38, LouisV14_53, Love_73, Luke_71, Luna22_67, Lysidious_76, MOOREtheMARYer_53, Magpie_7, Maih_59, MakoManhole_8, Malachai_73, Maliketh_49, Marcie_66, Mariel_40, Mariokart_6, Marley1013_8, Marlia_8, Marmie_51, Mashley_52, MasterPo_9, McCrothy_67, McKinley_69, MelBins_67, Melba_74, Mellie_72, MenE_38, Mentos_58, Mercurio_53, Mila11_56, MintFen_75, Mischief19_67, MissRona_80, Mithril_7, MmasiCarm_8, MoontowerMania_68, MorillMayhem_54, Mortcellus_7, Morty007_8, MossRose_8, Mowgli_51, Mudslide_7, Mulaychimus_8, Murp_73, Mutzi_62, Mysterious_8, NCRodriguez_38, NHagos_6, Namago_54, Nanao_6, Nangang_8, Natkenzie_66, Nehemiah_7, Neoh_50, Neos5_8, Nigel_5, Nike_54, Nordenberg_67, NovoPizza_81, Nozo_8, Nubi_63, OBUpride_73, Obliviate_74, Obutu_8, OctaviousRex_50, Olga_51, Olivio_7, OneinaGillian_61, Opia_9, OrangeOswald_8, PCoral7_74, Pace1224_50, Paito_53, Paries_70, Peeb_50, Pepe25_60, Periodt_51, Petra_80, Phabia_53, Phaedrus_7, Phantasmagoria_9, Phauci_56, Phayeta_8, Phelemich_8, PhillyJawn_38, Philly_7, Phinally_64, Phingu_40, Phinky_62, Phish_50, Phloodle_49, Phlop_61, Phlyer_8, Phonegingi_37, Phreak_51, PhrostedPhlake_81, Pickles13_36, Pine5_08, PinkCoffee_65, PinkYoshi_51, Pinnie_50, Pipefish_8, Pipp_79, Plagueis_51, Portcullis_65, Poster_6, PrinceCharming_9, PrincePatrick_76, Prince_7, PullumCavea_62, Pumpkiney_64,

Pupper_178, Quammi_51, QueenPie_7, Qyrzula_9, Rabbs_53, RagingRooster_8, RainyPolka_58, Rattrick_51, RawrgerThat_7, Reccee_8, Rem711_70, Remy19_51, Renaissance_51, Renkei_6, Reprobate_8, Rhinoforte_9, Ribeye_67, Rich_8, Richarlison_49, Rinkes_11, Rita130_8, Rita1961_8, RiverRaider_69, RoadKill_59, RobinRose_63, Rofo_69, RogerDodger_66, RomaT_8, Romm_63, Rosebush_9, Rowlf_50, RubyRalph_59, Rudy_51, Ruriko_49, SCentae_177, Sabella_9, SadLad_60, Saletе_60, SallyK_55, Salvador_62, Samba_75, Sampson_68, Sanjuju_67, Saronaya_68, Savbucketdawg_62, Schiebel_51, SchottB_64, Scioto_66, Sedona_67, Serendipitous_8, ShaboiShabazz_50, Shatter_6, Shenandoah_8, Shenyu_8, Shinji_62, Shivanishola_68, Sillytadpoles_54, SirJeffery_8, Sisko_5, Sitar_68, Sizemore_51, Skog_10, Sleepyhead_61, SlippinJimmy_8, SlySloth_56, SmokingBunny_63, Sneeze_52, Sour_9, Squash_56, StAugustine_12, Stargaze_52, Statler_55, Stinger_5, StinkyVeggy_8, StorminNorm_67, StrawberryJamm_57, Stultus_64, Suigeneris_8, Sunfish_68, SwainyDoc_8, Sweets_50, SynergyX_8, TA17A_9, TP1604_60, TPA2_15, Taheera_49, Tangent_71, Tangerine_67, Tardus_66, Teehee_54, Tempo_61, Terror_49, Thing3_67, Tiamoceli_62, TillyBobJoe_63, TinaBug_51, Tinciduntolum_10, TinyTerror_8, Tissue_55, Toast_74, Togo_62, TomBrady_51, TraderJ_8, Tres_9, Twister6_65, Twonlo_60, Tycho_65, Tydolla_8, Typha_83, Ubuntu_74, UmaThurman_76, Utz_66, Valary_64, ValentiniPuff_108, VanDeWege_65, Verity_65, ViaConlectus_65, Vic9_00009, Viceroy_52, Vincenzo_8, VioletZ_7, Violeta_39, Vivi2_73, Waleliano_7, Walrus_73, Warren_37, Wayne3_55, Webster2_74, Weirido19_69, Wendigo_49, West99_9, Whack_67, WheelerS25_60, Wheelie_53, Wilca_61, William_77, Winchester007_53, Wishmaker_67, Wisp_73, Wizard_61, Wocket_74, Wooper_8, Xincheng_7, Xkcd426_61, YDN12_59, Yago84_5, Yahalom_8, YangYin_52, Yeshua_8, Yinz_8, YorkOnyx_68, YungMoney_63, Zagie_54, Zarbodnamra_79, Zemanar_8, Zhafia_56, ZiggyZoo_76, Zilla_73, Zipp_67, Zitch_68, ZoMa_49, Zombie_50, pZL12_4c, phiAsp2_46,

Summary by start number:

Start 115:

- Found in 1 of 900 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 773
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JustASigh_69 (AH),

Start 119:

- Found in 2 of 900 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Weirido19_69 (AH),

Start 134:

- Found in 38 of 900 (4.2%) of genes in pham
- Manual Annotations of this start: 3 of 773
- Called 7.9% of time when present
- Phage (with cluster) where this start called: Arbiter_9 (B2), Qyrzula_9 (B2), TA17A_9 (B2),

Start 136:

- Found in 19 of 900 (2.1%) of genes in pham
- Manual Annotations of this start: 1 of 773

- Called 5.3% of time when present
- Phage (with cluster) where this start called: Barsten_69 (DE1),

Start 153:

- Found in 19 of 900 (2.1%) of genes in pham
- Manual Annotations of this start: 4 of 773
- Called 21.1% of time when present
- Phage (with cluster) where this start called: Briakila_8 (B3), Daisy_8 (B3), OrangeOswald_8 (B3), Tydolla_8 (B3),

Start 155:

- Found in 37 of 900 (4.1%) of genes in pham
- Manual Annotations of this start: 7 of 773
- Called 18.9% of time when present
- Phage (with cluster) where this start called: Athena_9 (B3), Jackstina_7 (B3), Philly_7 (B3), Phlyer_8 (B3), Pipefish_8 (B3), RomaT_8 (B3), Yahalom_8 (B3),

Start 158:

- Found in 16 of 900 (1.8%) of genes in pham
- Manual Annotations of this start: 1 of 773
- Called 6.2% of time when present
- Phage (with cluster) where this start called: Geodirt_67 (DE1),

Start 162:

- Found in 22 of 900 (2.4%) of genes in pham
- Manual Annotations of this start: 1 of 773
- Called 4.5% of time when present
- Phage (with cluster) where this start called: Rinkes_11 (B9),

Start 163:

- Found in 38 of 900 (4.2%) of genes in pham
- Manual Annotations of this start: 10 of 773
- Called 26.3% of time when present
- Phage (with cluster) where this start called: Daegal_76 (Q), Dewey_67 (Q), Forge_67 (Q), Giles_67 (Q), Gravaillia_68 (Q), Hadrien_71 (Q), Hail_67 (Q), Luke_71 (Q), Luna22_67 (Q), Wishmaker_67 (Q),

Start 171:

- Found in 21 of 900 (2.3%) of genes in pham
- Manual Annotations of this start: 4 of 773
- Called 19.0% of time when present
- Phage (with cluster) where this start called: Fortunato_7 (B4), Frederick_7 (B4), Mithril_7 (B4), Zemanar_8 (B4),

Start 177:

- Found in 16 of 900 (1.8%) of genes in pham
- Manual Annotations of this start: 3 of 773
- Called 18.8% of time when present
- Phage (with cluster) where this start called: Bibwit_67 (DE1), Lennon_68 (DE1), Sitar_68 (DE1),

Start 178:

- Found in 1 of 900 (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: pZL12_4c (singleton),

Start 179:

- Found in 1 of 900 (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_08 (singleton),

Start 180:

- Found in 2 of 900 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 773
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Finch_5 (singleton), TPA2_15 (singleton),

Start 182:

- Found in 5 of 900 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 773
- Called 40.0% of time when present
- Phage (with cluster) where this start called: BirdsNest_10 (B13), Indlovu_7 (B11),

Start 188:

- Found in 3 of 900 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 773
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Causa_14 (AI), StAugustine_12 (AI),

Start 193:

- Found in 31 of 900 (3.4%) of genes in pham
- Manual Annotations of this start: 3 of 773
- Called 29.0% of time when present
- Phage (with cluster) where this start called: ChrisnMich_6 (B4), GinPorsche_6 (B4), Knocker_12 (B9), LittleDigger_6 (B4), Lolalove_7 (B4), Nanao_6 (B4), Poster_6 (B4), QueenPie_7 (B4), Renkei_6 (B4),

Start 194:

- Found in 1 of 900 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 773
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lilbeanie_66 (DE5),

Start 195:

- Found in 318 of 900 (35.3%) of genes in pham
- Manual Annotations of this start: 270 of 773
- Called 91.2% of time when present
- Phage (with cluster) where this start called: ABU_6 (B1), AbsoluteMadLad_6 (B1), Adriana_6 (B1), Aelin_6 (B1), Aleia_6 (B1), AltPhacts_6 (B1), Altwerkus_6 (B1), Anderson_6 (B1), AngelCake_6 (B1), Antonia_6 (B1), Apizium_6 (B1), Badfish_6 (B1), Banjo_6 (B1), Basato_7 (B1), BatteryCK_6 (B1), Beaglebox_6 (B1), Bishoperium_6 (B1), BlackStallion_6 (B1), BlacksBerry_6 (B1), BlueHusk_6 (B1), Bluephacebaby_6 (B1), Boehler_6 (B1), Brilliant_6 (B1), Buckeye_6 (B1), Burr_6

(B1), CRB2_9 (B9), CamL_6 (B1), CampRoach_6 (B1), Cannibal_6 (B1), Carthage_6 (B1), CaspiBoi_6 (B1), Chaelin_6 (B1), Chah_6 (B1), CharlieGBrown_6 (B1), CheetO_6 (B1), Cher_6 (B1), Childish_6 (B1), Chipette_8 (B1), Chorkpop_6 (B1), Chunky_6 (B1), Chute_6 (B1), Cobra_6 (B1), Colbert_6 (B1), Coletti_6 (B1), Cornbread_6 (B1), Cornobble_6 (B1), Cosmolli16_6 (B1), Craff_6 (B1), Crownjwl_7 (B1), DaddyDaniels_6 (B1), Daffy_6 (B1), Dati_6 (B1), DelRivs_6 (B1), Derpp_6 (B1), Dice_6 (B1), Dingo_6 (B1), Dione_6 (B1), DirtJuice_6 (B1), Doddsville_6 (B1), DoesntMatter_6 (B1), DolOn_8 (B1), DonSancho_6 (B1), DuchessDung_6 (B1), Duggie_6 (B1), Durga_6 (B1), ElvisPhasley_6 (B1), Emiris_6 (B1), EmpTee_6 (B1), Eremos_6 (B1), Eugenia_6 (B1), Fang_6 (B1), Flake_7 (B1), FleetyMac_6 (B1), Fozzie_6 (B1), Frankicide_6 (B1), Freya_6 (B1), FriarPreacher_6 (B1), Fringe_6 (B1), FugateOSU_6 (B1), Gareth_6 (B1), GeneCoco_6 (B1), Giraffe_6 (B1), Gophee_6 (B1), Grand2040_6 (B1), Gwennie1_6 (B1), Gwilliam_6 (B1), Gyarad_006 (B1), HSavage_6 (B1), Haimas_6 (B1), Haleema_6 (B1), Hamish_6 (B1), Happabalu_6 (B1), Hartsy_6 (B1), Harvey_6 (B1), Hashim76_11 (B13), Held_6 (B1), HenryJackson_6 (B1), Hertubise_6 (B1), Hetaeria_6 (B1), HighStump_6 (B1), Hocus_6 (B1), HogWash_6 (B1), Horchata_6 (B1), Inchworm_6 (B1), Inverness_6 (B1), Iridessa_6 (B1), Iridoclysis_6 (B1), IsaacEli_6 (B1), JDog_6 (B1), JakeO_6 (B1), JangoPhett_6 (B1), Jesabah_6 (B1), Jillium_6 (B1), Jiminy_6 (B1), Jiraiya_6 (B1), KLUcky39_6 (B1), Kahve_6 (B1), Kailash_6 (B1), Keitherie_6 (B1), Kikipoo_6 (B1), Kimbrough_6 (B1), KingTut_6 (B1), KingVeVeVe_6 (B1), KlimbOn_6 (B1), Kloppinator_6 (B1), Kwadwo_6 (B1), Kwksand96_6 (B1), Labeouficaum_6 (B1), Larson_7 (B1), LasagnaCat_6 (B1), Lasso_6 (B1), LeeLot_6 (B1), Lego3393_6 (B1), Legolas_6 (B1), LemonSlice_6 (B1), LittleMinkey_12 (B13), Longacauda_6 (B1), Lopsy_6 (B1), LostAndPhound_6 (B1), LuckyMarjie_6 (B1), Lulumae_6 (B1), Lulwa_6 (B1), Lumine_6 (B1), MRabcd_6 (B1), Mag7_6 (B1), Magic8_6 (B1), Mana_6 (B1), Manad_6 (B1), Maru_6 (B1), Matalotodo_6 (B1), Mcshane_6 (B1), Mecca_6 (B1), Megamind20_7 (B1), Megatron_6 (B1), Melc17_6 (B1), MelsMeow_6 (B1), Mesh1_6 (B1), Mesmerelda_6 (B1), MichaelPhcott_6 (B1), Mikota_6 (B1), MiniBoss_6 (B1), MitKao_6 (B1), Morgushi_6 (B1), Morty_6 (B1), Mosaic_6 (B1), Mulan_6 (B1), Murdoc_6 (B1), Mutante_6 (B1), Nacho_006 (B1), Nathan_6 (B1), Newman_6 (B1), Nicole21_6 (B1), Numberben_6 (B1), Nyala_6 (B1), OSmaximus_6 (B1), Olak_6 (B1), Oline_6 (B1), OliverWalter_6 (B1), Omniscient_6 (B1), Oosterbaan_6 (B1), Orfeu_6 (B1), Orion_6 (B1), Orwigg_6 (B1), PG1_6 (B1), Pacifista_6 (B1), PallasAthena_7 (B1), PenguinLover67_10 (B9), Phamished_6 (B1), Phareon_6 (B1), PhatCats2014_6 (B1), PhatLouie_6 (B1), PhenghisKhan_6 (B1), Pherdinand_6 (B1), Phergie_6 (B1), Phipps_6 (B1), Phleuron_6 (B1), PhrankReynolds_6 (B1), PhrodoBaggins_6 (B1), Phunky_6 (B1), Piglet_006 (B1), PinheadLarry_6 (B1), Pinkman_6 (B1), Pipsqueak_6 (B1), Placalicious_6 (B1), Plata_6 (B1), Plmatters_6 (B1), Podrick_6 (B1), Pops_6 (B1), Potter_6 (B1), ProfessorX_6 (B1), Puhltonio_6 (B1), QueenBeane_6 (B1), Quesadilla_9 (B9), Quisquiliae_6 (B1), RedMaple_6 (B1), RedRaider89_7 (B1), Ricotta_6 (B1), Riggan_6 (B1), Riverton_6 (B1), Robyn_6 (B1), Roliet_6 (B1), Roscoe_7 (B1), Roy17_6 (B1), SDcharge11_6 (B1), Saguaro_9 (B7), Samaymay_6 (B1), SassyCat97_6 (B1), Schadenfreude_6 (B1), Scoot17C_6 (B1), Scrick_6 (B1), Selr12_6 (B1), Serendipity_6 (B1), Serpentine_006 (B1), ShadowBud_7 (B1), Sheila_6 (B1), ShiVal_6 (B1), Sigman_6 (B1), SilverBell_6 (B1), Simielle_6 (B1), Skippy_6 (B1), Slatt_6 (B1), Soile_6 (B1), Solosis_6 (B1), Sophia_6 (B1), Soto_6 (B1), Spartan300_6 (B1), Squid_6 (B1), Squiggle_6 (B1), Struggle_6 (B1), Suffolk_6 (B1), Surely_6 (B1), Swish_6 (B1), TallGrassMM_6 (B1), Telesworld_6 (B1), Thonko_3 (B8), Thora_6 (B1), ThreeOh3D2_6 (B1), Timmi_6 (B1), TomBombadil_6 (B1), Tomlarah_6 (B1), Toni_6 (B1), TooFast2Furious_8 (B1), Tooj_6 (B1), Triad_6 (B1), True_6 (B1), Trypo_6 (B1), TyrionL_6 (B1), UAch1_6 (B1), UncleHowie_6 (B1), Usavi_6 (B1), Vaishali24_6 (B1), Valjean_6 (B1), Vaticameos_6 (B1), Veritas_6 (B1),

Virapocalypse_6 (B1), Virgeve_6 (B1), Vista_6 (B1), Vivaldi_6 (B1), Vortex_6 (B1), Wallhey_6 (B1), Waterdiva_6 (B1), Weher20_6 (B1), Windsor_6 (B1), Xavier_6 (B1), Yoshand_6 (B1), YouGoGlencoco_6 (B1), Zaider_7 (B1), Zelda_6 (B1), Zenteno07_11 (B13), Zonia_6 (B1),

Start 197:

- Found in 79 of 900 (8.8%) of genes in pham
- Manual Annotations of this start: 49 of 773
- Called 64.6% of time when present
- Phage (with cluster) where this start called: Affeca_69 (DE1), Ailee_66 (DE1), Ali17_61 (DE2), Angelicage_67 (DE1), Baddon_65 (DE1), Baumdotcom_65 (DE1), Bizzy_67 (DE1), BobBob_69 (DE1), Brandonk123_73 (DE1), ChadMasterC_68 (DE1), Charming_72 (DE1), Derg_61 (DE1), Fitzgerald_67 (DE1), Flatwoods_67 (DE1), Fosterous_71 (DE1), FuegoCuervo_70 (DE1), Galadriel_68 (DE1), Gustavo_68 (DE1), Hans_66 (DE2), Inspectinfecti_65 (DE2), JKSyngboy_65 (DE1), Jabberwocky_67 (DE1), Kamashten_67 (DE1), Keitabear_67 (DE1), Kewpiedoll_67 (DE1), Kroos_66 (DE1), Kwobi_70 (DE1), Leonard_64 (DE2), Love_73 (DE1), McCrothy_67 (DE1), McKinley_69 (DE1), MoontowerMania_68 (DE1), Nordenberg_67 (DE1), Paries_70 (DE1), Phauci_56 (DE2), Phinally_64 (DE2), Ribeye_67 (DE1), RiverRaider_69 (DE1), Rofo_69 (DE1), Sanjuju_67 (DE1), Saronaya_68 (DE1), Sedona_67 (DE1), Shivanishola_68 (DE1), StorminNorm_67 (DE1), Stultus_64 (DE1), Tangent_71 (DE1), Tangerine_67 (DE1), Thing3_67 (DE1), Tycho_65 (DE1), Vivi2_73 (DE1), YorkOnyx_68 (DE1),

Start 198:

- Found in 3 of 900 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 773
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BigHunkinEater_66 (DE4), ViaConlectus_65 (DE4), Zitch_68 (DE4),

Start 199:

- Found in 26 of 900 (2.9%) of genes in pham
- Manual Annotations of this start: 21 of 773
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_66 (DE4), Abblin_66 (DE4), Belphegor_63 (DE2), CherryTomatoes_181 (DO), Chickadee_62 (DE3), Delrey21_65 (DE4), Dextert_63 (DE3), DoctorFroggo_65 (DE4), EMOore_63 (DE2), EdmundFerry_59 (DE3), GTE6_62 (DE3), Kwekel_62 (DE3), MelBins_67 (DE2), Natkenzie_66 (DE4), Pumpkiney_64 (DE4), Pupper_178 (DO), RoadKill_59 (DE3), SCentae_177 (DO), Sampson_68 (DE4), Scioto_66 (DE4), Skog_10 (DO), Tardus_66 (DE4), Tiamoceli_62 (DE3), Twonlo_60 (DE3), Verity_65 (DE4), Zipp_67 (DE4),

Start 200:

- Found in 7 of 900 (0.8%) of genes in pham
- Manual Annotations of this start: 5 of 773
- Called 85.7% of time when present
- Phage (with cluster) where this start called: FrankDeliGuy_50 (EG), Namago_54 (EG), SallyK_55 (EG), StrawberryJamm_57 (EG), WheelerS25_60 (EG), Zagie_54 (EG),

Start 201:

- Found in 231 of 900 (25.7%) of genes in pham

- Manual Annotations of this start: 161 of 773
- Called 86.1% of time when present
- Phage (with cluster) where this start called: 32HC_71 (Z), 39HC_05 (B6), 40BC_05 (B6), Abinghost_8 (B3), Acadian_8 (B5), Ahwei_6 (B4), Akoma_8 (B3), AksarBAT_6 (DR), AlanGrant_8 (B4), Allegro_9 (B2), AnClar_5 (DR), AnarQue_8 (DR), Antihero_6 (B4), Apex_6 (B4), Ares_9 (B2), Arri_64 (DC1), Ashertheman_67 (DE1), Audrey_8 (B3), Austelle_7 (B4), Axumite_6 (DR), Baee_8 (B5), Bakery_68 (DC1), Baloo_8 (B3), Bananafish_9 (B2), Barb_65 (DC1), Ben11_7 (B3), Bernardo_8 (B3), BiggityBass_5 (DR), Blackpen_8 (DR), Blocker23_9 (B2), BobRoss2024_5 (DR), BobbyK_7 (B4), Boyle_9 (B2), BrownCNA_7 (B4), Brownie5_9 (B2), CaiB_8 (DR), Calamitous_9 (B2), Casbah_7 (B3), ChaChing_8 (B3), Chalmers_8 (B3), Chandler_8 (B3), CharlottesWeb_6 (DR), Chentzyk_7 (B3), CherryCola_65 (DC1), ClamChowder_65 (DC1), CloverMinnie_8 (DR), Clown_76 (DC2), Coffee_9 (B2), Coldpizza_8 (DR), Compostia_8 (B3), Corofin_8 (B3), CoveyB_64 (DC1), Danyall_64 (DC1), Deenasa_8 (B3), Devonte_8 (B3), DigitDog_8 (B5), Donny_8 (B5), Eaglehorse_9 (B2), EastView9101_8 (B5), Egi03_63 (DC1), Epah_6 (B4), Evaa_7 (DR), Evamon_62 (DC1), Fanaw_7 (B4), Faze9_9 (B2), FelixTres_8 (DR), Fireball_66 (DC1), ForDig_5 (B6), FrenchFry_9 (B2), Fresco_6 (DR), Fugax_66 (DC1), Funsized_11 (B9), Gadget_9 (B3), Gaea_67 (DE1), Gervas_8 (B3), Gezellig_61 (DC1), Glass_9 (B2), GlenHope_9 (B3), Glubnar_8 (B3), Godines_9 (B2), Halfpint_7 (B3), Hally898_6 (B4), Halo3_62 (DC1), Hangman_7 (B4), HarveySr_8 (B3), Heath_7 (B4), Heathcliff_8 (B3), Hedgerow_9 (B2), Holeinone_9 (B2), Hosp_03 (B6), Hydro_7 (B4), Imvubu_3 (B10), ItsyBitsy1_9 (B2), JAMaL_6 (B4), JaguarMi_7 (B4), Jambalaya_62 (DC1), Jolie1_05 (B6), JoyceMaria_7 (B4), Kamiyu_8 (B3), KarasumaRum_8 (B5), KayaCho_5 (B6), Kheth_9 (B2), KimmyK_64 (DC1), Kolhan_9 (B2), Kronus_7 (B3), Lambano_6 (B4), Lars_9 (B2), Laurie_9 (B2), Lephleur_9 (B2), LestyG_8 (B3), Ligma_6 (DR), LilHam_61 (DE1), LilMcDreamy_8 (B12), LilSmirk_9 (B2), LittleMunchkin_7 (DR), LizLemon_9 (B2), Magpie_7 (B4), MakoManhole_8 (DR), Mariokart_6 (DR), Marley1013_8 (B3), Marlia_8 (B3), MasterPo_9 (B2), MmasiCarm_8 (B3), Mortcellus_7 (B3), Morty007_8 (B3), MossRose_8 (DR), Mudslide_7 (B4), Mulaychimus_8 (B3), Mutzi_62 (DC1), Mysterious_8 (B5), NHagos_6 (DR), Nangang_8 (B5), Nehemiah_7 (B5), Neos5_8 (B3), Nigel_5 (B4), Nozo_8 (B3), Nubi_63 (DC1), Obutu_8 (B3), Olivio_7 (B3), Opia_9 (B2), Phantasmagoria_9 (B2), Phayeta_8 (B3), Phelemich_8 (B5), Philop_61 (DC1), PinkCoffee_65 (DC1), Portcullis_65 (DC1), PrinceCharming_9 (B2), Prince_7 (B4), PullumCavea_62 (DC1), RagingRooster_8 (B3), RawrgerThat_7 (B4), Reccee_8 (B5), Rem711_70 (Z), Reprobate_8 (B5), Rhinoforte_9 (B2), Rich_8 (B5), Rita130_8 (B5), Rita1961_8 (B3), RogerDodger_66 (DC1), Sabella_9 (B2), Salvador_62 (DC1), Savbucketdawg_62 (DC1), SchottB_64 (DE1), Serendipitous_8 (B5), Shatter_6 (DR), Shenandoah_8 (B3), Shenyu_8 (B5), Shinji_62 (DC1), SirJeffery_8 (B5), Sisko_5 (DR), SlippinJimmy_8 (B3), SmokingBunny_63 (DC1), Sour_9 (DR), Stinger_5 (B4), StinkyVeggy_8 (B5), Suigeneris_8 (B5), SwainyDoc_8 (B3), SynergyX_8 (B3), TillyBobJoe_63 (DC1), Tinciduntolum_10 (B2), TinyTerror_8 (B3), Togo_62 (DC1), TraderJ_8 (DR), Tres_9 (B2), Twister6_65 (DC1), Valary_64 (DC1), VanDeWege_65 (DC1), Vic9_00009 (B2), Vincenzo_8 (B4), VioletZ_7 (B4), Waleliano_7 (B4), West99_9 (B2), Wizard_61 (DC1), Wooper_8 (DR), Xincheng_7 (B4), Yago84_5 (DR), Yeshua_8 (DR), Yinz_8 (B3), YungMoney_63 (DC1),

Start 203:

- Found in 1 of 900 (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: E3_gp158 (singleton),

Start 207:

- Found in 1 of 900 (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: NovoPizza_81 (Q),

Start 209:

- Found in 3 of 900 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 773
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cloudyecho_52 (G3), MOOREtheMARYer_53 (G3), Pinnie_50 (G3),

Start 210:

- Found in 52 of 900 (5.8%) of genes in pham
- Manual Annotations of this start: 44 of 773
- Called 98.1% of time when present
- Phage (with cluster) where this start called: Altheas_57 (EG), AluminumJesus_52 (EG), BabyDotz_53 (EG), BaconCheese_58 (EG), BirdInFrench_61 (EG), Blab_52 (EG), CandC_60 (EG), Casend_54 (EG), DonaldDuck_53 (EG), EverythinBage1_52 (EG), Fizzles_56 (EG), Fransoyer_57 (EG), Gazebo_53 (EG), Grassboy_56 (EG), Hyperion_53 (EG), Jehoshaphat_55 (EG), Judebell_56 (EG), Kelcole_59 (EG), KillerQueen_62 (EG), Kyva_56 (EG), Llemily_53 (EG), Lonelysoil_52 (EG), Marcie_66 (EG), Mashley_52 (EG), Mentos_58 (EG), Mila11_56 (EG), MorillMayhem_54 (EG), Nike_54 (EG), OneinaGillian_61 (EG), Pepe25_60 (EG), Phabia_53 (EG), Phinky_62 (EG), Quammi_51 (EG), RobinRose_63 (EG), Romm_63 (EG), Rowlf_50 (EG), RubyRalph_59 (EG), Rudy_51 (EG), SadLad_60 (EG), Sillytadpoles_54 (EG), SlySloth_56 (EG), Squash_56 (EG), Statler_55 (EG), Teehee_54 (EG), Tempo_61 (EG), Tissue_55 (EG), Viceroy_52 (EG), Wayne3_55 (EG), Wheelie_53 (EG), Wilca_61 (EG), Zhafia_56 (EG),

Start 211:

- Found in 1 of 900 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 773
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pipp_79 (CV),

Start 213:

- Found in 4 of 900 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 773
- Called 75.0% of time when present
- Phage (with cluster) where this start called: BlingBling_70 (CV), JuJu_82 (CV), Lysidious_76 (CV),

Start 214:

- Found in 22 of 900 (2.4%) of genes in pham
- Manual Annotations of this start: 13 of 773
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antuna_38 (GA), Appa_37 (GA), Blett_37 (GA), Bush_38 (GA), Carrillo_39 (GA), CookieDog_37 (GA), Dropshot_37 (GA), Guzman_37 (GA), Jakelyne_40 (GA), Losacky_38 (GA), Mariel_40 (GA), MenE_38 (GA), NCRodriguez_38 (GA), PhillyJawn_38 (GA), Phingu_40 (GA),

Phonegingi_37 (GA), Pickles13_36 (GA), Sleepyhead_61 (singleton), Violeta_39 (GA), Warren_37 (GA), Whack_67 (singleton), Winchester007_53 (GA),

Start 215:

- Found in 66 of 900 (7.3%) of genes in pham
- Manual Annotations of this start: 51 of 773
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Amochick_75 (Q), Amymech_74 (Q), Archis_77 (CV), Azula_80 (CV), Barco_72 (CV), Begonia_73 (CV), Blino_77 (CV), BloominB_74 (Q), Blueberry_79 (CV), CaptainKirk2_75 (CV), CarolAnn_76 (CV), CheeseSpider_86 (CV), DeepSoil15_74 (Q), Delian_78 (CV), Ein37_74 (Q), Evanesce_73 (Q), Eyre_59 (singleton), Fairfaxidum_77 (CV), Fenry_74 (CV), Frokostdame_79 (CV), Gambino_82 (CV), Gancho_73 (Q), Guacamole_73 (CV), HH92_73 (Q), Hitter_73 (CV), Jalammah_78 (CV), JasperJr_73 (CV), KappaFarmDelta_74 (CV), Kinbote_72 (Q), LilHazelNut_74 (Q), Malachai_73 (CV), Melba_74 (CV), Mellie_72 (CV), MintFen_75 (CV), MissRona_80 (CV), Murp_73 (CV), OBUpride_73 (Q), Obliviate_74 (CV), PCoral7_74 (CV), Petra_80 (CV), PhrostedPhlake_81 (CV), PrincePatrick_76 (CV), Samba_75 (CV), Toast_74 (CV), Ubuntu_74 (Q), UmaThurman_76 (CV), Utz_66 (CV), Walrus_73 (CV), Webster2_74 (Q), William_77 (CV), Wisp_73 (CV), Wocket_74 (CV), Zarbodnamra_79 (CV), ZiggyZoo_76 (CV), Zilla_73 (CV),

Start 216:

- Found in 89 of 900 (9.9%) of genes in pham
- Manual Annotations of this start: 6 of 773
- Called 7.9% of time when present
- Phage (with cluster) where this start called: FremontTroll_7 (B1), JacAttac_6 (B1), Olive_6 (B1), Rabbs_53 (G1), Sneeze_52 (G1), Taheera_49 (G1), Terror_49 (G1),

Start 225:

- Found in 6 of 900 (0.7%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: YangYin_52 (G5),

Start 226:

- Found in 1 of 900 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 773
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sunfish_68 (singleton),

Start 227:

- Found in 322 of 900 (35.8%) of genes in pham
- Manual Annotations of this start: 4 of 773
- Called 2.5% of time when present
- Phage (with cluster) where this start called: Aonishiki_7 (B1), BoogieWoogie_6 (B1), Daka_6 (B1), FluffyNinja_6 (B1), Lehmann_7 (B1), Prickles_6 (B1), Rimu_6 (B1), SallyH_7 (B1),

Start 231:

- Found in 162 of 900 (18.0%) of genes in pham
- Manual Annotations of this start: 7 of 773
- Called 6.2% of time when present

- Phage (with cluster) where this start called: Andre_6 (B1), Charles1_6 (B1), Katniss_6 (B1), Khan1_6 (B1), LeiMonet_6 (B1), MrPhizzler_6 (B1), Schueller_6 (B1), SirBeauregard_6 (B1), Swiphy_6 (B1), Thunderbird_6 (B1),

Start 232:

- Found in 5 of 900 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 773
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Lemuria_53 (G4),

Start 233:

- Found in 48 of 900 (5.3%) of genes in pham
- No Manual Annotations of this start.
- Called 2.1% of time when present
- Phage (with cluster) where this start called: Kaleb_9 (B2),

Start 235:

- Found in 29 of 900 (3.2%) of genes in pham
- Manual Annotations of this start: 11 of 773
- Called 37.9% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_59 (BG), Asis_60 (BG), BabyGotBac_61 (BG), BayC_60 (BG), Maih_59 (BG), Mischief19_67 (BG), RainyPolka_58 (BG), Salete_60 (BG), TP1604_60 (BG), Xkcd426_61 (BG), YDN12_59 (BG),

Start 237:

- Found in 84 of 900 (9.3%) of genes in pham
- Manual Annotations of this start: 69 of 773
- Called 98.8% of time when present
- Phage (with cluster) where this start called: AizenPogi_50 (G1), Angel_51 (G1), Annihilator_51 (G1), Antsirabe_51 (G5), Aroostook_51 (G1), AuntGwenStacy_83 (Y), Avocado_52 (G2), Avrafan_51 (G1), AzulaCat_51 (G1), BPs_51 (G1), BQuat_51 (G1), Barkley26_50 (G1), Bipper_88 (Y), BruceB_51 (G1), CLED96_51 (G1), Cambiare_51 (G2), Camri_51 (G1), CassieYates_51 (G1), Cedasite_51 (G1), Chance64_51 (G1), Cherrybomb426_51 (G1), Coleslaw_51 (G1), Cracklewink_89 (Y), Crespo_50 (G1), DMoney_50 (G1), DNAIII_0049 (G1), Darionha_51 (G1), DingDing_49 (G1), ECartman_49 (G1), Faiyaz_85 (Y), FlagStaff_49 (G2), Frosty24_51 (G1), Gideon_52 (G1), GodSpeed_49 (G2), GoldenAsh_50 (G1), Gomashi_50 (G1), Grizzly_51 (G1), Halo_51 (G1), Hilltopfarm_84 (Y), Hope_51 (G1), Hotshotbaby7_51 (G1), Jane_51 (G1), Jeilious_50 (G), Jolene_51 (G1), Jolie2_51 (G4), Jonghyun_49 (G1), JorRay_51 (G1), Kareem_51 (G1), Kasen3_51 (G1), Liefie_50 (G1), LouisV14_53 (G1), Maliketh_49 (G1), Marmie_51 (G1), Mercurio_53 (G4), Mowgli_51 (G1), Neoh_50 (G), OctaviousRex_50 (G1), Olga_51 (G1), Pace1224_50 (G2), Paito_53 (G1), Peeb_50 (G1), Periodt_51 (G1), Phish_50 (G1), Phloodle_49 (G1), Phreak_51 (G1), PinkYoshi_51 (G1), Plagueis_51 (G1), Rattrick_51 (G1), Remy19_51 (G1), Renaissance_51 (G1), Richarlison_49 (G1), Ruriko_49 (G1), Schiebel_51 (G1), ShaboiShabazz_50 (G1), Sizemore_51 (G1), Stargaze_52 (G5), Sweets_50 (G1), TinaBug_51 (G1), TomBrady_51 (G1), Typha_83 (Y), Wendigo_49 (G1), ZoMa_49 (G1), Zombie_50 (G1),

Start 244:

- Found in 2 of 900 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 773

- Called 100.0% of time when present
- Phage (with cluster) where this start called: JrWilcox_109 (GL), ValentiniPuff_108 (singleton),

Start 246:

- Found in 27 of 900 (3.0%) of genes in pham
- Manual Annotations of this start: 1 of 773
- Called 3.7% of time when present
- Phage (with cluster) where this start called: Rosebush_9 (B2),

Start 252:

- Found in 8 of 900 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 773
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Cooper_7 (B4),

Start 256:

- Found in 59 of 900 (6.6%) of genes in pham
- Manual Annotations of this start: 1 of 773
- Called 1.7% of time when present
- Phage (with cluster) where this start called: Phaedrus_7 (B3),

Start 258:

- Found in 4 of 900 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: phiAsp2_46 (singleton),

Start 288:

- Found in 457 of 900 (50.8%) of genes in pham
- Manual Annotations of this start: 4 of 773
- Called 1.1% of time when present
- Phage (with cluster) where this start called: Ashraf_6 (B1), Chuni_6 (B1), Etaye_6 (B1), ImtiyazSitla_6 (B1), Maskar_6 (B1),

Summary by clusters:

There are 39 clusters represented in this pham: DO, singleton, BG, B12, B13, B10, B11, DR, G5, Z, G3, G2, G1, G, AI, AH, EG, Q, G4, GA, Y, GL, DC2, CV, DC1, DE1, DE2, DE3, DE4, DE5, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster AH:

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

Info for manual annotations of cluster AI:

- Start number 188 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster B1:

- Start number 195 was manually annotated 263 times for cluster B1.
- Start number 216 was manually annotated 2 times for cluster B1.
- Start number 227 was manually annotated 4 times for cluster B1.
- Start number 231 was manually annotated 7 times for cluster B1.
- Start number 288 was manually annotated 4 times for cluster B1.

Info for manual annotations of cluster B10:

- Start number 201 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 182 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 201 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 182 was manually annotated 1 time for cluster B13.
- Start number 195 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B2:

- Start number 134 was manually annotated 3 times for cluster B2.
- Start number 201 was manually annotated 32 times for cluster B2.
- Start number 246 was manually annotated 1 time for cluster B2.

Info for manual annotations of cluster B3:

- Start number 153 was manually annotated 4 times for cluster B3.
- Start number 155 was manually annotated 7 times for cluster B3.
- Start number 201 was manually annotated 38 times for cluster B3.
- Start number 256 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster B4:

- Start number 171 was manually annotated 4 times for cluster B4.
- Start number 193 was manually annotated 2 times for cluster B4.
- Start number 201 was manually annotated 18 times for cluster B4.
- Start number 252 was manually annotated 1 time for cluster B4.

Info for manual annotations of cluster B5:

- Start number 201 was manually annotated 10 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 201 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B7:

- Start number 195 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 195 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 162 was manually annotated 1 time for cluster B9.
- Start number 193 was manually annotated 1 time for cluster B9.
- Start number 195 was manually annotated 3 times for cluster B9.
- Start number 201 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster BG:

- Start number 235 was manually annotated 11 times for cluster BG.

Info for manual annotations of cluster CV:

- Start number 211 was manually annotated 1 time for cluster CV.
- Start number 213 was manually annotated 3 times for cluster CV.
- Start number 215 was manually annotated 38 times for cluster CV.

Info for manual annotations of cluster DC1:

- Start number 201 was manually annotated 31 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 201 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 136 was manually annotated 1 time for cluster DE1.
- Start number 158 was manually annotated 1 time for cluster DE1.
- Start number 177 was manually annotated 3 times for cluster DE1.
- Start number 197 was manually annotated 43 times for cluster DE1.
- Start number 201 was manually annotated 4 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 197 was manually annotated 6 times for cluster DE2.
- Start number 199 was manually annotated 3 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 199 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 198 was manually annotated 2 times for cluster DE4.
- Start number 199 was manually annotated 7 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 194 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DO:

- Start number 199 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster DR:

- Start number 201 was manually annotated 21 times for cluster DR.

Info for manual annotations of cluster EG:

- Start number 200 was manually annotated 5 times for cluster EG.
- Start number 210 was manually annotated 44 times for cluster EG.

Info for manual annotations of cluster G1:

- Start number 216 was manually annotated 4 times for cluster G1.
- Start number 237 was manually annotated 58 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 237 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 209 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 232 was manually annotated 1 time for cluster G4.
- Start number 237 was manually annotated 1 time for cluster G4.

Info for manual annotations of cluster G5:

- Start number 237 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster GA:

- Start number 214 was manually annotated 11 times for cluster GA.

Info for manual annotations of cluster Q:

- Start number 163 was manually annotated 10 times for cluster Q.
- Start number 215 was manually annotated 12 times for cluster Q.

Info for manual annotations of cluster Y:

- Start number 237 was manually annotated 5 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 201 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_71 Start: 43501, Stop: 44121, Start Num: 201

Candidate Starts for 32HC_71:

(Start: 201 @43501 has 161 MA's), (206, 43510), (208, 43513), (230, 43552), (247, 43591), (279, 43657), (283, 43675), (310, 43726), (373, 43900), (391, 43969), (393, 43978),

Gene: 39HC_05 Start: 4719, Stop: 4141, Start Num: 201

Candidate Starts for 39HC_05:

(Start: 201 @4719 has 161 MA's), (262, 4596), (269, 4587), (Start: 288 @4545 has 4 MA's), (310, 4503), (323, 4470), (343, 4428), (350, 4404), (362, 4377), (366, 4365), (368, 4362), (388, 4290), (407, 4263), (412, 4236), (417, 4221), (419, 4218), (443, 4185), (454, 4161),

Gene: 40BC_05 Start: 4719, Stop: 4141, Start Num: 201

Candidate Starts for 40BC_05:

(Start: 201 @4719 has 161 MA's), (262, 4596), (269, 4587), (Start: 288 @4545 has 4 MA's), (310, 4503), (323, 4470), (343, 4428), (350, 4404), (362, 4377), (366, 4365), (368, 4362), (388, 4290), (407, 4263), (412, 4236), (417, 4221), (419, 4218), (443, 4185), (454, 4161),

Gene: ABU_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for ABU_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: APunk_66 Start: 49707, Stop: 50354, Start Num: 199

Candidate Starts for APunk_66:

(170, 49656), (Start: 199 @49707 has 21 MA's), (242, 49785), (265, 49827), (269, 49833), (301, 49899), (342, 50001), (345, 50016), (370, 50076), (372, 50085), (388, 50151), (390, 50160), (428, 50238), (443, 50265), (471, 50343),

Gene: Abblin_66 Start: 50003, Stop: 50650, Start Num: 199

Candidate Starts for Abblin_66:

(113, 49841), (116, 49847), (122, 49865), (170, 49952), (Start: 199 @50003 has 21 MA's), (242, 50081), (265, 50123), (269, 50129), (301, 50195), (310, 50213), (342, 50297), (345, 50312), (370, 50372), (372, 50381), (388, 50447), (390, 50456), (428, 50534), (443, 50561), (471, 50639),

Gene: Abinghost_8 Start: 5414, Stop: 4863, Start Num: 201

Candidate Starts for Abinghost_8:

(Start: 153 @5489 has 4 MA's), (164, 5471), (Start: 201 @5414 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: AbsoluteMadLad_6 Start: 3914, Stop: 3360, Start Num: 195

Candidate Starts for AbsoluteMadLad_6:

(Start: 195 @3914 has 270 MA's), (Start: 216 @3884 has 6 MA's), (Start: 227 @3869 has 4 MA's), (Start: 288 @3764 has 4 MA's), (323, 3689), (339, 3653), (343, 3647), (385, 3518), (388, 3509), (445, 3398),

Gene: Abt2graduatex2_59 Start: 48650, Stop: 49240, Start Num: 235

Candidate Starts for Abt2graduatex2_59:

(Start: 235 @48650 has 11 MA's), (272, 48701), (280, 48725), (290, 48752), (298, 48776), (308, 48809), (320, 48836), (321, 48839), (332, 48869), (350, 48908), (357, 48923), (366, 48950), (368, 48953), (392, 49043), (405, 49064), (417, 49112), (432, 49142), (448, 49178),

Gene: Acadian_8 Start: 6215, Stop: 5649, Start Num: 201

Candidate Starts for Acadian_8:

(Start: 201 @6215 has 161 MA's), (Start: 235 @6158 has 11 MA's), (Start: 288 @6056 has 4 MA's), (323, 5978), (343, 5936), (350, 5912), (362, 5885), (366, 5873), (388, 5798), (407, 5771), (435, 5699), (443, 5693),

Gene: Adriana_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Adriana_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Aelin_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Aelin_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Affeca_69 Start: 51998, Stop: 52636, Start Num: 197

Candidate Starts for Affeca_69:

(Start: 197 @51998 has 49 MA's), (284, 52148), (324, 52238), (342, 52277), (345, 52292), (365, 52340), (368, 52346), (384, 52406), (394, 52439), (424, 52520), (453, 52577),

Gene: Ahwei_6 Start: 5143, Stop: 4583, Start Num: 201

Candidate Starts for Ahwei_6:

(Start: 193 @5152 has 3 MA's), (Start: 201 @5143 has 161 MA's), (Start: 288 @4987 has 4 MA's), (295, 4975), (320, 4918), (339, 4876), (343, 4870), (345, 4858), (362, 4819), (384, 4744), (394, 4711), (412, 4678), (413, 4675), (417, 4663), (419, 4660), (453, 4606),

Gene: Ailee_66 Start: 51033, Stop: 51671, Start Num: 197

Candidate Starts for Ailee_66:

(89, 50802), (97, 50826), (Start: 136 @50931 has 1 MA's), (Start: 158 @50979 has 1 MA's), (Start: 177 @51000 has 3 MA's), (Start: 197 @51033 has 49 MA's), (284, 51183), (324, 51273), (342, 51312), (345, 51327), (365, 51375), (368, 51381), (394, 51474), (424, 51555), (453, 51612),

Gene: AizenPogi_50 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for AizenPogi_50:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Akoma_8 Start: 5414, Stop: 4863, Start Num: 201

Candidate Starts for Akoma_8:

(Start: 153 @5489 has 4 MA's), (164, 5471), (Start: 201 @5414 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: AksarBAT_6 Start: 4853, Stop: 4311, Start Num: 201

Candidate Starts for AksarBAT_6:

(70, 5168), (Start: 201 @4853 has 161 MA's), (229, 4802), (273, 4754), (323, 4643), (360, 4559), (362, 4550), (364, 4544), (372, 4520), (384, 4475), (389, 4460), (417, 4391),

Gene: AlanGrant_8 Start: 6947, Stop: 6363, Start Num: 201

Candidate Starts for AlanGrant_8:

(Start: 201 @6947 has 161 MA's), (Start: 252 @6842 has 1 MA's), (Start: 288 @6773 has 4 MA's), (323, 6695), (343, 6653), (345, 6641), (350, 6629), (362, 6602), (368, 6587), (384, 6527), (394, 6494), (414, 6452), (429, 6428),

Gene: Aleia_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Aleia_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Ali17_61 Start: 48704, Stop: 49351, Start Num: 197

Candidate Starts for Ali17_61:

(Start: 197 @48704 has 49 MA's), (242, 48782), (269, 48830), (277, 48845), (297, 48902), (301, 48914), (306, 48932), (320, 48974), (342, 49025), (366, 49091), (368, 49094), (386, 49160), (388, 49166), (417, 49238), (443, 49280), (453, 49301),

Gene: Allegro_9 Start: 6474, Stop: 7049, Start Num: 201

Candidate Starts for Allegro_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (147, 6378), (148, 6381), (Start: 201 @6474 has 161 MA's), (233, 6531), (238, 6543), (Start: 246 @6561 has 1 MA's), (295, 6654), (300, 6663), (339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888), (388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: AltPhacts_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for AltPhacts_6:

(Start: 195 @3919 has 270 MA's), (Start: 216 @3889 has 6 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514),

Gene: Altheas_57 Start: 42348, Stop: 41770, Start Num: 210

Candidate Starts for Altheas_57:

(Start: 210 @42348 has 44 MA's), (271, 42237), (357, 42027), (372, 41982), (375, 41976), (384, 41937), (389, 41922), (413, 41868), (454, 41793),

Gene: Altwerkus_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Altwerkus_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: AluminumJesus_52 Start: 41548, Stop: 40976, Start Num: 210

Candidate Starts for AluminumJesus_52:

(Start: 210 @41548 has 44 MA's), (243, 41482), (312, 41344), (314, 41335), (320, 41317), (364, 41209), (370, 41194), (372, 41185), (384, 41140), (388, 41128), (422, 41053), (440, 41023), (454, 40999),

Gene: Amochick_75 Start: 48792, Stop: 49403, Start Num: 215

Candidate Starts for Amochick_75:

(67, 48474), (Start: 163 @48711 has 10 MA's), (172, 48720), (Start: 197 @48762 has 49 MA's), (Start: 215 @48792 has 51 MA's), (264, 48873), (297, 48957), (305, 48981), (307, 48990), (321, 49020), (334, 49053), (362, 49119), (375, 49155), (386, 49209), (392, 49233), (394, 49236), (406, 49251), (412, 49278), (417, 49293), (421, 49302), (431, 49320), (437, 49335),

Gene: Amymech_74 Start: 48245, Stop: 48856, Start Num: 215

Candidate Starts for Amymech_74:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start: 215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334, 48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412, 48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: AnClar_5 Start: 5209, Stop: 4682, Start Num: 201

Candidate Starts for AnClar_5:

(Start: 201 @5209 has 161 MA's), (260, 5134), (356, 4939), (357, 4936), (364, 4915), (372, 4891), (375, 4885), (384, 4846), (389, 4831), (394, 4813), (413, 4777), (417, 4765), (454, 4702),

Gene: AnarQue_8 Start: 6372, Stop: 5821, Start Num: 201

Candidate Starts for AnarQue_8:

(154, 6432), (Start: 163 @6417 has 10 MA's), (169, 6411), (Start: 201 @6372 has 161 MA's), (Start: 227 @6327 has 4 MA's), (229, 6321), (Start: 288 @6234 has 4 MA's), (299, 6216), (320, 6165), (321, 6162), (323, 6159), (364, 6060), (388, 5979), (417, 5907), (456, 5832),

Gene: Anderson_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Anderson_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Andre_6 Start: 3865, Stop: 3365, Start Num: 231

Candidate Starts for Andre_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445,

3403),

Gene: Angel_51 Start: 36899, Stop: 37489, Start Num: 237

Candidate Starts for Angel_51:

(17, 36227), (18, 36230), (61, 36521), (99, 36650), (129, 36722), (202, 36845), (218, 36866), (222, 36872), (Start: 237 @36899 has 69 MA's), (262, 36947), (300, 37043), (308, 37070), (319, 37091), (321, 37097), (329, 37121), (366, 37208), (376, 37238), (384, 37271), (387, 37280), (399, 37319), (410, 37358), (417, 37385), (450, 37454),

Gene: AngelCake_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for AngelCake_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Angelicage_67 Start: 51950, Stop: 52588, Start Num: 197

Candidate Starts for Angelicage_67:

(Start: 197 @51950 has 49 MA's), (284, 52100), (324, 52190), (342, 52229), (345, 52244), (365, 52292), (368, 52298), (384, 52358), (394, 52391), (424, 52472), (453, 52529),

Gene: Annihilator_51 Start: 36905, Stop: 37495, Start Num: 237

Candidate Starts for Annihilator_51:

(17, 36233), (18, 36236), (61, 36527), (99, 36656), (129, 36728), (202, 36851), (218, 36872), (222, 36878), (Start: 237 @36905 has 69 MA's), (262, 36953), (300, 37049), (308, 37076), (319, 37097), (321, 37103), (329, 37127), (366, 37214), (376, 37244), (384, 37277), (387, 37286), (399, 37325), (410, 37364), (417, 37391), (450, 37460),

Gene: Antihero_6 Start: 5143, Stop: 4583, Start Num: 201

Candidate Starts for Antihero_6:

(Start: 193 @5152 has 3 MA's), (Start: 201 @5143 has 161 MA's), (Start: 288 @4987 has 4 MA's), (295, 4975), (320, 4918), (339, 4876), (343, 4870), (345, 4858), (362, 4819), (384, 4744), (394, 4711), (412, 4678), (413, 4675), (417, 4663), (419, 4660), (453, 4606),

Gene: Antonia_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Antonia_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Antsirabe_51 Start: 38179, Stop: 38778, Start Num: 237

Candidate Starts for Antsirabe_51:

(219, 38131), (225, 38140), (Start: 237 @38179 has 69 MA's), (250, 38206), (262, 38227), (303, 38332), (308, 38350), (320, 38374), (321, 38377), (376, 38518), (384, 38551), (385, 38554), (387, 38560), (410, 38635), (417, 38662), (465, 38764),

Gene: Antuna_38 Start: 22691, Stop: 23254, Start Num: 214

Candidate Starts for Antuna_38:

(Start: 214 @22691 has 13 MA's), (222, 22703), (233, 22721), (262, 22784), (287, 22826), (303, 22862), (306, 22865), (326, 22916), (334, 22931), (340, 22943), (351, 22976), (355, 22982), (382, 23072), (384, 23078), (388, 23090), (413, 23144),

Gene: Aonishiki_7 Start: 3873, Stop: 3364, Start Num: 227

Candidate Starts for Aonishiki_7:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445,

3402),

Gene: Apex_6 Start: 5787, Stop: 5203, Start Num: 201

Candidate Starts for Apex_6:

(Start: 162 @5847 has 1 MA's), (Start: 171 @5838 has 4 MA's), (Start: 193 @5796 has 3 MA's), (Start: 201 @5787 has 161 MA's), (Start: 252 @5682 has 1 MA's), (254, 5679), (269, 5655), (Start: 288 @5613 has 4 MA's), (295, 5601), (320, 5538), (343, 5490), (368, 5424), (384, 5364), (407, 5325), (412, 5298), (414, 5292), (417, 5283), (419, 5280), (443, 5247), (453, 5226),

Gene: Apizium_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Apizium_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Appa_37 Start: 22568, Stop: 23131, Start Num: 214

Candidate Starts for Appa_37:

(Start: 214 @22568 has 13 MA's), (222, 22580), (233, 22598), (262, 22661), (287, 22703), (303, 22739), (306, 22742), (326, 22793), (334, 22808), (340, 22820), (351, 22853), (355, 22859), (382, 22949), (384, 22955), (388, 22967), (413, 23021),

Gene: Arbiter_9 Start: 6447, Stop: 7139, Start Num: 134

Candidate Starts for Arbiter_9:

(124, 6429), (Start: 134 @6447 has 3 MA's), (147, 6468), (148, 6471), (Start: 201 @6564 has 161 MA's), (233, 6621), (238, 6633), (Start: 246 @6651 has 1 MA's), (295, 6744), (300, 6753), (323, 6807), (339, 6843), (341, 6846), (343, 6849), (357, 6885), (370, 6921), (372, 6930), (384, 6975), (385, 6978), (388, 6987), (414, 7047), (416, 7053), (417, 7056), (443, 7092), (454, 7116), (456, 7125),

Gene: Archis_77 Start: 45860, Stop: 46450, Start Num: 215

Candidate Starts for Archis_77:

(Start: 215 @45860 has 51 MA's), (325, 46082), (329, 46094), (332, 46100), (353, 46145), (361, 46163), (366, 46181), (368, 46184), (378, 46223), (379, 46226), (417, 46352),

Gene: Ares_9 Start: 6474, Stop: 7049, Start Num: 201

Candidate Starts for Ares_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (147, 6378), (148, 6381), (Start: 201 @6474 has 161 MA's), (233, 6531), (238, 6543), (Start: 246 @6561 has 1 MA's), (295, 6654), (300, 6663), (339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888), (388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: Aroostook_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Aroostook_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Arri_64 Start: 47218, Stop: 47817, Start Num: 201

Candidate Starts for Arri_64:

(Start: 201 @47218 has 161 MA's), (368, 47533), (372, 47548), (384, 47593), (411, 47650), (421, 47683), (427, 47692), (437, 47722), (443, 47734), (459, 47770), (468, 47800),

Gene: Ashertheman_67 Start: 50107, Stop: 50742, Start Num: 201

Candidate Starts for Ashertheman_67:

(152, 50029), (Start: 201 @50107 has 161 MA's), (324, 50344), (342, 50383), (345, 50398), (360, 50428), (365, 50446), (433, 50644),

Gene: Ashraf_6 Start: 3765, Stop: 3361, Start Num: 288

Candidate Starts for Ashraf_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Asis_60 Start: 48756, Stop: 49346, Start Num: 235

Candidate Starts for Asis_60:

(165, 48633), (Start: 235 @48756 has 11 MA's), (272, 48807), (280, 48831), (290, 48858), (298, 48882), (308, 48915), (320, 48942), (321, 48945), (332, 48975), (350, 49014), (357, 49029), (366, 49056), (368, 49059), (392, 49149), (402, 49164), (405, 49170), (417, 49218), (432, 49248), (448, 49284),

Gene: Athena_9 Start: 6248, Stop: 5625, Start Num: 155

Candidate Starts for Athena_9:

(Start: 155 @6248 has 7 MA's), (Start: 201 @6176 has 161 MA's), (Start: 256 @6095 has 1 MA's), (272, 6068), (Start: 288 @6029 has 4 MA's), (306, 5996), (311, 5984), (374, 5831), (384, 5789), (394, 5756), (412, 5723), (439, 5672), (454, 5645),

Gene: Audrey_8 Start: 5414, Stop: 4863, Start Num: 201

Candidate Starts for Audrey_8:

(Start: 153 @5489 has 4 MA's), (164, 5471), (Start: 201 @5414 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: AuntGwenStacy_83 Start: 54897, Stop: 55466, Start Num: 237

Candidate Starts for AuntGwenStacy_83:

(Start: 171 @54768 has 4 MA's), (173, 54771), (191, 54807), (Start: 237 @54897 has 69 MA's), (273, 54963), (304, 55053), (305, 55056), (320, 55086), (321, 55089), (345, 55146), (357, 55170), (362, 55185), (365, 55194), (366, 55197), (368, 55200), (371, 55212), (387, 55260), (401, 55281), (420, 55347), (431, 55368), (445, 55401), (455, 55422), (461, 55434),

Gene: Austelle_7 Start: 6243, Stop: 5680, Start Num: 201

Candidate Starts for Austelle_7:

(Start: 162 @6303 has 1 MA's), (Start: 171 @6294 has 4 MA's), (Start: 193 @6252 has 3 MA's), (Start: 201 @6243 has 161 MA's), (Start: 288 @6087 has 4 MA's), (295, 6075), (320, 6015), (339, 5973), (343, 5967), (345, 5955), (362, 5916), (366, 5904), (394, 5808), (412, 5775), (413, 5772), (417, 5760), (419, 5757), (443, 5724), (453, 5703),

Gene: Avocado_52 Start: 39158, Stop: 39742, Start Num: 237

Candidate Starts for Avocado_52:

(81, 38822), (161, 39035), (164, 39038), (Start: 237 @39158 has 69 MA's), (273, 39224), (310, 39332), (320, 39353), (329, 39380), (350, 39422), (365, 39461), (376, 39494), (384, 39527), (396, 39563), (410, 39611), (417, 39638), (448, 39704),

Gene: Avrafan_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Avrafan_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Axumite_6 Start: 4904, Stop: 4362, Start Num: 201

Candidate Starts for Axumite_6:

(39, 5378), (70, 5207), (Start: 201 @4904 has 161 MA's), (Start: 232 @4850 has 1 MA's), (269, 4811), (320, 4697), (375, 4565), (384, 4526), (388, 4514), (389, 4511), (397, 4487), (412, 4460), (442, 4406), (454, 4382),

Gene: Azula_80 Start: 50046, Stop: 50630, Start Num: 215

Candidate Starts for Azula_80:

(1, 48945), (2, 48966), (14, 49161), (19, 49203), (21, 49221), (28, 49341), (50, 49608), (65, 49704), (Start: 215 @50046 has 51 MA's), (267, 50127), (270, 50130), (298, 50199), (320, 50250), (321, 50253), (323, 50256), (342, 50295), (349, 50316), (378, 50403), (387, 50442), (390, 50454), (400, 50463), (417, 50523), (431, 50550),

Gene: AzulaCat_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for AzulaCat_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: BPs_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for BPs_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: BQuat_51 Start: 37351, Stop: 37941, Start Num: 237

Candidate Starts for BQuat_51:

(17, 36679), (18, 36682), (61, 36973), (99, 37102), (129, 37174), (202, 37297), (218, 37318), (222, 37324), (Start: 237 @37351 has 69 MA's), (262, 37399), (300, 37495), (308, 37522), (319, 37543), (321, 37549), (329, 37573), (366, 37660), (376, 37690), (384, 37723), (387, 37732), (399, 37771), (410, 37810), (417, 37837), (450, 37906),

Gene: BabyDotz_53 Start: 42140, Stop: 41568, Start Num: 210

Candidate Starts for BabyDotz_53:

(150, 42227), (Start: 210 @42140 has 44 MA's), (243, 42074), (312, 41936), (314, 41927), (320, 41909), (364, 41801), (370, 41786), (372, 41777), (384, 41732), (422, 41645), (440, 41615), (454, 41591),

Gene: BabyGotBac_61 Start: 48762, Stop: 49352, Start Num: 235

Candidate Starts for BabyGotBac_61:

(Start: 235 @48762 has 11 MA's), (272, 48813), (280, 48837), (290, 48864), (298, 48888), (308, 48921), (320, 48948), (321, 48951), (332, 48981), (350, 49020), (357, 49035), (366, 49062), (368, 49065), (392, 49155), (402, 49170), (405, 49176), (417, 49224), (432, 49254), (448, 49290),

Gene: BaconCheese_58 Start: 43227, Stop: 42655, Start Num: 210

Candidate Starts for BaconCheese_58:

(Start: 210 @43227 has 44 MA's), (243, 43161), (312, 43023), (314, 43014), (320, 42996), (364, 42888), (370, 42873), (372, 42864), (384, 42819), (388, 42807), (422, 42732), (440, 42702), (454, 42678),

Gene: Baddon_65 Start: 50788, Stop: 51423, Start Num: 197

Candidate Starts for Baddon_65:

(Start: 197 @50788 has 49 MA's), (324, 51025), (342, 51064), (345, 51079), (360, 51109), (362, 51118), (365, 51127), (413, 51286), (433, 51325),

Gene: Badfish_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Badfish_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Baee_8 Start: 6221, Stop: 5655, Start Num: 201

Candidate Starts for Baee_8:

(Start: 201 @6221 has 161 MA's), (Start: 235 @6164 has 11 MA's), (Start: 288 @6062 has 4 MA's), (320, 5990), (323, 5984), (325, 5975), (343, 5942), (350, 5918), (366, 5879), (384, 5816), (388, 5804), (407, 5777), (435, 5705), (443, 5699),

Gene: Bakery_68 Start: 49465, Stop: 50097, Start Num: 201

Candidate Starts for Bakery_68:

(Start: 201 @49465 has 161 MA's), (362, 49798), (372, 49828), (382, 49867), (390, 49894), (421, 49963), (423, 49966), (427, 49972), (437, 50002), (443, 50014), (459, 50050), (468, 50080),

Gene: Baloo_8 Start: 5414, Stop: 4863, Start Num: 201

Candidate Starts for Baloo_8:

(Start: 153 @5489 has 4 MA's), (164, 5471), (Start: 201 @5414 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: Bananafish_9 Start: 6474, Stop: 7049, Start Num: 201

Candidate Starts for Bananafish_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (137, 6360), (146, 6372), (147, 6378), (Start: 201 @6474 has 161 MA's), (240, 6546), (253, 6573), (295, 6654), (300, 6663), (339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888), (388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: Banjo_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Banjo_6:

(Start: 195 @3919 has 270 MA's), (Start: 216 @3889 has 6 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Barb_65 Start: 47095, Stop: 47694, Start Num: 201

Candidate Starts for Barb_65:

(Start: 201 @47095 has 161 MA's), (368, 47410), (372, 47425), (384, 47470), (411, 47527), (421, 47560), (427, 47569), (437, 47599), (443, 47611), (468, 47677),

Gene: Barco_72 Start: 45671, Stop: 46261, Start Num: 215

Candidate Starts for Barco_72:

(77, 45398), (86, 45419), (Start: 215 @45671 has 51 MA's), (320, 45878), (325, 45893), (329, 45905), (332, 45911), (353, 45956), (368, 45995), (378, 46034), (379, 46037), (417, 46163), (451, 46235),

Gene: Barkley26_50 Start: 36819, Stop: 37409, Start Num: 237

Candidate Starts for Barkley26_50:

(25, 36237), (61, 36438), (129, 36639), (202, 36765), (218, 36786), (222, 36792), (Start: 237 @36819 has 69 MA's), (300, 36963), (319, 37011), (321, 37017), (329, 37041), (366, 37128), (376, 37158), (384, 37191), (387, 37200), (399, 37239), (410, 37278), (417, 37305), (450, 37374),

Gene: Barsten_69 Start: 51643, Stop: 52386, Start Num: 136

Candidate Starts for Barsten_69:

(54, 51355), (59, 51391), (Start: 136 @51643 has 1 MA's), (Start: 158 @51691 has 1 MA's), (Start: 177 @51712 has 3 MA's), (Start: 197 @51748 has 49 MA's), (245, 51823), (321, 51979), (324, 51988), (342, 52027), (345, 52042), (365, 52090), (394, 52189), (424, 52270), (453, 52327),

Gene: Basato_7 Start: 4152, Stop: 3598, Start Num: 195

Candidate Starts for Basato_7:

(Start: 195 @4152 has 270 MA's), (Start: 216 @4122 has 6 MA's), (Start: 227 @4107 has 4 MA's), (Start: 231 @4098 has 7 MA's), (Start: 288 @4002 has 4 MA's), (323, 3927), (339, 3891), (343, 3885), (385, 3756), (388, 3747), (445, 3636),

Gene: BatteryCK_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for BatteryCK_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Baumdotcom_65 Start: 50065, Stop: 50700, Start Num: 197

Candidate Starts for Baumdotcom_65:

(Start: 197 @50065 has 49 MA's), (324, 50302), (342, 50341), (345, 50356), (360, 50386), (362, 50395), (365, 50404), (394, 50503), (433, 50602),

Gene: BayC_60 Start: 48760, Stop: 49350, Start Num: 235

Candidate Starts for BayC_60:

(165, 48637), (Start: 235 @48760 has 11 MA's), (264, 48799), (272, 48811), (280, 48835), (290, 48862), (298, 48886), (308, 48919), (320, 48946), (321, 48949), (332, 48979), (350, 49018), (357, 49033), (366, 49060), (368, 49063), (392, 49153), (402, 49168), (405, 49174), (417, 49222), (432, 49252), (448, 49288),

Gene: Beaglebox_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Beaglebox_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: Begonia_73 Start: 48471, Stop: 49061, Start Num: 215

Candidate Starts for Begonia_73:

(77, 48171), (86, 48192), (Start: 215 @48471 has 51 MA's), (325, 48693), (329, 48705), (332, 48711), (353, 48756), (361, 48774), (366, 48792), (368, 48795), (378, 48834), (379, 48837), (417, 48963),

Gene: Belphegor_63 Start: 49802, Stop: 50470, Start Num: 199

Candidate Starts for Belphegor_63:

(100, 49589), (109, 49628), (133, 49685), (139, 49691), (141, 49694), (144, 49697), (150, 49715), (161, 49742), (Start: 199 @49802 has 21 MA's), (269, 49928), (277, 49943), (297, 50000), (301, 50012), (320, 50072), (342, 50123), (366, 50189), (368, 50192), (372, 50207), (386, 50258), (388, 50264), (417, 50336), (443, 50378),

Gene: Ben11_7 Start: 5262, Stop: 4711, Start Num: 201

Candidate Starts for Ben11_7:

(Start: 153 @5337 has 4 MA's), (164, 5319), (Start: 201 @5262 has 161 MA's), (Start: 256 @5181 has 1 MA's), (272, 5154), (Start: 288 @5115 has 4 MA's), (306, 5082), (311, 5070), (374, 4917), (384, 4875), (394, 4842), (412, 4809), (439, 4758), (454, 4731),

Gene: Bernardo_8 Start: 5441, Stop: 4863, Start Num: 201

Candidate Starts for Bernardo_8:

(Start: 155 @5513 has 7 MA's), (Start: 201 @5441 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: Bibwit_67 Start: 50594, Stop: 51265, Start Num: 177

Candidate Starts for Bibwit_67:

(89, 50396), (97, 50420), (Start: 136 @50525 has 1 MA's), (Start: 158 @50573 has 1 MA's), (Start: 177 @50594 has 3 MA's), (Start: 197 @50627 has 49 MA's), (284, 50777), (324, 50867), (342, 50906), (345, 50921), (365, 50969), (368, 50975), (394, 51068), (424, 51149), (453, 51206),

Gene: BigHunkinEater_66 Start: 49092, Stop: 49739, Start Num: 198

Candidate Starts for BigHunkinEater_66:

(Start: 198 @49092 has 2 MA's), (242, 49170), (265, 49212), (269, 49218), (301, 49284), (310, 49302), (342, 49386), (345, 49401), (370, 49461), (372, 49470), (388, 49536), (390, 49545), (428, 49623), (443, 49650), (471, 49728),

Gene: BiggityBass_5 Start: 4713, Stop: 4186, Start Num: 201

Candidate Starts for BiggityBass_5:

(Start: 201 @4713 has 161 MA's), (Start: 227 @4668 has 4 MA's), (275, 4629), (293, 4587), (350, 4452), (364, 4422), (372, 4398), (375, 4392), (389, 4338), (397, 4314), (412, 4287), (417, 4272),

Gene: Bipper_88 Start: 56814, Stop: 57383, Start Num: 237

Candidate Starts for Bipper_88:

(62, 56400), (63, 56403), (74, 56436), (76, 56439), (95, 56514), (106, 56547), (111, 56571), (128, 56610), (Start: 171 @56688 has 4 MA's), (173, 56691), (Start: 237 @56814 has 69 MA's), (304, 56970), (305, 56973), (309, 56982), (320, 57003), (321, 57006), (345, 57063), (357, 57087), (365, 57111), (366, 57114), (368, 57117), (371, 57129), (387, 57177), (401, 57198), (420, 57264), (425, 57273), (445, 57318), (446, 57321), (461, 57351),

Gene: BirdInFrench_61 Start: 42242, Stop: 41679, Start Num: 210

Candidate Starts for BirdInFrench_61:

(Start: 163 @42308 has 10 MA's), (172, 42299), (Start: 210 @42242 has 44 MA's), (320, 42020), (384, 41846), (385, 41843), (388, 41834), (417, 41765), (454, 41702),

Gene: BirdsNest_10 Start: 4668, Stop: 4063, Start Num: 182

Candidate Starts for BirdsNest_10:

(Start: 182 @4668 has 2 MA's), (190, 4656), (Start: 195 @4647 has 270 MA's), (253, 4554), (261, 4539), (269, 4524), (Start: 288 @4479 has 4 MA's), (323, 4401), (343, 4359), (344, 4356), (384, 4224), (385, 4221), (443, 4107), (446, 4098), (454, 4083),

Gene: Bishoperium_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Bishoperium_6:

(Start: 195 @3919 has 270 MA's), (Start: 216 @3889 has 6 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Bizzy_67 Start: 49985, Stop: 50620, Start Num: 197

Candidate Starts for Bizzy_67:

(Start: 197 @49985 has 49 MA's), (324, 50222), (342, 50261), (345, 50276), (360, 50306), (362, 50315), (365, 50324), (384, 50390), (394, 50423), (413, 50483), (433, 50522),

Gene: Blab_52 Start: 41398, Stop: 40823, Start Num: 210

Candidate Starts for Blab_52:

(Start: 210 @41398 has 44 MA's), (243, 41332), (312, 41191), (314, 41182), (320, 41164), (364, 41056), (370, 41041), (372, 41032), (384, 40987), (388, 40975), (422, 40900), (440, 40870), (454, 40846),

Gene: BlackStallion_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for BlackStallion_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Blackpen_8 Start: 5864, Stop: 5313, Start Num: 201

Candidate Starts for Blackpen_8:

(154, 5924), (Start: 163 @5909 has 10 MA's), (169, 5903), (Start: 201 @5864 has 161 MA's), (Start: 227 @5819 has 4 MA's), (229, 5813), (Start: 288 @5726 has 4 MA's), (299, 5708), (310, 5684), (320, 5657), (321, 5654), (323, 5651), (364, 5552), (388, 5471), (417, 5399), (456, 5324),

Gene: BlacksBerry_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for BlacksBerry_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Blett_37 Start: 22730, Stop: 23311, Start Num: 214

Candidate Starts for Blett_37:

(Start: 214 @22730 has 13 MA's), (233, 22760), (287, 22883), (300, 22910), (310, 22931), (326, 22973), (334, 22988), (340, 23000), (356, 23042), (382, 23129), (384, 23135), (388, 23147), (413, 23201),

Gene: BlingBling_70 Start: 45443, Stop: 46036, Start Num: 213

Candidate Starts for BlingBling_70:

(Start: 213 @45443 has 3 MA's), (325, 45668), (329, 45680), (332, 45686), (353, 45731), (361, 45749), (366, 45767), (368, 45770), (379, 45812), (417, 45938), (451, 46010),

Gene: Blino_77 Start: 51275, Stop: 51865, Start Num: 215

Candidate Starts for Blino_77:

(Start: 215 @51275 has 51 MA's), (305, 51452), (325, 51497), (329, 51509), (332, 51515), (353, 51560), (361, 51578), (366, 51596), (368, 51599), (378, 51638), (379, 51641), (417, 51767), (451, 51839),

Gene: Blocker23_9 Start: 6591, Stop: 7166, Start Num: 201

Candidate Starts for Blocker23_9:

(124, 6456), (Start: 134 @6474 has 3 MA's), (137, 6477), (146, 6489), (147, 6495), (Start: 201 @6591 has 161 MA's), (240, 6663), (253, 6690), (295, 6771), (300, 6780), (339, 6870), (341, 6873), (343, 6876), (357, 6912), (370, 6948), (372, 6957), (384, 7002), (385, 7005), (388, 7014), (414, 7074), (416, 7080), (417, 7083), (443, 7119), (454, 7143), (456, 7152),

Gene: BloominB_74 Start: 48245, Stop: 48856, Start Num: 215

Candidate Starts for BloominB_74:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start: 215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334, 48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412, 48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: BlueHusk_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for BlueHusk_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Blueberry_79 Start: 50046, Stop: 50630, Start Num: 215

Candidate Starts for Blueberry_79:

(1, 48945), (2, 48966), (14, 49161), (19, 49203), (21, 49221), (28, 49341), (50, 49608), (65, 49704), (Start: 215 @50046 has 51 MA's), (267, 50127), (270, 50130), (298, 50199), (320, 50250), (321, 50253), (323, 50256), (342, 50295), (349, 50316), (378, 50403), (387, 50442), (390, 50454), (400, 50463), (417, 50523), (431, 50550),

Gene: Bluephacebaby_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Bluephacebaby_6:

(Start: 195 @3919 has 270 MA's), (Start: 216 @3889 has 6 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: BobBob_69 Start: 51250, Stop: 51888, Start Num: 197

Candidate Starts for BobBob_69:

(Start: 197 @51250 has 49 MA's), (245, 51325), (284, 51400), (321, 51481), (324, 51490), (342, 51529), (345, 51544), (365, 51592), (384, 51658), (394, 51691), (424, 51772), (453, 51829),

Gene: BobRoss2024_5 Start: 4729, Stop: 4181, Start Num: 201

Candidate Starts for BobRoss2024_5:

(Start: 201 @4729 has 161 MA's), (Start: 288 @4591 has 4 MA's), (321, 4522), (323, 4519), (362, 4426), (364, 4420), (365, 4417), (369, 4408), (389, 4336), (417, 4267),

Gene: BobbyK_7 Start: 6240, Stop: 5677, Start Num: 201

Candidate Starts for BobbyK_7:

(Start: 162 @6300 has 1 MA's), (Start: 171 @6291 has 4 MA's), (Start: 193 @6249 has 3 MA's), (Start: 201 @6240 has 161 MA's), (Start: 288 @6084 has 4 MA's), (295, 6072), (320, 6012), (339, 5970), (343, 5964), (345, 5952), (362, 5913), (366, 5901), (384, 5838), (394, 5805), (412, 5772), (413, 5769), (417, 5757), (419, 5754), (443, 5721), (453, 5700),

Gene: Boehler_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Boehler_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: BoogieWoogie_6 Start: 3870, Stop: 3361, Start Num: 227

Candidate Starts for BoogieWoogie_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Boyle_9 Start: 6591, Stop: 7166, Start Num: 201

Candidate Starts for Boyle_9:

(124, 6456), (Start: 134 @6474 has 3 MA's), (137, 6477), (147, 6495), (148, 6498), (Start: 201 @6591 has 161 MA's), (240, 6663), (253, 6690), (295, 6771), (300, 6780), (339, 6870), (341, 6873), (343, 6876), (357, 6912), (370, 6948), (372, 6957), (384, 7002), (385, 7005), (388, 7014), (413, 7071), (414, 7074), (416, 7080), (417, 7083), (443, 7119), (454, 7143), (456, 7152),

Gene: Brandonk123_73 Start: 51642, Stop: 52280, Start Num: 197

Candidate Starts for Brandonk123_73:

(Start: 197 @51642 has 49 MA's), (284, 51792), (321, 51873), (324, 51882), (342, 51921), (345, 51936), (365, 51984), (394, 52083), (424, 52164), (453, 52221),

Gene: Briakila_8 Start: 6278, Stop: 5625, Start Num: 153

Candidate Starts for Briakila_8:

(Start: 153 @6278 has 4 MA's), (164, 6260), (Start: 201 @6203 has 161 MA's), (Start: 256 @6095 has 1 MA's), (272, 6068), (Start: 288 @6029 has 4 MA's), (306, 5996), (311, 5984), (374, 5831), (384, 5789), (394, 5756), (412, 5723), (439, 5672), (454, 5645),

Gene: Brilliant_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Brilliant_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: BrownCNA_7 Start: 6240, Stop: 5680, Start Num: 201

Candidate Starts for BrownCNA_7:

(132, 6360), (135, 6357), (Start: 201 @6240 has 161 MA's), (Start: 288 @6084 has 4 MA's), (295, 6072), (300, 6063), (320, 6015), (343, 5967), (345, 5955), (350, 5943), (362, 5916), (366, 5904), (394, 5808), (412, 5775), (417, 5760), (419, 5757), (443, 5724), (453, 5703),

Gene: Brownie5_9 Start: 6591, Stop: 7166, Start Num: 201

Candidate Starts for Brownie5_9:

(124, 6456), (Start: 134 @6474 has 3 MA's), (147, 6495), (148, 6498), (Start: 201 @6591 has 161 MA's), (233, 6648), (238, 6660), (Start: 246 @6678 has 1 MA's), (295, 6771), (300, 6780), (339, 6870), (341, 6873), (343, 6876), (357, 6912), (370, 6948), (372, 6957), (384, 7002), (385, 7005), (388, 7014), (414, 7074), (416, 7080), (417, 7083), (443, 7119), (454, 7143), (456, 7152),

Gene: BruceB_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for BruceB_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Buckeye_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Buckeye_6:

(150, 4003), (181, 3943), (Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Burr_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Burr_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Bush_38 Start: 22678, Stop: 23259, Start Num: 214

Candidate Starts for Bush_38:

(94, 22423), (Start: 214 @22678 has 13 MA's), (233, 22708), (287, 22831), (300, 22858), (310, 22879), (326, 22921), (334, 22936), (340, 22948), (356, 22990), (382, 23077), (384, 23083), (388, 23095), (413, 23149),

Gene: CLED96_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for CLED96_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: CRB2_9 Start: 6920, Stop: 6342, Start Num: 195

Candidate Starts for CRB2_9:

(Start: 195 @6920 has 270 MA's), (Start: 231 @6866 has 7 MA's), (261, 6818), (Start: 288 @6755 has 4 MA's), (323, 6680), (339, 6644), (343, 6638), (350, 6614), (366, 6575), (377, 6542), (384, 6503), (385, 6500), (388, 6491), (407, 6464), (414, 6431), (454, 6362),

Gene: CaiB_8 Start: 6372, Stop: 5821, Start Num: 201

Candidate Starts for CaiB_8:

(154, 6432), (Start: 163 @6417 has 10 MA's), (169, 6411), (Start: 201 @6372 has 161 MA's), (Start: 227 @6327 has 4 MA's), (229, 6321), (Start: 288 @6234 has 4 MA's), (299, 6216), (310, 6192), (320, 6165), (321, 6162), (323, 6159), (364, 6060), (388, 5979), (417, 5907), (431, 5886), (456, 5832),

Gene: Calamitous_9 Start: 6474, Stop: 7049, Start Num: 201

Candidate Starts for Calamitous_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (147, 6378), (148, 6381), (Start: 201 @6474 has 161 MA's), (233, 6531), (238, 6543), (Start: 246 @6561 has 1 MA's), (295, 6654), (300, 6663), (339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888), (388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: CamL_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for CamL_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Cambiare_51 Start: 38958, Stop: 39542, Start Num: 237

Candidate Starts for Cambiare_51:

(81, 38583), (161, 38796), (164, 38799), (225, 38916), (Start: 237 @38958 has 69 MA's), (273, 39024), (310, 39132), (320, 39153), (321, 39156), (323, 39159), (329, 39180), (350, 39222), (365, 39261), (376, 39294), (384, 39327), (396, 39363), (410, 39411), (417, 39438), (448, 39504),

Gene: CampRoach_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for CampRoach_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Camri_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Camri_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: CandC_60 Start: 41891, Stop: 41328, Start Num: 210

Candidate Starts for CandC_60:

(81, 42188), (Start: 210 @41891 has 44 MA's), (287, 41747), (385, 41492), (388, 41483), (417, 41414), (454, 41351),

Gene: Cannibal_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Cannibal_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: CaptainKirk2_75 Start: 45228, Stop: 45818, Start Num: 215

Candidate Starts for CaptainKirk2_75:

(77, 44955), (86, 44976), (Start: 215 @45228 has 51 MA's), (320, 45435), (325, 45450), (329, 45462), (332, 45468), (353, 45513), (361, 45531), (366, 45549), (368, 45552), (378, 45591), (379, 45594), (417, 45720), (451, 45792),

Gene: CarolAnn_76 Start: 51274, Stop: 51864, Start Num: 215

Candidate Starts for CarolAnn_76:

(Start: 215 @51274 has 51 MA's), (305, 51451), (325, 51496), (329, 51508), (332, 51514), (353, 51559), (361, 51577), (366, 51595), (368, 51598), (378, 51637), (379, 51640), (417, 51766), (451, 51838),

Gene: Carrillo_39 Start: 22669, Stop: 23232, Start Num: 214

Candidate Starts for Carrillo_39:

(Start: 214 @22669 has 13 MA's), (222, 22681), (233, 22699), (262, 22762), (287, 22804), (303, 22840), (306, 22843), (326, 22894), (334, 22909), (340, 22921), (351, 22954), (355, 22960), (382, 23050), (384, 23056), (388, 23068), (413, 23122),

Gene: Carthage_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Carthage_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Casbah_7 Start: 5262, Stop: 4711, Start Num: 201

Candidate Starts for Casbah_7:

(Start: 155 @5334 has 7 MA's), (Start: 201 @5262 has 161 MA's), (Start: 256 @5181 has 1 MA's), (272, 5154), (Start: 288 @5115 has 4 MA's), (306, 5082), (311, 5070), (374, 4917), (384, 4875), (394, 4842), (412, 4809), (439, 4758), (454, 4731),

Gene: Casend_54 Start: 41950, Stop: 41372, Start Num: 210

Candidate Starts for Casend_54:

(88, 42193), (147, 42031), (Start: 210 @41950 has 44 MA's), (271, 41839), (314, 41734), (357, 41629), (372, 41584), (375, 41578), (384, 41539), (389, 41524), (413, 41470), (454, 41395),

Gene: Caspiboi_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Caspiboi_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: CassieYates_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for CassieYates_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Causa_14 Start: 8926, Stop: 8369, Start Num: 188

Candidate Starts for Causa_14:

(Start: 188 @8926 has 2 MA's), (Start: 227 @8872 has 4 MA's), (Start: 235 @8857 has 11 MA's), (Start: 288 @8770 has 4 MA's), (306, 8737), (325, 8692), (333, 8677), (374, 8575), (384, 8533), (453, 8392), (454, 8389),

Gene: Cedasite_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Cedasite_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: ChaChing_8 Start: 5429, Stop: 4860, Start Num: 201

Candidate Starts for ChaChing_8:

(Start: 153 @5504 has 4 MA's), (164, 5486), (Start: 201 @5429 has 161 MA's), (Start: 256 @5330 has 1 MA's), (272, 5303), (Start: 288 @5264 has 4 MA's), (306, 5231), (311, 5219), (374, 5066), (384, 5024), (394, 4991), (412, 4958), (439, 4907), (454, 4880),

Gene: ChadMasterC_68 Start: 53124, Stop: 53762, Start Num: 197

Candidate Starts for ChadMasterC_68:

(54, 52734), (59, 52770), (60, 52788), (103, 52938), (Start: 136 @53022 has 1 MA's), (Start: 158 @53070 has 1 MA's), (Start: 177 @53091 has 3 MA's), (Start: 197 @53124 has 49 MA's), (245, 53199), (284, 53274), (324, 53364), (342, 53403), (345, 53418), (365, 53466), (368, 53472), (384, 53532), (390, 53553), (394, 53565), (424, 53646), (453, 53703),

Gene: Chaelin_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Chaelin_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511),

Gene: Chah_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Chah_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Chalmers_8 Start: 6203, Stop: 5625, Start Num: 201

Candidate Starts for Chalmers_8:

(Start: 155 @6275 has 7 MA's), (Start: 201 @6203 has 161 MA's), (Start: 256 @6095 has 1 MA's), (272, 6068), (Start: 288 @6029 has 4 MA's), (306, 5996), (311, 5984), (374, 5831), (384, 5789), (394, 5756), (412, 5723), (439, 5672), (454, 5645),

Gene: Chance64_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Chance64_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Chandler_8 Start: 6176, Stop: 5625, Start Num: 201

Candidate Starts for Chandler_8:

(Start: 155 @6248 has 7 MA's), (Start: 201 @6176 has 161 MA's), (Start: 256 @6095 has 1 MA's), (272, 6068), (Start: 288 @6029 has 4 MA's), (306, 5996), (311, 5984), (374, 5831), (384, 5789), (394, 5756), (412, 5723), (439, 5672), (454, 5645),

Gene: Charles1_6 Start: 3864, Stop: 3364, Start Num: 231

Candidate Starts for Charles1_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: CharlieGBrown_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for CharlieGBrown_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: CharlottesWeb_6 Start: 4909, Stop: 4358, Start Num: 201

Candidate Starts for CharlottesWeb_6:

(Start: 201 @4909 has 161 MA's), (Start: 256 @4828 has 1 MA's), (259, 4822), (269, 4804), (275, 4795), (320, 4693), (357, 4609), (372, 4564), (375, 4558), (384, 4519), (388, 4507), (389, 4504), (397, 4480), (412, 4453), (413, 4450), (454, 4378),

Gene: Charming_72 Start: 50994, Stop: 51632, Start Num: 197

Candidate Starts for Charming_72:

(Start: 197 @50994 has 49 MA's), (284, 51144), (321, 51225), (324, 51234), (342, 51273), (345, 51288), (365, 51336), (394, 51435), (424, 51516), (453, 51573),

Gene: CheeseSpider_86 Start: 49892, Stop: 50476, Start Num: 215

Candidate Starts for CheeseSpider_86:

(Start: 215 @49892 has 51 MA's), (259, 49958), (267, 49973), (298, 50045), (321, 50099), (323, 50102), (342, 50141), (349, 50162), (378, 50249), (387, 50288), (390, 50300), (400, 50309), (417, 50369),

Gene: CheetO_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for CheetO_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Chentzyk_7 Start: 5289, Stop: 4711, Start Num: 201

Candidate Starts for Chentzyk_7:

(Start: 155 @5361 has 7 MA's), (Start: 201 @5289 has 161 MA's), (Start: 256 @5181 has 1 MA's), (272, 5154), (Start: 288 @5115 has 4 MA's), (306, 5082), (311, 5070), (374, 4917), (384, 4875), (394, 4842), (412, 4809), (439, 4758), (454, 4731),

Gene: Cher_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Cher_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: CherryCola_65 Start: 47836, Stop: 48438, Start Num: 201

Candidate Starts for CherryCola_65:

(Start: 201 @47836 has 161 MA's), (335, 48076), (368, 48154), (372, 48169), (384, 48214), (390, 48235), (421, 48304), (427, 48313), (437, 48343), (443, 48355), (468, 48421),

Gene: CherryTomatoes_181 Start: 130723, Stop: 131295, Start Num: 199

Candidate Starts for CherryTomatoes_181:

(36, 130210), (117, 130567), (118, 130570), (Start: 199 @130723 has 21 MA's), (Start: 216 @130759 has 6 MA's), (228, 130777), (285, 130855), (295, 130873), (317, 130915), (339, 130963), (368, 131035), (384, 131095), (462, 131260),

Gene: Cherrybomb426_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Cherrybomb426_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Chickadee_62 Start: 45756, Stop: 46382, Start Num: 199

Candidate Starts for Chickadee_62:

(Start: 199 @45756 has 21 MA's), (Start: 231 @45813 has 7 MA's), (277, 45897), (311, 45969), (320, 45999), (361, 46098), (388, 46200), (413, 46260), (443, 46314), (449, 46329),

Gene: Childish_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Childish_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Chipette_8 Start: 4153, Stop: 3599, Start Num: 195

Candidate Starts for Chipette_8:

(Start: 195 @4153 has 270 MA's), (Start: 216 @4123 has 6 MA's), (Start: 227 @4108 has 4 MA's), (Start: 231 @4099 has 7 MA's), (Start: 288 @4003 has 4 MA's), (323, 3928), (339, 3892), (343, 3886), (385, 3757), (388, 3748), (445, 3637),

Gene: Chorkpop_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Chorkpop_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: ChrisnMich_6 Start: 5152, Stop: 4583, Start Num: 193

Candidate Starts for ChrisnMich_6:

(Start: 193 @5152 has 3 MA's), (Start: 201 @5143 has 161 MA's), (Start: 288 @4987 has 4 MA's), (295, 4975), (320, 4918), (339, 4876), (343, 4870), (345, 4858), (394, 4711), (412, 4678), (413, 4675), (417, 4663), (419, 4660), (443, 4627), (453, 4606),

Gene: Chuni_6 Start: 3766, Stop: 3362, Start Num: 288

Candidate Starts for Chuni_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's),
(Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511),

Gene: Chunky_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Chunky_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's),
(Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: Chute_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Chute_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's),
(Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: ClamChowder_65 Start: 47095, Stop: 47694, Start Num: 201

Candidate Starts for ClamChowder_65:

(Start: 201 @47095 has 161 MA's), (368, 47410), (372, 47425), (384, 47470), (411, 47527), (421,
47560), (427, 47569), (437, 47599), (443, 47611), (468, 47677),

Gene: Cloudyecho_52 Start: 38916, Stop: 39503, Start Num: 209

Candidate Starts for Cloudyecho_52:

(143, 38832), (173, 38877), (Start: 209 @38916 has 2 MA's), (262, 38964), (303, 39069), (320, 39111),
(321, 39114), (384, 39288), (385, 39291), (410, 39372), (417, 39399), (425, 39414), (457, 39486),

Gene: CloverMinnie_8 Start: 6372, Stop: 5821, Start Num: 201

Candidate Starts for CloverMinnie_8:

(154, 6432), (Start: 163 @6417 has 10 MA's), (169, 6411), (Start: 201 @6372 has 161 MA's), (Start:
227 @6327 has 4 MA's), (229, 6321), (Start: 288 @6234 has 4 MA's), (299, 6216), (310, 6192), (320,
6165), (321, 6162), (323, 6159), (364, 6060), (388, 5979), (417, 5907), (456, 5832),

Gene: Clown_76 Start: 51335, Stop: 51934, Start Num: 201

Candidate Starts for Clown_76:

(149, 51254), (Start: 201 @51335 has 161 MA's), (Start: 210 @51353 has 44 MA's), (362, 51635),
(370, 51656), (372, 51665), (390, 51731), (427, 51809), (431, 51818), (437, 51839), (443, 51851),
(468, 51917),

Gene: Cobra_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Cobra_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's),
(Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445,
3399),

Gene: Coffee_9 Start: 6591, Stop: 7166, Start Num: 201

Candidate Starts for Coffee_9:

(124, 6456), (Start: 134 @6474 has 3 MA's), (137, 6477), (146, 6489), (147, 6495), (Start: 201 @6591
has 161 MA's), (240, 6663), (253, 6690), (295, 6771), (300, 6780), (339, 6870), (341, 6873), (343,
6876), (357, 6912), (370, 6948), (372, 6957), (384, 7002), (385, 7005), (388, 7014), (414, 7074), (416,
7080), (417, 7083), (443, 7119), (454, 7143), (456, 7152),

Gene: Colbert_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Colbert_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's),
(Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445,
3399),

Gene: Coldpizza_8 Start: 6798, Stop: 6247, Start Num: 201

Candidate Starts for Coldpizza_8:

(190, 6816), (Start: 201 @6798 has 161 MA's), (282, 6669), (314, 6606), (319, 6597), (321, 6591), (323, 6588), (342, 6549), (350, 6522), (366, 6483), (374, 6462), (394, 6387), (419, 6336),

Gene: Coleslaw_51 Start: 37351, Stop: 37941, Start Num: 237

Candidate Starts for Coleslaw_51:

(17, 36679), (18, 36682), (61, 36973), (99, 37102), (129, 37174), (202, 37297), (218, 37318), (222, 37324), (Start: 237 @37351 has 69 MA's), (262, 37399), (300, 37495), (308, 37522), (319, 37543), (321, 37549), (329, 37573), (366, 37660), (376, 37690), (384, 37723), (387, 37732), (399, 37771), (410, 37810), (417, 37837), (450, 37906),

Gene: Coletti_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Coletti_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Compostia_8 Start: 5421, Stop: 4870, Start Num: 201

Candidate Starts for Compostia_8:

(Start: 155 @5493 has 7 MA's), (Start: 201 @5421 has 161 MA's), (Start: 256 @5340 has 1 MA's), (272, 5313), (Start: 288 @5274 has 4 MA's), (306, 5241), (311, 5229), (374, 5076), (384, 5034), (394, 5001), (412, 4968), (439, 4917), (454, 4890),

Gene: CookieDog_37 Start: 22669, Stop: 23232, Start Num: 214

Candidate Starts for CookieDog_37:

(125, 22498), (Start: 214 @22669 has 13 MA's), (222, 22681), (233, 22699), (287, 22804), (303, 22840), (306, 22843), (326, 22894), (334, 22909), (340, 22921), (355, 22960), (382, 23050), (384, 23056), (388, 23068), (413, 23122), (429, 23149),

Gene: Cooper_7 Start: 5099, Stop: 4623, Start Num: 252

Candidate Starts for Cooper_7:

(Start: 193 @5213 has 3 MA's), (Start: 201 @5204 has 161 MA's), (Start: 252 @5099 has 1 MA's), (254, 5096), (269, 5072), (Start: 288 @5030 has 4 MA's), (295, 5018), (320, 4958), (343, 4910), (350, 4886), (368, 4844), (384, 4784), (407, 4745), (414, 4712), (417, 4703), (419, 4700), (443, 4667), (453, 4646),

Gene: Cornbread_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Cornbread_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Cornobble_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Cornobble_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Corofin_8 Start: 5438, Stop: 4860, Start Num: 201

Candidate Starts for Corofin_8:

(Start: 155 @5510 has 7 MA's), (Start: 201 @5438 has 161 MA's), (Start: 256 @5330 has 1 MA's), (272, 5303), (Start: 288 @5264 has 4 MA's), (306, 5231), (311, 5219), (374, 5066), (384, 5024), (394, 4991), (412, 4958), (439, 4907), (454, 4880),

Gene: Cosmolli16_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Cosmolli16_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: CoveyB_64 Start: 46929, Stop: 47531, Start Num: 201

Candidate Starts for CoveyB_64:

(Start: 201 @46929 has 161 MA's), (335, 47169), (368, 47247), (372, 47262), (384, 47307), (390, 47328), (421, 47397), (423, 47400), (427, 47406), (437, 47436), (443, 47448), (468, 47514),

Gene: Cracklewink_89 Start: 56009, Stop: 56578, Start Num: 237

Candidate Starts for Cracklewink_89:

(217, 55973), (Start: 237 @56009 has 69 MA's), (304, 56165), (305, 56168), (309, 56177), (320, 56198), (321, 56201), (345, 56258), (357, 56282), (365, 56306), (366, 56309), (368, 56312), (371, 56324), (387, 56372), (401, 56393), (420, 56459), (425, 56468), (445, 56513), (446, 56516), (461, 56546),

Gene: Craff_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Craff_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Crespo_50 Start: 36915, Stop: 37505, Start Num: 237

Candidate Starts for Crespo_50:

(17, 36243), (18, 36246), (61, 36537), (99, 36666), (129, 36738), (202, 36861), (218, 36882), (222, 36888), (Start: 237 @36915 has 69 MA's), (262, 36963), (300, 37059), (308, 37086), (319, 37107), (321, 37113), (329, 37137), (366, 37224), (376, 37254), (384, 37287), (387, 37296), (399, 37335), (410, 37374), (417, 37401), (450, 37470),

Gene: Crownjwl_7 Start: 4153, Stop: 3599, Start Num: 195

Candidate Starts for Crownjwl_7:

(Start: 195 @4153 has 270 MA's), (Start: 227 @4108 has 4 MA's), (Start: 231 @4099 has 7 MA's), (Start: 288 @4003 has 4 MA's), (323, 3928), (339, 3892), (343, 3886), (385, 3757), (388, 3748),

Gene: DMoney_50 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for DMoney_50:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: DNAIII_0049 Start: 35449, Stop: 36039, Start Num: 237

Candidate Starts for DNAIII_0049:

(11, 34744), (17, 34777), (18, 34780), (61, 35071), (99, 35200), (129, 35272), (202, 35395), (218, 35416), (222, 35422), (Start: 237 @35449 has 69 MA's), (262, 35497), (300, 35593), (308, 35620), (319, 35641), (321, 35647), (329, 35671), (366, 35758), (376, 35788), (384, 35821), (387, 35830), (399, 35869), (410, 35908), (417, 35935), (450, 36004),

Gene: DaddyDaniels_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for DaddyDaniels_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445,

3401),

Gene: Daegal_76 Start: 49270, Stop: 49962, Start Num: 163

Candidate Starts for Daegal_76:

(67, 49033), (Start: 163 @49270 has 10 MA's), (172, 49279), (Start: 197 @49321 has 49 MA's), (Start: 215 @49351 has 51 MA's), (264, 49432), (297, 49516), (305, 49540), (307, 49549), (321, 49579), (334, 49612), (362, 49678), (375, 49714), (386, 49768), (392, 49792), (394, 49795), (406, 49810), (412, 49837), (417, 49852), (421, 49861), (431, 49879), (437, 49894),

Gene: Daffy_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Daffy_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Daisy_8 Start: 5492, Stop: 4866, Start Num: 153

Candidate Starts for Daisy_8:

(Start: 153 @5492 has 4 MA's), (164, 5474), (Start: 201 @5417 has 161 MA's), (Start: 256 @5336 has 1 MA's), (272, 5309), (Start: 288 @5270 has 4 MA's), (306, 5237), (311, 5225), (374, 5072), (384, 5030), (394, 4997), (412, 4964), (439, 4913), (454, 4886),

Gene: Daka_6 Start: 3876, Stop: 3367, Start Num: 227

Candidate Starts for Daka_6:

(Start: 195 @3921 has 270 MA's), (Start: 216 @3891 has 6 MA's), (Start: 227 @3876 has 4 MA's), (Start: 288 @3771 has 4 MA's), (323, 3696), (339, 3660), (343, 3654), (385, 3525), (388, 3516), (445, 3405),

Gene: Danyall_64 Start: 47189, Stop: 47788, Start Num: 201

Candidate Starts for Danyall_64:

(Start: 201 @47189 has 161 MA's), (372, 47519), (384, 47564), (411, 47621), (421, 47654), (427, 47663), (437, 47693), (443, 47705), (468, 47771),

Gene: Darionha_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Darionha_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Dati_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Dati_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Deenasa_8 Start: 6176, Stop: 5625, Start Num: 201

Candidate Starts for Deenasa_8:

(Start: 155 @6248 has 7 MA's), (Start: 201 @6176 has 161 MA's), (Start: 256 @6095 has 1 MA's), (272, 6068), (Start: 288 @6029 has 4 MA's), (306, 5996), (311, 5984), (374, 5831), (384, 5789), (394, 5756), (412, 5723), (439, 5672), (454, 5645),

Gene: DeepSoil15_74 Start: 48245, Stop: 48856, Start Num: 215

Candidate Starts for DeepSoil15_74:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start: 215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334,

48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412, 48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: DelRivs_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for DelRivs_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Delian_78 Start: 45226, Stop: 45816, Start Num: 215

Candidate Starts for Delian_78:

(77, 44953), (86, 44974), (Start: 215 @45226 has 51 MA's), (320, 45433), (325, 45448), (329, 45460), (332, 45466), (353, 45511), (361, 45529), (366, 45547), (368, 45550), (378, 45589), (379, 45592), (417, 45718), (451, 45790),

Gene: Delrey21_65 Start: 50949, Stop: 51596, Start Num: 199

Candidate Starts for Delrey21_65:

(113, 50787), (116, 50793), (122, 50811), (170, 50898), (Start: 199 @50949 has 21 MA's), (242, 51027), (265, 51069), (269, 51075), (277, 51090), (301, 51141), (320, 51192), (345, 51258), (388, 51393), (390, 51402), (428, 51480), (443, 51507), (471, 51585),

Gene: Derg_61 Start: 48781, Stop: 49416, Start Num: 197

Candidate Starts for Derg_61:

(Start: 197 @48781 has 49 MA's), (324, 49018), (342, 49057), (345, 49072), (360, 49102), (362, 49111), (365, 49120), (424, 49300), (433, 49318),

Gene: Derpp_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Derpp_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Devonte_8 Start: 5414, Stop: 4863, Start Num: 201

Candidate Starts for Devonte_8:

(Start: 153 @5489 has 4 MA's), (164, 5471), (Start: 201 @5414 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: Dewey_67 Start: 48164, Stop: 48856, Start Num: 163

Candidate Starts for Dewey_67:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start: 215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334, 48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412, 48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: Dxdert_63 Start: 45910, Stop: 46542, Start Num: 199

Candidate Starts for Dxdert_63:

(Start: 199 @45910 has 21 MA's), (277, 46051), (320, 46153), (342, 46204), (345, 46219), (370, 46279), (388, 46354), (413, 46414), (428, 46441), (443, 46468), (449, 46483), (469, 46531),

Gene: Dice_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Dice_6:

(Start: 195 @3917 has 270 MA's), (Start: 216 @3887 has 6 MA's), (Start: 227 @3872 has 4 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445,

3401),

Gene: DigitDog_8 Start: 6203, Stop: 5640, Start Num: 201

Candidate Starts for DigitDog_8:

(Start: 201 @6203 has 161 MA's), (Start: 235 @6146 has 11 MA's), (Start: 288 @6047 has 4 MA's), (323, 5969), (343, 5927), (350, 5903), (366, 5864), (384, 5801), (385, 5798), (388, 5789), (407, 5762), (435, 5690), (443, 5684), (453, 5663), (456, 5651),

Gene: DingDing_49 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for DingDing_49:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Dingo_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Dingo_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Dione_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Dione_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: DirtJuice_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for DirtJuice_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: DoctorFroggo_65 Start: 50949, Stop: 51596, Start Num: 199

Candidate Starts for DoctorFroggo_65:

(113, 50787), (116, 50793), (122, 50811), (170, 50898), (Start: 199 @50949 has 21 MA's), (242, 51027), (265, 51069), (269, 51075), (277, 51090), (301, 51141), (320, 51192), (345, 51258), (388, 51393), (390, 51402), (428, 51480), (443, 51507), (471, 51585),

Gene: Doddsville_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Doddsville_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: DoesntMatter_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for DoesntMatter_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: DolOn_8 Start: 4153, Stop: 3599, Start Num: 195

Candidate Starts for DolOn_8:

(Start: 195 @4153 has 270 MA's), (Start: 216 @4123 has 6 MA's), (Start: 227 @4108 has 4 MA's), (Start: 231 @4099 has 7 MA's), (Start: 288 @4003 has 4 MA's), (323, 3928), (339, 3892), (343, 3886),

(385, 3757), (388, 3748), (445, 3637),

Gene: DonSanchon_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for DonSanchon_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's),
(Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445,
3402),

Gene: DonaldDuck_53 Start: 41299, Stop: 40721, Start Num: 210

Candidate Starts for DonaldDuck_53:

(88, 41542), (147, 41380), (Start: 210 @41299 has 44 MA's), (271, 41188), (314, 41083), (357, 40978),
(372, 40933), (375, 40927), (384, 40888), (389, 40873), (413, 40819), (454, 40744),

Gene: Donny_8 Start: 6217, Stop: 5651, Start Num: 201

Candidate Starts for Donny_8:

(Start: 201 @6217 has 161 MA's), (Start: 235 @6160 has 11 MA's), (Start: 288 @6058 has 4 MA's),
(323, 5980), (343, 5938), (350, 5914), (362, 5887), (366, 5875), (388, 5800), (407, 5773), (435, 5701),
(443, 5695),

Gene: Dropshot_37 Start: 22403, Stop: 22966, Start Num: 214

Candidate Starts for Dropshot_37:

(Start: 214 @22403 has 13 MA's), (222, 22415), (233, 22433), (262, 22496), (287, 22538), (306,
22577), (311, 22589), (326, 22628), (334, 22643), (340, 22655), (351, 22688), (355, 22694), (382,
22784), (384, 22790), (388, 22802), (413, 22856),

Gene: DuchessDung_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for DuchessDung_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's),
(Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Duggie_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Duggie_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's),
(Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445,
3401),

Gene: Durga_6 Start: 3914, Stop: 3360, Start Num: 195

Candidate Starts for Durga_6:

(Start: 195 @3914 has 270 MA's), (Start: 227 @3869 has 4 MA's), (Start: 231 @3860 has 7 MA's),
(Start: 288 @3764 has 4 MA's), (323, 3689), (339, 3653), (343, 3647), (385, 3518), (388, 3509), (445,
3398),

Gene: E3_gp158 Start: 109470, Stop: 110030, Start Num: 203

Candidate Starts for E3_gp158:

(Start: 136 @109350 has 1 MA's), (159, 109401), (Start: 188 @109449 has 2 MA's), (203, 109470),
(208, 109476), (248, 109545), (258, 109551), (301, 109629), (320, 109668), (321, 109671), (323,
109674), (368, 109782), (384, 109842), (426, 109935),

Gene: ECartman_49 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for ECartman_49:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222,
36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106),
(321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334),

(410, 37373), (417, 37400), (450, 37469),

Gene: EMoore_63 Start: 50022, Stop: 50669, Start Num: 199

Candidate Starts for EMoore_63:

(Start: 199 @50022 has 21 MA's), (269, 50148), (277, 50163), (297, 50220), (301, 50232), (306, 50250), (320, 50292), (342, 50343), (346, 50361), (366, 50409), (368, 50412), (386, 50478), (388, 50484), (417, 50556), (443, 50598), (453, 50619),

Gene: Eaglehorse_9 Start: 6492, Stop: 7067, Start Num: 201

Candidate Starts for Eaglehorse_9:

(124, 6357), (Start: 134 @6375 has 3 MA's), (147, 6396), (148, 6399), (Start: 201 @6492 has 161 MA's), (233, 6549), (238, 6561), (Start: 246 @6579 has 1 MA's), (295, 6672), (300, 6681), (323, 6735), (339, 6771), (341, 6774), (343, 6777), (357, 6813), (370, 6849), (372, 6858), (384, 6903), (385, 6906), (388, 6915), (414, 6975), (416, 6981), (417, 6984), (443, 7020), (454, 7044), (456, 7053),

Gene: EastView9101_8 Start: 6217, Stop: 5651, Start Num: 201

Candidate Starts for EastView9101_8:

(Start: 201 @6217 has 161 MA's), (Start: 235 @6160 has 11 MA's), (Start: 288 @6058 has 4 MA's), (323, 5980), (343, 5938), (350, 5914), (362, 5887), (366, 5875), (388, 5800), (407, 5773), (435, 5701), (443, 5695),

Gene: EdmundFerry_59 Start: 44985, Stop: 45611, Start Num: 199

Candidate Starts for EdmundFerry_59:

(Start: 199 @44985 has 21 MA's), (277, 45126), (320, 45228), (361, 45327), (388, 45429), (413, 45489), (443, 45543), (449, 45558),

Gene: Egi03_63 Start: 46955, Stop: 47554, Start Num: 201

Candidate Starts for Egi03_63:

(Start: 201 @46955 has 161 MA's), (333, 47189), (372, 47285), (384, 47330), (411, 47387), (421, 47420), (427, 47429), (437, 47459), (443, 47471), (459, 47507), (468, 47537),

Gene: Ein37_74 Start: 48245, Stop: 48856, Start Num: 215

Candidate Starts for Ein37_74:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start: 215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334, 48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412, 48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: ElvisPhasley_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for ElvisPhasley_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514),

Gene: Emiris_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Emiris_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: EmpTee_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for EmpTee_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445,

3403),

Gene: Epah_6 Start: 5143, Stop: 4583, Start Num: 201

Candidate Starts for Epah_6:

(Start: 193 @5152 has 3 MA's), (Start: 201 @5143 has 161 MA's), (Start: 288 @4987 has 4 MA's), (295, 4975), (320, 4918), (339, 4876), (343, 4870), (345, 4858), (362, 4819), (384, 4744), (394, 4711), (412, 4678), (413, 4675), (417, 4663), (419, 4660), (453, 4606),

Gene: Eremos_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Eremos_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Etaye_6 Start: 3765, Stop: 3361, Start Num: 288

Candidate Starts for Etaye_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Eugenia_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Eugenia_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Evaa_7 Start: 6193, Stop: 5651, Start Num: 201

Candidate Starts for Evaa_7:

(70, 6520), (Start: 201 @6193 has 161 MA's), (282, 6064), (306, 6022), (314, 6001), (320, 5989), (323, 5983), (342, 5944), (362, 5890), (366, 5878), (374, 5857), (384, 5815), (417, 5734),

Gene: Evamon_62 Start: 46633, Stop: 47232, Start Num: 201

Candidate Starts for Evamon_62:

(Start: 201 @46633 has 161 MA's), (368, 46948), (372, 46963), (384, 47008), (411, 47065), (414, 47080), (421, 47098), (427, 47107), (431, 47116), (437, 47137), (443, 47149), (468, 47215),

Gene: Evanescence_73 Start: 48245, Stop: 48856, Start Num: 215

Candidate Starts for Evanescence_73:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start: 215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334, 48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412, 48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: EverythinBagel_52 Start: 41660, Stop: 41082, Start Num: 210

Candidate Starts for EverythinBagel_52:

(85, 41912), (88, 41903), (147, 41741), (Start: 210 @41660 has 44 MA's), (271, 41549), (314, 41444), (357, 41339), (372, 41294), (375, 41288), (384, 41249), (389, 41234), (413, 41180), (454, 41105),

Gene: Eyre_59 Start: 38628, Stop: 39218, Start Num: 215

Candidate Starts for Eyre_59:

(173, 38547), (192, 38586), (Start: 215 @38628 has 51 MA's), (223, 38640), (278, 38730), (305, 38805), (309, 38814), (320, 38835), (325, 38850), (329, 38862), (390, 39042), (417, 39117), (460, 39207),

Gene: Fairfaxidum_77 Start: 47701, Stop: 48291, Start Num: 215

Candidate Starts for Fairfaxidum_77:

(Start: 215 @47701 has 51 MA's), (325, 47923), (329, 47935), (332, 47941), (353, 47986), (379, 48067), (417, 48193), (436, 48232),

Gene: Faiyaz_85 Start: 54903, Stop: 55472, Start Num: 237

Candidate Starts for Faiyaz_85:

(Start: 171 @54774 has 4 MA's), (173, 54777), (191, 54813), (Start: 237 @54903 has 69 MA's), (273, 54969), (304, 55059), (305, 55062), (320, 55092), (321, 55095), (345, 55152), (357, 55176), (362, 55191), (365, 55200), (366, 55203), (368, 55206), (371, 55218), (387, 55266), (401, 55287), (420, 55353), (431, 55374), (445, 55407), (455, 55428), (461, 55440),

Gene: Fanaw_7 Start: 6243, Stop: 5680, Start Num: 201

Candidate Starts for Fanaw_7:

(Start: 162 @6303 has 1 MA's), (Start: 171 @6294 has 4 MA's), (Start: 193 @6252 has 3 MA's), (Start: 201 @6243 has 161 MA's), (Start: 288 @6087 has 4 MA's), (295, 6075), (339, 5973), (343, 5967), (345, 5955), (362, 5916), (366, 5904), (384, 5841), (394, 5808), (412, 5775), (413, 5772), (417, 5760), (419, 5757), (453, 5703),

Gene: Fang_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Fang_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Faze9_9 Start: 6591, Stop: 7166, Start Num: 201

Candidate Starts for Faze9_9:

(124, 6456), (Start: 134 @6474 has 3 MA's), (137, 6477), (146, 6489), (147, 6495), (Start: 201 @6591 has 161 MA's), (240, 6663), (253, 6690), (295, 6771), (300, 6780), (339, 6870), (341, 6873), (343, 6876), (357, 6912), (370, 6948), (372, 6957), (384, 7002), (385, 7005), (388, 7014), (414, 7074), (416, 7080), (417, 7083), (443, 7119), (454, 7143), (456, 7152),

Gene: FelixTres_8 Start: 6372, Stop: 5821, Start Num: 201

Candidate Starts for FelixTres_8:

(154, 6432), (Start: 163 @6417 has 10 MA's), (169, 6411), (Start: 201 @6372 has 161 MA's), (Start: 227 @6327 has 4 MA's), (229, 6321), (Start: 288 @6234 has 4 MA's), (299, 6216), (310, 6192), (320, 6165), (321, 6162), (323, 6159), (364, 6060), (388, 5979), (417, 5907), (431, 5886), (456, 5832),

Gene: Fenry_74 Start: 47299, Stop: 47889, Start Num: 215

Candidate Starts for Fenry_74:

(Start: 215 @47299 has 51 MA's), (325, 47521), (329, 47533), (332, 47539), (353, 47584), (361, 47602), (366, 47620), (368, 47623), (378, 47662), (379, 47665), (417, 47791),

Gene: Finch_5 Start: 2997, Stop: 3599, Start Num: 180

Candidate Starts for Finch_5:

(122, 2898), (Start: 180 @2997 has 1 MA's), (222, 3066), (296, 3171), (318, 3213), (323, 3222), (348, 3285), (360, 3309), (363, 3321), (369, 3336), (384, 3390), (385, 3393), (397, 3429), (412, 3456), (415, 3465), (454, 3531),

Gene: Fireball_66 Start: 47491, Stop: 48090, Start Num: 201

Candidate Starts for Fireball_66:

(96, 47263), (Start: 201 @47491 has 161 MA's), (368, 47806), (372, 47821), (384, 47866), (411, 47923), (421, 47956), (427, 47965), (437, 47995), (443, 48007), (459, 48043), (468, 48073),

Gene: Fitzgerald_67 Start: 51775, Stop: 52413, Start Num: 197

Candidate Starts for Fitzgerald_67:

(89, 51544), (97, 51568), (Start: 136 @51673 has 1 MA's), (Start: 158 @51721 has 1 MA's), (Start: 177 @51742 has 3 MA's), (Start: 197 @51775 has 49 MA's), (284, 51925), (324, 52015), (342, 52054), (345, 52069), (365, 52117), (368, 52123), (394, 52216), (424, 52297), (453, 52354),

Gene: Fizzles_56 Start: 42284, Stop: 41706, Start Num: 210

Candidate Starts for Fizzles_56:

(Start: 210 @42284 has 44 MA's), (271, 42173), (300, 42104), (301, 42101), (314, 42068), (351, 41975), (372, 41918), (384, 41873), (389, 41858), (413, 41804), (454, 41729),

Gene: FlagStaff_49 Start: 37465, Stop: 38049, Start Num: 237

Candidate Starts for FlagStaff_49:

(Start: 237 @37465 has 69 MA's), (273, 37531), (310, 37639), (320, 37660), (321, 37663), (323, 37666), (329, 37687), (365, 37768), (376, 37801), (384, 37834), (387, 37843), (410, 37918), (417, 37945),

Gene: Flake_7 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Flake_7:

(Start: 195 @3917 has 270 MA's), (Start: 216 @3887 has 6 MA's), (Start: 227 @3872 has 4 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Flatwoods_67 Start: 49662, Stop: 50297, Start Num: 197

Candidate Starts for Flatwoods_67:

(Start: 197 @49662 has 49 MA's), (324, 49899), (342, 49938), (345, 49953), (360, 49983), (362, 49992), (365, 50001), (394, 50100), (413, 50160), (433, 50199),

Gene: FleetyMac_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for FleetyMac_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511),

Gene: FluffyNinja_6 Start: 3871, Stop: 3362, Start Num: 227

Candidate Starts for FluffyNinja_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: ForDig_5 Start: 4719, Stop: 4141, Start Num: 201

Candidate Starts for ForDig_5:

(Start: 201 @4719 has 161 MA's), (229, 4671), (262, 4596), (269, 4587), (Start: 288 @4545 has 4 MA's), (310, 4503), (323, 4470), (343, 4428), (350, 4404), (384, 4302), (388, 4290), (407, 4263), (412, 4236), (417, 4221), (419, 4218), (431, 4200), (443, 4185), (454, 4161),

Gene: Forge_67 Start: 48164, Stop: 48856, Start Num: 163

Candidate Starts for Forge_67:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start: 215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334, 48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412, 48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: Fortunato_7 Start: 6288, Stop: 5677, Start Num: 171

Candidate Starts for Fortunato_7:

(Start: 162 @6297 has 1 MA's), (Start: 171 @6288 has 4 MA's), (Start: 193 @6246 has 3 MA's), (Start: 201 @6237 has 161 MA's), (Start: 288 @6081 has 4 MA's), (295, 6069), (320, 6012), (339, 5970), (343, 5964), (345, 5952), (350, 5940), (362, 5913), (394, 5805), (412, 5772), (413, 5769), (417, 5757), (419, 5754), (435, 5727), (443, 5721), (453, 5700),

Gene: Fosterous_71 Start: 51988, Stop: 52626, Start Num: 197

Candidate Starts for Fosterous_71:

(Start: 197 @51988 has 49 MA's), (284, 52138), (321, 52219), (324, 52228), (342, 52267), (345, 52282), (365, 52330), (394, 52429), (424, 52510), (453, 52567),

Gene: Fozzie_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Fozzie_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: FrankDeliGuy_50 Start: 41277, Stop: 40702, Start Num: 200

Candidate Starts for FrankDeliGuy_50:

(Start: 200 @41277 has 5 MA's), (243, 41208), (312, 41070), (314, 41061), (320, 41043), (364, 40935), (370, 40920), (372, 40911), (384, 40866), (388, 40854), (422, 40779), (440, 40749), (454, 40725),

Gene: Frankicide_6 Start: 3920, Stop: 3366, Start Num: 195

Candidate Starts for Frankicide_6:

(Start: 195 @3920 has 270 MA's), (Start: 216 @3890 has 6 MA's), (Start: 227 @3875 has 4 MA's), (Start: 231 @3866 has 7 MA's), (Start: 288 @3770 has 4 MA's), (323, 3695), (339, 3659), (343, 3653), (385, 3524), (388, 3515), (445, 3404),

Gene: Fransoyer_57 Start: 43875, Stop: 43294, Start Num: 210

Candidate Starts for Fransoyer_57:

(64, 44238), (Start: 210 @43875 has 44 MA's), (255, 43794), (266, 43773), (300, 43698), (314, 43662), (325, 43629), (365, 43533), (368, 43527), (372, 43512), (385, 43461), (454, 43320), (459, 43308),

Gene: Frederick_7 Start: 6294, Stop: 5680, Start Num: 171

Candidate Starts for Frederick_7:

(Start: 162 @6303 has 1 MA's), (Start: 171 @6294 has 4 MA's), (Start: 193 @6252 has 3 MA's), (Start: 201 @6243 has 161 MA's), (Start: 288 @6087 has 4 MA's), (295, 6075), (320, 6015), (339, 5973), (343, 5967), (345, 5955), (362, 5916), (366, 5904), (384, 5841), (394, 5808), (412, 5775), (413, 5772), (417, 5760), (419, 5757), (443, 5724), (453, 5703),

Gene: FremontTroll_7 Start: 3886, Stop: 3362, Start Num: 216

Candidate Starts for FremontTroll_7:

(Start: 195 @3916 has 270 MA's), (Start: 216 @3886 has 6 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: FrenchFry_9 Start: 6591, Stop: 7166, Start Num: 201

Candidate Starts for FrenchFry_9:

(124, 6456), (Start: 134 @6474 has 3 MA's), (147, 6495), (148, 6498), (Start: 201 @6591 has 161 MA's), (233, 6648), (238, 6660), (Start: 246 @6678 has 1 MA's), (295, 6771), (300, 6780), (323, 6834), (339, 6870), (341, 6873), (343, 6876), (357, 6912), (370, 6948), (372, 6957), (384, 7002), (385, 7005), (388, 7014), (414, 7074), (416, 7080), (417, 7083), (443, 7119), (454, 7143), (456, 7152),

Gene: Fresco_6 Start: 4904, Stop: 4362, Start Num: 201

Candidate Starts for Fresco_6:

(39, 5378), (70, 5207), (Start: 201 @4904 has 161 MA's), (Start: 232 @4850 has 1 MA's), (269, 4811), (320, 4697), (375, 4565), (384, 4526), (388, 4514), (389, 4511), (397, 4487), (412, 4460), (442, 4406), (454, 4382),

Gene: Freya_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Freya_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514),

Gene: FriarPreacher_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for FriarPreacher_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Fringe_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Fringe_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Frokostdame_79 Start: 49511, Stop: 50095, Start Num: 215

Candidate Starts for Frokostdame_79:

(65, 49172), (Start: 215 @49511 has 51 MA's), (267, 49592), (270, 49595), (298, 49664), (320, 49715), (321, 49718), (323, 49721), (342, 49760), (349, 49781), (378, 49868), (382, 49892), (387, 49907), (390, 49919), (400, 49928), (417, 49988), (460, 50078),

Gene: Frosty24_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Frosty24_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: FuegoCuervo_70 Start: 51013, Stop: 51651, Start Num: 197

Candidate Starts for FuegoCuervo_70:

(Start: 158 @50959 has 1 MA's), (Start: 177 @50980 has 3 MA's), (Start: 197 @51013 has 49 MA's), (284, 51163), (324, 51253), (342, 51292), (345, 51307), (365, 51355), (368, 51361), (394, 51454), (424, 51535), (453, 51592),

Gene: FugateOSU_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for FugateOSU_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Fugax_66 Start: 47087, Stop: 47686, Start Num: 201

Candidate Starts for Fugax_66:

(Start: 201 @47087 has 161 MA's), (368, 47402), (372, 47417), (384, 47462), (411, 47519), (421, 47552), (427, 47561), (437, 47591), (443, 47603), (468, 47669),

Gene: Funsized_11 Start: 8078, Stop: 7494, Start Num: 201

Candidate Starts for Funsized_11:

(183, 8102), (Start: 201 @8078 has 161 MA's), (206, 8072), (Start: 252 @7973 has 1 MA's), (262, 7955), (Start: 288 @7904 has 4 MA's), (320, 7829), (325, 7814), (343, 7781), (345, 7769), (362, 7730), (364, 7724), (366, 7718), (368, 7715), (384, 7655), (417, 7574), (419, 7571), (431, 7553), (443, 7538), (453, 7517), (454, 7514),

Gene: GTE6_62 Start: 46212, Stop: 46838, Start Num: 199

Candidate Starts for GTE6_62:

(Start: 199 @46212 has 21 MA's), (Start: 231 @46269 has 7 MA's), (277, 46353), (320, 46455), (361, 46554), (388, 46656), (413, 46716), (443, 46770), (449, 46785),

Gene: Gadjet_9 Start: 5418, Stop: 4867, Start Num: 201

Candidate Starts for Gadjet_9:

(Start: 153 @5493 has 4 MA's), (164, 5475), (Start: 201 @5418 has 161 MA's), (Start: 256 @5337 has 1 MA's), (272, 5310), (Start: 288 @5271 has 4 MA's), (306, 5238), (311, 5226), (374, 5073), (384, 5031), (394, 4998), (412, 4965), (439, 4914), (454, 4887),

Gene: Gaea_67 Start: 49891, Stop: 50526, Start Num: 201

Candidate Starts for Gaea_67:

(152, 49813), (Start: 201 @49891 has 161 MA's), (284, 50038), (324, 50128), (342, 50167), (345, 50182), (364, 50227), (368, 50236), (384, 50296), (394, 50329), (433, 50428),

Gene: Galadriel_68 Start: 51942, Stop: 52580, Start Num: 197

Candidate Starts for Galadriel_68:

(Start: 197 @51942 has 49 MA's), (284, 52092), (324, 52182), (342, 52221), (345, 52236), (365, 52284), (368, 52290), (394, 52383), (424, 52464), (453, 52521),

Gene: Gambino_82 Start: 50046, Stop: 50630, Start Num: 215

Candidate Starts for Gambino_82:

(1, 48945), (2, 48966), (14, 49161), (19, 49203), (21, 49221), (28, 49341), (50, 49608), (65, 49704), (Start: 215 @50046 has 51 MA's), (267, 50127), (270, 50130), (298, 50199), (320, 50250), (321, 50253), (323, 50256), (342, 50295), (349, 50316), (378, 50403), (387, 50442), (390, 50454), (400, 50463), (417, 50523), (431, 50550),

Gene: Gancho_73 Start: 48020, Stop: 48631, Start Num: 215

Candidate Starts for Gancho_73:

(Start: 163 @47939 has 10 MA's), (172, 47948), (Start: 197 @47990 has 49 MA's), (Start: 215 @48020 has 51 MA's), (264, 48101), (297, 48185), (305, 48209), (307, 48218), (321, 48248), (334, 48281), (362, 48347), (375, 48383), (386, 48437), (392, 48461), (394, 48464), (406, 48479), (412, 48506), (417, 48521), (421, 48530), (431, 48548), (437, 48563),

Gene: Gareth_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Gareth_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Gazebo_53 Start: 41824, Stop: 41252, Start Num: 210

Candidate Starts for Gazebo_53:

(156, 41884), (Start: 210 @41824 has 44 MA's), (243, 41758), (312, 41620), (314, 41611), (320, 41593), (364, 41485), (370, 41470), (372, 41461), (384, 41416), (388, 41404), (422, 41329), (440, 41299), (454, 41275),

Gene: GeneCoco_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for GeneCoco_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Geodirt_67 Start: 52126, Stop: 52818, Start Num: 158

Candidate Starts for Geodirt_67:

(54, 51799), (59, 51835), (Start: 136 @52078 has 1 MA's), (Start: 158 @52126 has 1 MA's), (Start: 177 @52147 has 3 MA's), (Start: 197 @52180 has 49 MA's), (245, 52255), (284, 52330), (324, 52420), (342, 52459), (345, 52474), (365, 52522), (368, 52528), (390, 52609), (394, 52621), (424, 52702), (453, 52759),

Gene: Gervas_8 Start: 5408, Stop: 4863, Start Num: 201

Candidate Starts for Gervas_8:

(Start: 155 @5480 has 7 MA's), (Start: 201 @5408 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: Gezellig_61 Start: 47082, Stop: 47684, Start Num: 201

Candidate Starts for Gezellig_61:

(Start: 201 @47082 has 161 MA's), (335, 47322), (368, 47400), (372, 47415), (384, 47460), (390, 47481), (421, 47550), (423, 47553), (427, 47559), (437, 47589), (443, 47601), (468, 47667),

Gene: Gideon_52 Start: 37361, Stop: 37951, Start Num: 237

Candidate Starts for Gideon_52:

(17, 36689), (18, 36692), (61, 36983), (99, 37112), (129, 37184), (202, 37307), (218, 37328), (222, 37334), (Start: 237 @37361 has 69 MA's), (262, 37409), (300, 37505), (308, 37532), (319, 37553), (321, 37559), (329, 37583), (366, 37670), (376, 37700), (384, 37733), (387, 37742), (399, 37781), (410, 37820), (417, 37847), (450, 37916),

Gene: Giles_67 Start: 48164, Stop: 48856, Start Num: 163

Candidate Starts for Giles_67:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start: 215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334, 48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412, 48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: GinPorsche_6 Start: 5152, Stop: 4583, Start Num: 193

Candidate Starts for GinPorsche_6:

(Start: 193 @5152 has 3 MA's), (Start: 201 @5143 has 161 MA's), (Start: 288 @4987 has 4 MA's), (295, 4975), (320, 4918), (339, 4876), (343, 4870), (345, 4858), (362, 4819), (384, 4744), (394, 4711), (412, 4678), (413, 4675), (417, 4663), (419, 4660), (453, 4606),

Gene: Giraffe_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Giraffe_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Glass_9 Start: 6591, Stop: 7166, Start Num: 201

Candidate Starts for Glass_9:

(124, 6456), (Start: 134 @6474 has 3 MA's), (147, 6495), (148, 6498), (Start: 201 @6591 has 161 MA's), (233, 6648), (238, 6660), (Start: 246 @6678 has 1 MA's), (295, 6771), (300, 6780), (323, 6834), (339, 6870), (341, 6873), (343, 6876), (357, 6912), (370, 6948), (372, 6957), (384, 7002), (385, 7005),

(388, 7014), (414, 7074), (416, 7080), (417, 7083), (443, 7119), (454, 7143), (456, 7152),

Gene: GlenHope_9 Start: 5427, Stop: 4876, Start Num: 201

Candidate Starts for GlenHope_9:

(Start: 155 @5499 has 7 MA's), (Start: 201 @5427 has 161 MA's), (Start: 256 @5346 has 1 MA's), (272, 5319), (Start: 288 @5280 has 4 MA's), (306, 5247), (311, 5235), (374, 5082), (384, 5040), (394, 5007), (412, 4974), (439, 4923), (454, 4896),

Gene: Glubnar_8 Start: 5417, Stop: 4866, Start Num: 201

Candidate Starts for Glubnar_8:

(Start: 155 @5489 has 7 MA's), (Start: 201 @5417 has 161 MA's), (Start: 256 @5336 has 1 MA's), (272, 5309), (Start: 288 @5270 has 4 MA's), (306, 5237), (311, 5225), (374, 5072), (384, 5030), (394, 4997), (412, 4964), (439, 4913), (454, 4886),

Gene: GodSpeed_49 Start: 37283, Stop: 37867, Start Num: 237

Candidate Starts for GodSpeed_49:

(225, 37244), (Start: 237 @37283 has 69 MA's), (273, 37349), (310, 37457), (320, 37478), (321, 37481), (323, 37484), (329, 37505), (365, 37586), (376, 37619), (384, 37652), (388, 37664), (410, 37736), (417, 37763),

Gene: Godines_9 Start: 6474, Stop: 7049, Start Num: 201

Candidate Starts for Godines_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (147, 6378), (148, 6381), (Start: 201 @6474 has 161 MA's), (240, 6546), (253, 6573), (295, 6654), (300, 6663), (339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888), (388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: GoldenAsh_50 Start: 36899, Stop: 37489, Start Num: 237

Candidate Starts for GoldenAsh_50:

(17, 36227), (18, 36230), (61, 36521), (99, 36650), (129, 36722), (202, 36845), (218, 36866), (222, 36872), (Start: 237 @36899 has 69 MA's), (262, 36947), (300, 37043), (308, 37070), (319, 37091), (321, 37097), (329, 37121), (366, 37208), (376, 37238), (384, 37271), (387, 37280), (399, 37319), (410, 37358), (417, 37385), (450, 37454),

Gene: Gomashi_50 Start: 36915, Stop: 37505, Start Num: 237

Candidate Starts for Gomashi_50:

(17, 36243), (18, 36246), (61, 36537), (99, 36666), (129, 36738), (202, 36861), (218, 36882), (222, 36888), (Start: 237 @36915 has 69 MA's), (262, 36963), (300, 37059), (308, 37086), (319, 37107), (321, 37113), (329, 37137), (366, 37224), (376, 37254), (384, 37287), (387, 37296), (399, 37335), (410, 37374), (417, 37401), (450, 37470),

Gene: Gophee_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Gophee_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Grand2040_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Grand2040_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Grassboy_56 Start: 41958, Stop: 41386, Start Num: 210

Candidate Starts for Grassboy_56:

(150, 42045), (Start: 210 @41958 has 44 MA's), (243, 41892), (312, 41754), (314, 41745), (320, 41727), (364, 41619), (370, 41604), (372, 41595), (384, 41550), (388, 41538), (422, 41463), (440, 41433), (454, 41409),

Gene: Gravaillia_68 Start: 48220, Stop: 48912, Start Num: 163

Candidate Starts for Gravaillia_68:

(67, 47983), (Start: 163 @48220 has 10 MA's), (172, 48229), (Start: 197 @48271 has 49 MA's), (Start: 215 @48301 has 51 MA's), (264, 48382), (297, 48466), (305, 48490), (307, 48499), (321, 48529), (334, 48562), (362, 48628), (375, 48664), (386, 48718), (392, 48742), (394, 48745), (406, 48760), (412, 48787), (417, 48802), (421, 48811), (431, 48829), (437, 48844),

Gene: Grizzly_51 Start: 36986, Stop: 37576, Start Num: 237

Candidate Starts for Grizzly_51:

(61, 36608), (129, 36809), (202, 36932), (218, 36953), (222, 36959), (Start: 237 @36986 has 69 MA's), (300, 37130), (319, 37178), (321, 37184), (329, 37208), (366, 37295), (376, 37325), (384, 37358), (387, 37367), (399, 37406), (410, 37445), (417, 37472), (450, 37541),

Gene: Guacamole_73 Start: 46646, Stop: 47236, Start Num: 215

Candidate Starts for Guacamole_73:

(77, 46373), (86, 46394), (Start: 215 @46646 has 51 MA's), (320, 46853), (325, 46868), (329, 46880), (332, 46886), (353, 46931), (361, 46949), (366, 46967), (368, 46970), (378, 47009), (379, 47012), (417, 47138), (451, 47210),

Gene: Gustavo_68 Start: 50864, Stop: 51499, Start Num: 197

Candidate Starts for Gustavo_68:

(Start: 197 @50864 has 49 MA's), (324, 51101), (342, 51140), (345, 51155), (360, 51185), (362, 51194), (365, 51203), (394, 51302), (413, 51362), (433, 51401),

Gene: Guzman_37 Start: 22667, Stop: 23230, Start Num: 214

Candidate Starts for Guzman_37:

(81, 22346), (125, 22496), (Start: 214 @22667 has 13 MA's), (222, 22679), (233, 22697), (287, 22802), (303, 22838), (306, 22841), (326, 22892), (334, 22907), (340, 22919), (355, 22958), (382, 23048), (384, 23054), (388, 23066), (413, 23120), (429, 23147),

Gene: Gwennie1_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Gwennie1_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Gwilliam_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Gwilliam_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Gyarad_006 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Gyarad_006:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: HH92_73 Start: 48245, Stop: 48856, Start Num: 215

Candidate Starts for HH92_73:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start: 215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334, 48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412, 48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: HSavage_6 Start: 3920, Stop: 3366, Start Num: 195

Candidate Starts for HSavage_6:

(Start: 195 @3920 has 270 MA's), (Start: 216 @3890 has 6 MA's), (Start: 227 @3875 has 4 MA's), (Start: 288 @3770 has 4 MA's), (323, 3695), (339, 3659), (343, 3653), (385, 3524), (388, 3515), (445, 3404),

Gene: Hadrien_71 Start: 48164, Stop: 48856, Start Num: 163

Candidate Starts for Hadrien_71:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start: 215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334, 48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412, 48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: Hail_67 Start: 48164, Stop: 48856, Start Num: 163

Candidate Starts for Hail_67:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start: 215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334, 48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412, 48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: Haimas_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Haimas_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Haleema_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Haleema_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Halfpint_7 Start: 5262, Stop: 4711, Start Num: 201

Candidate Starts for Halfpint_7:

(Start: 155 @5334 has 7 MA's), (Start: 201 @5262 has 161 MA's), (Start: 256 @5181 has 1 MA's), (272, 5154), (Start: 288 @5115 has 4 MA's), (306, 5082), (311, 5070), (374, 4917), (384, 4875), (394, 4842), (412, 4809), (439, 4758), (454, 4731),

Gene: Hally898_6 Start: 5143, Stop: 4583, Start Num: 201

Candidate Starts for Hally898_6:

(Start: 193 @5152 has 3 MA's), (Start: 201 @5143 has 161 MA's), (Start: 288 @4987 has 4 MA's), (295, 4975), (320, 4918), (339, 4876), (343, 4870), (345, 4858), (362, 4819), (384, 4744), (394, 4711), (412, 4678), (413, 4675), (417, 4663), (419, 4660), (453, 4606),

Gene: Halo_51 Start: 36909, Stop: 37499, Start Num: 237

Candidate Starts for Halo_51:

(17, 36237), (18, 36240), (61, 36531), (99, 36660), (129, 36732), (202, 36855), (218, 36876), (222, 36882), (Start: 237 @36909 has 69 MA's), (262, 36957), (300, 37053), (308, 37080), (319, 37101), (321, 37107), (329, 37131), (366, 37218), (376, 37248), (384, 37281), (387, 37290), (399, 37329), (410, 37368), (417, 37395), (450, 37464),

Gene: Halo3_62 Start: 47667, Stop: 48269, Start Num: 201

Candidate Starts for Halo3_62:

(Start: 201 @47667 has 161 MA's), (335, 47907), (368, 47985), (372, 48000), (384, 48045), (390, 48066), (421, 48135), (423, 48138), (427, 48144), (437, 48174), (443, 48186), (459, 48222), (468, 48252),

Gene: Hamish_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Hamish_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Hangman_7 Start: 6243, Stop: 5680, Start Num: 201

Candidate Starts for Hangman_7:

(Start: 162 @6303 has 1 MA's), (Start: 171 @6294 has 4 MA's), (Start: 193 @6252 has 3 MA's), (Start: 201 @6243 has 161 MA's), (Start: 288 @6087 has 4 MA's), (295, 6075), (320, 6015), (339, 5973), (343, 5967), (345, 5955), (362, 5916), (366, 5904), (384, 5841), (394, 5808), (412, 5775), (413, 5772), (417, 5760), (419, 5757), (443, 5724), (453, 5703),

Gene: Hans_66 Start: 49390, Stop: 50037, Start Num: 197

Candidate Starts for Hans_66:

(Start: 197 @49390 has 49 MA's), (269, 49516), (277, 49531), (297, 49588), (301, 49600), (305, 49612), (306, 49618), (320, 49660), (327, 49681), (342, 49711), (366, 49777), (368, 49780), (386, 49846), (388, 49852), (417, 49924), (443, 49966), (453, 49987),

Gene: Happabalu_6 Start: 3914, Stop: 3360, Start Num: 195

Candidate Starts for Happabalu_6:

(Start: 195 @3914 has 270 MA's), (Start: 227 @3869 has 4 MA's), (Start: 231 @3860 has 7 MA's), (Start: 288 @3764 has 4 MA's), (323, 3689), (339, 3653), (343, 3647), (385, 3518), (388, 3509), (445, 3398),

Gene: Hartsy_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Hartsy_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Harvey_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Harvey_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: HarveySr_8 Start: 5414, Stop: 4863, Start Num: 201

Candidate Starts for HarveySr_8:

(Start: 155 @5486 has 7 MA's), (Start: 201 @5414 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: Hashim76_11 Start: 5067, Stop: 4489, Start Num: 195

Candidate Starts for Hashim76_11:

(Start: 182 @5088 has 2 MA's), (190, 5076), (Start: 195 @5067 has 270 MA's), (261, 4962), (269, 4947), (Start: 288 @4905 has 4 MA's), (323, 4827), (343, 4785), (384, 4650), (385, 4647), (443, 4533), (446, 4524), (454, 4509),

Gene: Heath_7 Start: 6243, Stop: 5680, Start Num: 201

Candidate Starts for Heath_7:

(Start: 162 @6303 has 1 MA's), (Start: 171 @6294 has 4 MA's), (Start: 193 @6252 has 3 MA's), (Start: 201 @6243 has 161 MA's), (Start: 288 @6087 has 4 MA's), (295, 6075), (320, 6015), (339, 5973), (343, 5967), (345, 5955), (362, 5916), (366, 5904), (384, 5841), (394, 5808), (412, 5775), (413, 5772), (417, 5760), (419, 5757), (443, 5724), (453, 5703),

Gene: Heathcliff_8 Start: 5408, Stop: 4863, Start Num: 201

Candidate Starts for Heathcliff_8:

(Start: 155 @5480 has 7 MA's), (Start: 201 @5408 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: Hedgerow_9 Start: 6573, Stop: 7148, Start Num: 201

Candidate Starts for Hedgerow_9:

(124, 6438), (Start: 134 @6456 has 3 MA's), (147, 6477), (148, 6480), (Start: 201 @6573 has 161 MA's), (233, 6630), (238, 6642), (Start: 246 @6660 has 1 MA's), (295, 6753), (300, 6762), (339, 6852), (341, 6855), (343, 6858), (357, 6894), (370, 6930), (372, 6939), (384, 6984), (385, 6987), (388, 6996), (414, 7056), (416, 7062), (417, 7065), (443, 7101), (454, 7125), (456, 7134),

Gene: Held_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Held_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: HenryJackson_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for HenryJackson_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Hertubise_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Hertubise_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: Hetaeria_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Hetaeria_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: HighStump_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for HighStump_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Hilltopfarm_84 Start: 54597, Stop: 55166, Start Num: 237

Candidate Starts for Hilltopfarm_84:

(Start: 171 @54468 has 4 MA's), (173, 54471), (191, 54507), (Start: 237 @54597 has 69 MA's), (273, 54663), (304, 54753), (305, 54756), (320, 54786), (321, 54789), (345, 54846), (357, 54870), (362, 54885), (365, 54894), (366, 54897), (368, 54900), (371, 54912), (387, 54960), (401, 54981), (420, 55047), (431, 55068), (445, 55101), (455, 55122), (461, 55134),

Gene: Hitter_73 Start: 44905, Stop: 45495, Start Num: 215

Candidate Starts for Hitter_73:

(Start: 215 @44905 has 51 MA's), (325, 45127), (329, 45139), (332, 45145), (353, 45190), (361, 45208), (366, 45226), (368, 45229), (378, 45268), (379, 45271), (417, 45397),

Gene: Hocus_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Hocus_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: HogWash_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for HogWash_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Holeinone_9 Start: 6474, Stop: 7049, Start Num: 201

Candidate Starts for Holeinone_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (147, 6378), (148, 6381), (Start: 201 @6474 has 161 MA's), (233, 6531), (238, 6543), (Start: 246 @6561 has 1 MA's), (295, 6654), (300, 6663), (339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888), (388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: Hope_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Hope_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Horchata_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Horchata_6:

(Start: 195 @3917 has 270 MA's), (Start: 216 @3887 has 6 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Hosp_03 Start: 2921, Stop: 2343, Start Num: 201

Candidate Starts for Hosp_03:

(Start: 201 @2921 has 161 MA's), (262, 2798), (269, 2789), (Start: 288 @2747 has 4 MA's), (310, 2705), (323, 2672), (343, 2630), (350, 2606), (362, 2579), (366, 2567), (368, 2564), (388, 2492), (407, 2465), (412, 2438), (417, 2423), (419, 2420), (443, 2387), (454, 2363),

Gene: Hotshotbaby7_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Hotshotbaby7_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Hydro_7 Start: 6240, Stop: 5677, Start Num: 201

Candidate Starts for Hydro_7:

(Start: 162 @6300 has 1 MA's), (Start: 171 @6291 has 4 MA's), (Start: 193 @6249 has 3 MA's), (Start: 201 @6240 has 161 MA's), (Start: 288 @6084 has 4 MA's), (295, 6072), (320, 6012), (339, 5970), (343, 5964), (345, 5952), (362, 5913), (366, 5901), (384, 5838), (394, 5805), (412, 5772), (413, 5769), (417, 5757), (419, 5754), (443, 5721), (453, 5700),

Gene: Hyperion_53 Start: 41601, Stop: 41029, Start Num: 210

Candidate Starts for Hyperion_53:

(37, 42087), (66, 41916), (72, 41895), (75, 41886), (101, 41799), (112, 41751), (156, 41661), (Start: 210 @41601 has 44 MA's), (243, 41535), (312, 41397), (314, 41388), (320, 41370), (364, 41262), (370, 41247), (372, 41238), (388, 41181), (422, 41106), (440, 41076), (454, 41052),

Gene: ImtiyazSitla_6 Start: 3765, Stop: 3361, Start Num: 288

Candidate Starts for ImtiyazSitla_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Imvubu_3 Start: 3042, Stop: 2464, Start Num: 201

Candidate Starts for Imvubu_3:

(Start: 201 @3042 has 161 MA's), (Start: 252 @2937 has 1 MA's), (262, 2919), (Start: 288 @2868 has 4 MA's), (306, 2835), (323, 2793), (343, 2751), (362, 2700), (384, 2625), (417, 2544), (431, 2523), (443, 2508), (454, 2484),

Gene: Inchworm_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Inchworm_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Indlovu_7 Start: 5906, Stop: 5328, Start Num: 182

Candidate Starts for Indlovu_7:

(43, 6362), (53, 6290), (87, 6149), (88, 6143), (95, 6107), (174, 5927), (Start: 182 @5906 has 2 MA's), (Start: 195 @5885 has 270 MA's), (Start: 288 @5735 has 4 MA's), (291, 5732), (295, 5723), (301, 5711), (343, 5624), (350, 5600), (364, 5567), (366, 5561), (435, 5378),

Gene: Inspectinfecti_65 Start: 49553, Stop: 50200, Start Num: 197

Candidate Starts for Inspectinfecti_65:

(Start: 197 @49553 has 49 MA's), (242, 49631), (269, 49679), (277, 49694), (297, 49751), (301, 49763), (306, 49781), (320, 49823), (342, 49874), (366, 49940), (368, 49943), (386, 50009), (388, 50015), (417, 50087), (443, 50129), (453, 50150),

Gene: Inverness_6 Start: 3920, Stop: 3366, Start Num: 195

Candidate Starts for Inverness_6:

(Start: 195 @3920 has 270 MA's), (Start: 227 @3875 has 4 MA's), (Start: 288 @3770 has 4 MA's), (323, 3695), (339, 3659), (343, 3653), (385, 3524), (388, 3515), (445, 3404),

Gene: Iridessa_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Iridessa_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Iridoclysis_6 Start: 3922, Stop: 3368, Start Num: 195

Candidate Starts for Iridoclysis_6:

(Start: 195 @3922 has 270 MA's), (Start: 216 @3892 has 6 MA's), (Start: 227 @3877 has 4 MA's), (Start: 288 @3772 has 4 MA's), (323, 3697), (339, 3661), (343, 3655), (385, 3526), (388, 3517), (445, 3406),

Gene: IsaacEli_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for IsaacEli_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: ItsyBitsy1_9 Start: 6465, Stop: 7040, Start Num: 201

Candidate Starts for ItsyBitsy1_9:

(124, 6330), (Start: 134 @6348 has 3 MA's), (137, 6351), (147, 6369), (148, 6372), (Start: 201 @6465 has 161 MA's), (233, 6522), (238, 6534), (253, 6564), (295, 6645), (300, 6654), (339, 6744), (341, 6747), (343, 6750), (357, 6786), (370, 6822), (372, 6831), (384, 6876), (385, 6879), (388, 6888), (414, 6948), (416, 6954), (417, 6957), (443, 6993), (454, 7017), (456, 7026),

Gene: JAMaL_6 Start: 5764, Stop: 5204, Start Num: 201

Candidate Starts for JAMaL_6:

(Start: 201 @5764 has 161 MA's), (Start: 288 @5608 has 4 MA's), (339, 5497), (343, 5491), (345, 5479), (350, 5467), (366, 5428), (368, 5425), (384, 5365), (412, 5299), (413, 5296), (417, 5284), (419, 5281), (435, 5254), (443, 5248),

Gene: JDog_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for JDog_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: JKSyngboy_65 Start: 50739, Stop: 51374, Start Num: 197

Candidate Starts for JKSyngboy_65:

(Start: 197 @50739 has 49 MA's), (208, 50751), (324, 50976), (342, 51015), (345, 51030), (360, 51060), (362, 51069), (365, 51078), (394, 51177), (424, 51258), (453, 51315),

Gene: Jabberwocky_67 Start: 52034, Stop: 52672, Start Num: 197

Candidate Starts for Jabberwocky_67:

(97, 51833), (108, 51878), (Start: 136 @51932 has 1 MA's), (Start: 158 @51980 has 1 MA's), (Start: 177 @52001 has 3 MA's), (Start: 197 @52034 has 49 MA's), (284, 52184), (324, 52274), (342, 52313), (345, 52328), (365, 52376), (368, 52382), (394, 52475), (424, 52556), (453, 52613),

Gene: JacAttac_6 Start: 3885, Stop: 3361, Start Num: 216

Candidate Starts for JacAttac_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Jackstina_7 Start: 5402, Stop: 4752, Start Num: 155

Candidate Starts for Jackstina_7:

(Start: 155 @5402 has 7 MA's), (Start: 201 @5330 has 161 MA's), (Start: 256 @5222 has 1 MA's), (272, 5195), (Start: 288 @5156 has 4 MA's), (306, 5123), (311, 5111), (374, 4958), (384, 4916), (394, 4883), (412, 4850), (439, 4799), (454, 4772),

Gene: JaguarMi_7 Start: 5906, Stop: 5340, Start Num: 201

Candidate Starts for JaguarMi_7:

(125, 6038), (Start: 136 @6020 has 1 MA's), (Start: 162 @5966 has 1 MA's), (168, 5960), (184, 5930), (Start: 201 @5906 has 161 MA's), (236, 5846), (269, 5792), (Start: 288 @5750 has 4 MA's), (323, 5669), (343, 5627), (350, 5603), (359, 5588), (366, 5564), (368, 5561), (384, 5501), (412, 5435), (413, 5432), (417, 5420), (419, 5417), (453, 5363),

Gene: JakeO_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for JakeO_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Jakelyne_40 Start: 22799, Stop: 23371, Start Num: 214

Candidate Starts for Jakelyne_40:

(125, 22637), (Start: 214 @22799 has 13 MA's), (229, 22823), (233, 22829), (287, 22943), (300, 22970), (310, 22991), (326, 23033), (334, 23048), (340, 23060), (356, 23102), (382, 23189), (384, 23195), (388, 23207), (413, 23261),

Gene: Jalammah_78 Start: 48811, Stop: 49401, Start Num: 215

Candidate Starts for Jalammah_78:

(Start: 215 @48811 has 51 MA's), (325, 49033), (329, 49045), (332, 49051), (353, 49096), (361, 49114), (366, 49132), (368, 49135), (378, 49174), (379, 49177), (417, 49303), (451, 49375),

Gene: Jambalaya_62 Start: 46938, Stop: 47537, Start Num: 201

Candidate Starts for Jambalaya_62:

(3, 45984), (4, 45990), (5, 45996), (6, 46002), (7, 46008), (9, 46032), (96, 46710), (Start: 201 @46938 has 161 MA's), (333, 47172), (372, 47268), (384, 47313), (411, 47370), (421, 47403), (427, 47412), (437, 47442), (443, 47454), (468, 47520),

Gene: Jane_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Jane_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: JangoPhett_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for JangoPhett_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: JasperJr_73 Start: 46646, Stop: 47236, Start Num: 215

Candidate Starts for JasperJr_73:

(77, 46373), (86, 46394), (Start: 215 @46646 has 51 MA's), (320, 46853), (325, 46868), (329, 46880), (332, 46886), (353, 46931), (361, 46949), (366, 46967), (368, 46970), (378, 47009), (379, 47012), (417, 47138), (451, 47210),

Gene: Jehoshaphat_55 Start: 42218, Stop: 41640, Start Num: 210

Candidate Starts for Jehoshaphat_55:

(88, 42461), (147, 42299), (Start: 210 @42218 has 44 MA's), (271, 42107), (314, 42002), (357, 41897), (372, 41852), (375, 41846), (384, 41807), (389, 41792), (413, 41738), (454, 41663),

Gene: Jeilious_50 Start: 36913, Stop: 37503, Start Num: 237

Candidate Starts for Jeilious_50:

(17, 36241), (18, 36244), (61, 36535), (99, 36664), (129, 36736), (202, 36859), (218, 36880), (222, 36886), (Start: 237 @36913 has 69 MA's), (262, 36961), (300, 37057), (308, 37084), (319, 37105), (321, 37111), (329, 37135), (366, 37222), (376, 37252), (384, 37285), (387, 37294), (399, 37333), (410, 37372), (417, 37399), (450, 37468),

Gene: Jesabah_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Jesabah_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Jillium_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Jillium_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Jiminy_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Jiminy_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Jiraiya_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Jiraiya_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Jolene_51 Start: 37076, Stop: 37666, Start Num: 237

Candidate Starts for Jolene_51:

(Start: 237 @37076 has 69 MA's), (262, 37124), (300, 37220), (319, 37268), (321, 37274), (329, 37298), (366, 37385), (376, 37415), (384, 37448), (387, 37457), (399, 37496), (410, 37535), (417, 37562), (450, 37631),

Gene: Jolie1_05 Start: 4719, Stop: 4141, Start Num: 201

Candidate Starts for Jolie1_05:

(Start: 201 @4719 has 161 MA's), (229, 4671), (262, 4596), (269, 4587), (Start: 288 @4545 has 4 MA's), (295, 4533), (310, 4503), (323, 4470), (343, 4428), (350, 4404), (368, 4362), (384, 4302), (388, 4290), (407, 4263), (417, 4221), (419, 4218), (431, 4200), (443, 4185), (454, 4161),

Gene: Jolie2_51 Start: 38020, Stop: 38622, Start Num: 237

Candidate Starts for Jolie2_51:

(123, 37849), (129, 37858), (151, 37903), (176, 37936), (Start: 237 @38020 has 69 MA's), (300, 38164), (321, 38218), (357, 38302), (366, 38329), (384, 38392), (387, 38401), (410, 38491), (417, 38518),

Gene: Jonghyun_49 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Jonghyun_49:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: JorRay_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for JorRay_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: JoyceMaria_7 Start: 6243, Stop: 5680, Start Num: 201

Candidate Starts for JoyceMaria_7:

(Start: 162 @6303 has 1 MA's), (Start: 171 @6294 has 4 MA's), (Start: 193 @6252 has 3 MA's), (Start: 201 @6243 has 161 MA's), (Start: 288 @6087 has 4 MA's), (295, 6075), (320, 6015), (339, 5973), (343, 5967), (345, 5955), (362, 5916), (366, 5904), (384, 5841), (394, 5808), (412, 5775), (413, 5772), (417, 5760), (419, 5757), (443, 5724), (453, 5703),

Gene: JrWilcox_109 Start: 59782, Stop: 60369, Start Num: 244

Candidate Starts for JrWilcox_109:

(185, 59659), (Start: 244 @59782 has 1 MA's), (301, 59902), (336, 59992), (357, 60037), (372, 60082), (384, 60127), (385, 60130), (388, 60139), (395, 60157), (404, 60160), (417, 60211), (430, 60235), (436, 60250),

Gene: JuJu_82 Start: 50269, Stop: 50862, Start Num: 213

Candidate Starts for JuJu_82:

(Start: 213 @50269 has 3 MA's), (325, 50494), (329, 50506), (332, 50512), (353, 50557), (361, 50575), (368, 50596), (379, 50638), (417, 50764), (451, 50836),

Gene: Judebell_56 Start: 41864, Stop: 41286, Start Num: 210

Candidate Starts for Judebell_56:

(Start: 210 @41864 has 44 MA's), (263, 41765), (271, 41753), (314, 41648), (372, 41498), (384, 41453), (389, 41438), (454, 41309),

Gene: JustASigh_69 Start: 44678, Stop: 45514, Start Num: 115

Candidate Starts for JustASigh_69:

(Start: 115 @44678 has 1 MA's), (190, 44810), (Start: 216 @44855 has 6 MA's), (224, 44867), (298, 45023), (305, 45044), (334, 45128), (353, 45170), (357, 45179), (381, 45257), (404, 45365), (405, 45368), (417, 45416), (421, 45425), (458, 45503),

Gene: KLUcky39_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for KLUcky39_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Kahve_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Kahve_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Kailash_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Kailash_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's),
(Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Kaleb_9 Start: 6648, Stop: 7166, Start Num: 233

Candidate Starts for Kaleb_9:

(124, 6456), (Start: 134 @6474 has 3 MA's), (147, 6495), (148, 6498), (Start: 201 @6591 has 161
MA's), (233, 6648), (238, 6660), (Start: 246 @6678 has 1 MA's), (295, 6771), (300, 6780), (323, 6834),
(339, 6870), (341, 6873), (343, 6876), (357, 6912), (370, 6948), (372, 6957), (384, 7002), (385, 7005),
(388, 7014), (414, 7074), (416, 7080), (417, 7083), (443, 7119), (454, 7143), (456, 7152),

Gene: Kamashten_67 Start: 51068, Stop: 51706, Start Num: 197

Candidate Starts for Kamashten_67:

(Start: 197 @51068 has 49 MA's), (284, 51218), (321, 51299), (324, 51308), (342, 51347), (345,
51362), (365, 51410), (394, 51509), (424, 51590), (453, 51647),

Gene: Kamiyu_8 Start: 5408, Stop: 4863, Start Num: 201

Candidate Starts for Kamiyu_8:

(Start: 155 @5480 has 7 MA's), (Start: 201 @5408 has 161 MA's), (Start: 256 @5333 has 1 MA's),
(272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394,
4994), (412, 4961), (439, 4910), (454, 4883),

Gene: KappaFarmDelta_74 Start: 46258, Stop: 46848, Start Num: 215

Candidate Starts for KappaFarmDelta_74:

(Start: 215 @46258 has 51 MA's), (325, 46480), (329, 46492), (332, 46498), (353, 46543), (361,
46561), (366, 46579), (368, 46582), (378, 46621), (379, 46624), (417, 46750),

Gene: KarasumaRum_8 Start: 6203, Stop: 5637, Start Num: 201

Candidate Starts for KarasumaRum_8:

(30, 6839), (32, 6767), (38, 6701), (138, 6317), (Start: 163 @6263 has 10 MA's), (169, 6257), (184,
6227), (Start: 201 @6203 has 161 MA's), (Start: 288 @6044 has 4 MA's), (323, 5966), (343, 5924),
(350, 5900), (362, 5873), (384, 5798), (385, 5795), (435, 5687), (443, 5681), (453, 5660), (456, 5648),

Gene: Kareem_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Kareem_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222,
36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106),
(321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334),
(410, 37373), (417, 37400), (450, 37469),

Gene: Kasen3_51 Start: 36900, Stop: 37490, Start Num: 237

Candidate Starts for Kasen3_51:

(17, 36228), (18, 36231), (61, 36522), (99, 36651), (129, 36723), (202, 36846), (218, 36867), (222,
36873), (Start: 237 @36900 has 69 MA's), (262, 36948), (300, 37044), (308, 37071), (319, 37092),
(321, 37098), (329, 37122), (366, 37209), (376, 37239), (384, 37272), (387, 37281), (399, 37320),
(410, 37359), (417, 37386), (450, 37455),

Gene: Katniss_6 Start: 3865, Stop: 3365, Start Num: 231

Candidate Starts for Katniss_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's),
(Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445,
3403),

Gene: KayaCho_5 Start: 4722, Stop: 4144, Start Num: 201

Candidate Starts for KayaCho_5:

(Start: 201 @4722 has 161 MA's), (262, 4599), (269, 4590), (Start: 288 @4548 has 4 MA's), (310, 4506), (323, 4473), (343, 4431), (350, 4407), (362, 4380), (366, 4368), (368, 4365), (384, 4305), (388, 4293), (407, 4266), (412, 4239), (417, 4224), (419, 4221), (454, 4164),

Gene: Keitabear_67 Start: 52547, Stop: 53185, Start Num: 197

Candidate Starts for Keitabear_67:

(89, 52316), (97, 52340), (Start: 136 @52445 has 1 MA's), (Start: 158 @52493 has 1 MA's), (Start: 177 @52514 has 3 MA's), (Start: 197 @52547 has 49 MA's), (284, 52697), (324, 52787), (342, 52826), (345, 52841), (365, 52889), (368, 52895), (394, 52988), (424, 53069), (453, 53126),

Gene: Keitherie_6 Start: 3914, Stop: 3360, Start Num: 195

Candidate Starts for Keitherie_6:

(Start: 195 @3914 has 270 MA's), (Start: 216 @3884 has 6 MA's), (Start: 227 @3869 has 4 MA's), (Start: 288 @3764 has 4 MA's), (323, 3689), (339, 3653), (343, 3647), (385, 3518), (388, 3509), (445, 3398),

Gene: Kelcole_59 Start: 42119, Stop: 41556, Start Num: 210

Candidate Starts for Kelcole_59:

(Start: 210 @42119 has 44 MA's), (287, 41975), (385, 41720), (388, 41711), (417, 41642), (454, 41579),

Gene: Kewpiedoll_67 Start: 51909, Stop: 52547, Start Num: 197

Candidate Starts for Kewpiedoll_67:

(89, 51678), (97, 51702), (Start: 136 @51807 has 1 MA's), (Start: 158 @51855 has 1 MA's), (Start: 177 @51876 has 3 MA's), (Start: 197 @51909 has 49 MA's), (245, 51984), (342, 52188), (345, 52203), (365, 52251), (394, 52350), (424, 52431), (453, 52488),

Gene: Khan1_6 Start: 3863, Stop: 3363, Start Num: 231

Candidate Starts for Khan1_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Kheth_9 Start: 6474, Stop: 7049, Start Num: 201

Candidate Starts for Kheth_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (147, 6378), (148, 6381), (Start: 201 @6474 has 161 MA's), (233, 6531), (238, 6543), (Start: 246 @6561 has 1 MA's), (295, 6654), (300, 6663), (339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888), (388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: Kikipoo_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Kikipoo_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: KillerQueen_62 Start: 42369, Stop: 41806, Start Num: 210

Candidate Starts for KillerQueen_62:

(Start: 210 @42369 has 44 MA's), (287, 42225), (345, 42087), (385, 41970), (388, 41961), (417, 41892), (454, 41829),

Gene: Kimbrough_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Kimbrough_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's),
(Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: KimmyK_64 Start: 47529, Stop: 48128, Start Num: 201

Candidate Starts for KimmyK_64:

(Start: 201 @47529 has 161 MA's), (368, 47844), (372, 47859), (384, 47904), (411, 47961), (421,
47994), (427, 48003), (437, 48033), (443, 48045), (468, 48111),

Gene: Kinbote_72 Start: 48245, Stop: 48856, Start Num: 215

Candidate Starts for Kinbote_72:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start:
215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334,
48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412,
48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: KingTut_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for KingTut_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's),
(Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445,
3403),

Gene: KingVeVeVe_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for KingVeVeVe_6:

(Start: 195 @3919 has 270 MA's), (Start: 216 @3889 has 6 MA's), (Start: 227 @3874 has 4 MA's),
(Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652),
(385, 3523), (388, 3514),

Gene: KlimbOn_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for KlimbOn_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's),
(323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Kloppinator_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Kloppinator_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's),
(323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Knocker_12 Start: 8689, Stop: 8117, Start Num: 193

Candidate Starts for Knocker_12:

(26, 9412), (41, 9166), (48, 9124), (52, 9094), (64, 9013), (75, 8980), (84, 8956), (90, 8923), (91, 8920),
(106, 8872), (114, 8842), (128, 8809), (131, 8800), (Start: 134 @8797 has 3 MA's), (142, 8788), (157,
8749), (Start: 162 @8740 has 1 MA's), (Start: 193 @8689 has 3 MA's), (Start: 201 @8680 has 161
MA's), (Start: 235 @8623 has 11 MA's), (262, 8572), (269, 8563), (Start: 288 @8521 has 4 MA's), (320,
8452), (343, 8404), (345, 8392), (356, 8371), (362, 8353), (364, 8347), (368, 8338), (384, 8278), (386,
8272), (417, 8197), (431, 8176), (443, 8161), (453, 8140),

Gene: Kolhan_9 Start: 6474, Stop: 7049, Start Num: 201

Candidate Starts for Kolhan_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (137, 6360), (146, 6372), (147, 6378), (Start: 201 @6474
has 161 MA's), (233, 6531), (238, 6543), (Start: 246 @6561 has 1 MA's), (295, 6654), (300, 6663),
(339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888),

(388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: Kronus_7 Start: 6024, Stop: 5473, Start Num: 201

Candidate Starts for Kronus_7:

(Start: 153 @6099 has 4 MA's), (164, 6081), (Start: 201 @6024 has 161 MA's), (Start: 256 @5943 has 1 MA's), (272, 5916), (Start: 288 @5877 has 4 MA's), (306, 5844), (311, 5832), (374, 5679), (384, 5637), (394, 5604), (412, 5571), (439, 5520), (454, 5493),

Gene: Kroos_66 Start: 50537, Stop: 51172, Start Num: 197

Candidate Starts for Kroos_66:

(Start: 197 @50537 has 49 MA's), (284, 50684), (324, 50774), (342, 50813), (364, 50873), (368, 50882), (394, 50975), (433, 51074),

Gene: Kwadwo_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Kwadwo_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Kwekel_62 Start: 45669, Stop: 46295, Start Num: 199

Candidate Starts for Kwekel_62:

(Start: 199 @45669 has 21 MA's), (Start: 231 @45726 has 7 MA's), (277, 45810), (311, 45882), (320, 45912), (361, 46011), (388, 46113), (413, 46173), (443, 46227), (449, 46242),

Gene: Kwksand96_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Kwksand96_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Kwobi_70 Start: 51148, Stop: 51783, Start Num: 197

Candidate Starts for Kwobi_70:

(Start: 197 @51148 has 49 MA's), (324, 51385), (342, 51424), (345, 51439), (360, 51469), (362, 51478), (365, 51487), (394, 51586), (413, 51646), (433, 51685),

Gene: Kyva_56 Start: 42015, Stop: 41443, Start Num: 210

Candidate Starts for Kyva_56:

(150, 42102), (Start: 210 @42015 has 44 MA's), (243, 41949), (312, 41811), (314, 41802), (320, 41784), (364, 41676), (372, 41652), (384, 41607), (388, 41595), (422, 41520), (440, 41490), (454, 41466),

Gene: Labeouficaum_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Labeouficaum_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Lambano_6 Start: 5143, Stop: 4583, Start Num: 201

Candidate Starts for Lambano_6:

(Start: 193 @5152 has 3 MA's), (Start: 201 @5143 has 161 MA's), (Start: 288 @4987 has 4 MA's), (295, 4975), (320, 4918), (339, 4876), (343, 4870), (345, 4858), (362, 4819), (384, 4744), (394, 4711), (412, 4678), (413, 4675), (417, 4663), (419, 4660), (453, 4606),

Gene: Lars_9 Start: 6591, Stop: 7166, Start Num: 201

Candidate Starts for Lars_9:

(124, 6456), (Start: 134 @6474 has 3 MA's), (147, 6495), (148, 6498), (Start: 201 @6591 has 161 MA's), (233, 6648), (238, 6660), (Start: 246 @6678 has 1 MA's), (295, 6771), (300, 6780), (339, 6870), (341, 6873), (343, 6876), (357, 6912), (370, 6948), (372, 6957), (384, 7002), (385, 7005), (388, 7014), (414, 7074), (416, 7080), (417, 7083), (443, 7119), (454, 7143), (456, 7152),

Gene: Larson_7 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Larson_7:

(Start: 195 @3917 has 270 MA's), (Start: 216 @3887 has 6 MA's), (Start: 227 @3872 has 4 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: LasagnaCat_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for LasagnaCat_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Lasso_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Lasso_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Laurie_9 Start: 6475, Stop: 7050, Start Num: 201

Candidate Starts for Laurie_9:

(Start: 201 @6475 has 161 MA's), (240, 6547), (253, 6574), (295, 6655), (300, 6664), (339, 6754), (341, 6757), (343, 6760), (357, 6796), (370, 6832), (372, 6841), (384, 6886), (385, 6889), (388, 6898), (413, 6955), (414, 6958), (416, 6964), (417, 6967), (443, 7003), (454, 7027), (456, 7036),

Gene: LeeLot_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for LeeLot_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Lego3393_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Lego3393_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Legolas_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Legolas_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Lehmann_7 Start: 3873, Stop: 3364, Start Num: 227

Candidate Starts for Lehmann_7:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: LeiMonet_6 Start: 3860, Stop: 3360, Start Num: 231

Candidate Starts for LeiMonet_6:

(Start: 195 @3914 has 270 MA's), (Start: 227 @3869 has 4 MA's), (Start: 231 @3860 has 7 MA's), (Start: 288 @3764 has 4 MA's), (323, 3689), (339, 3653), (343, 3647), (385, 3518), (388, 3509), (445, 3398),

Gene: LemonSlice_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for LemonSlice_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Lemuria_53 Start: 39211, Stop: 39813, Start Num: 232

Candidate Starts for Lemuria_53:

(192, 39169), (Start: 232 @39211 has 1 MA's), (273, 39277), (300, 39355), (321, 39409), (329, 39433), (357, 39493), (366, 39520), (376, 39550), (384, 39583), (387, 39592), (417, 39709),

Gene: Lennon_68 Start: 52663, Stop: 53334, Start Num: 177

Candidate Starts for Lennon_68:

(89, 52465), (97, 52489), (Start: 136 @52594 has 1 MA's), (Start: 158 @52642 has 1 MA's), (Start: 177 @52663 has 3 MA's), (Start: 197 @52696 has 49 MA's), (284, 52846), (324, 52936), (342, 52975), (345, 52990), (365, 53038), (368, 53044), (394, 53137), (424, 53218), (453, 53275),

Gene: Leonard_64 Start: 49616, Stop: 50263, Start Num: 197

Candidate Starts for Leonard_64:

(Start: 197 @49616 has 49 MA's), (242, 49694), (269, 49742), (277, 49757), (297, 49814), (301, 49826), (306, 49844), (320, 49886), (342, 49937), (366, 50003), (368, 50006), (386, 50072), (388, 50078), (417, 50150), (443, 50192), (453, 50213),

Gene: Lephleur_9 Start: 6474, Stop: 7049, Start Num: 201

Candidate Starts for Lephleur_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (147, 6378), (148, 6381), (Start: 201 @6474 has 161 MA's), (233, 6531), (238, 6543), (Start: 246 @6561 has 1 MA's), (295, 6654), (300, 6663), (339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888), (388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: LestyG_8 Start: 5417, Stop: 4866, Start Num: 201

Candidate Starts for LestyG_8:

(Start: 155 @5489 has 7 MA's), (Start: 201 @5417 has 161 MA's), (Start: 256 @5336 has 1 MA's), (272, 5309), (Start: 288 @5270 has 4 MA's), (306, 5237), (311, 5225), (374, 5072), (384, 5030), (394, 4997), (412, 4964), (439, 4913), (454, 4886),

Gene: Liefie_50 Start: 37020, Stop: 37610, Start Num: 237

Candidate Starts for Liefie_50:

(104, 36801), (106, 36804), (Start: 237 @37020 has 69 MA's), (262, 37068), (300, 37164), (308, 37191), (319, 37212), (321, 37218), (329, 37242), (366, 37329), (376, 37359), (384, 37392), (387, 37401), (399, 37440), (410, 37479), (417, 37506), (450, 37575),

Gene: Ligma_6 Start: 4904, Stop: 4362, Start Num: 201

Candidate Starts for Ligma_6:

(39, 5378), (70, 5207), (Start: 201 @4904 has 161 MA's), (Start: 232 @4850 has 1 MA's), (269, 4811), (320, 4697), (375, 4565), (384, 4526), (388, 4514), (389, 4511), (397, 4487), (412, 4460), (442, 4406), (454, 4382),

Gene: LilHam_61 Start: 47760, Stop: 48395, Start Num: 201

Candidate Starts for LilHam_61:

(107, 47580), (152, 47682), (Start: 201 @47760 has 161 MA's), (284, 47907), (324, 47997), (342, 48036), (345, 48051), (364, 48096), (368, 48105), (384, 48165), (394, 48198), (433, 48297),

Gene: LilHazelNut_74 Start: 48245, Stop: 48856, Start Num: 215

Candidate Starts for LilHazelNut_74:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start: 215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334, 48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412, 48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: LilMcDreamy_8 Start: 6993, Stop: 6421, Start Num: 201

Candidate Starts for LilMcDreamy_8:

(Start: 201 @6993 has 161 MA's), (Start: 252 @6897 has 1 MA's), (Start: 288 @6828 has 4 MA's), (323, 6750), (343, 6708), (345, 6696), (350, 6684), (362, 6657), (364, 6651), (388, 6570), (417, 6501), (443, 6465),

Gene: LilSmirk_9 Start: 6474, Stop: 7049, Start Num: 201

Candidate Starts for LilSmirk_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (147, 6378), (148, 6381), (Start: 201 @6474 has 161 MA's), (233, 6531), (238, 6543), (Start: 246 @6561 has 1 MA's), (295, 6654), (300, 6663), (339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888), (388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: Lilbeanie_66 Start: 45819, Stop: 46490, Start Num: 194

Candidate Starts for Lilbeanie_66:

(170, 45774), (187, 45807), (Start: 194 @45819 has 1 MA's), (321, 46077), (328, 46098), (332, 46107), (365, 46188), (394, 46287), (404, 46317), (417, 46368), (447, 46422), (470, 46482),

Gene: LittleDigger_6 Start: 5153, Stop: 4584, Start Num: 193

Candidate Starts for LittleDigger_6:

(Start: 193 @5153 has 3 MA's), (Start: 201 @5144 has 161 MA's), (Start: 288 @4988 has 4 MA's), (320, 4919), (339, 4877), (343, 4871), (345, 4859), (384, 4745), (394, 4712), (412, 4679), (413, 4676), (417, 4664), (419, 4661), (443, 4628), (453, 4607),

Gene: LittleMinkey_12 Start: 5267, Stop: 4686, Start Num: 195

Candidate Starts for LittleMinkey_12:

(Start: 182 @5288 has 2 MA's), (190, 5276), (Start: 195 @5267 has 270 MA's), (204, 5258), (253, 5174), (261, 5159), (Start: 288 @5102 has 4 MA's), (323, 5024), (325, 5015), (343, 4982), (350, 4958), (384, 4847), (385, 4844), (443, 4730), (454, 4706),

Gene: LittleMunchkin_7 Start: 6182, Stop: 5655, Start Num: 201

Candidate Starts for LittleMunchkin_7:

(56, 6563), (70, 6491), (187, 6197), (Start: 201 @6182 has 161 MA's), (Start: 227 @6137 has 4 MA's), (229, 6131), (275, 6098), (293, 6056), (312, 6014), (320, 5993), (321, 5990), (350, 5921), (372, 5867), (375, 5861), (384, 5822), (389, 5807), (397, 5783), (412, 5756), (417, 5741),

Gene: LizLemon_9 Start: 6591, Stop: 7166, Start Num: 201

Candidate Starts for LizLemon_9:

(124, 6456), (Start: 134 @6474 has 3 MA's), (147, 6495), (148, 6498), (Start: 201 @6591 has 161 MA's), (233, 6648), (238, 6660), (Start: 246 @6678 has 1 MA's), (295, 6771), (300, 6780), (339, 6870), (341, 6873), (343, 6876), (357, 6912), (370, 6948), (372, 6957), (384, 7002), (385, 7005), (388, 7014), (414, 7074), (416, 7080), (417, 7083), (443, 7119), (454, 7143), (456, 7152),

Gene: Llemily_53 Start: 40994, Stop: 40416, Start Num: 210

Candidate Starts for Llemily_53:

(88, 41237), (147, 41075), (Start: 210 @40994 has 44 MA's), (271, 40883), (314, 40778), (357, 40673), (372, 40628), (375, 40622), (384, 40583), (389, 40568), (413, 40514), (454, 40439),

Gene: Lolalove_7 Start: 6249, Stop: 5677, Start Num: 193

Candidate Starts for Lolalove_7:

(Start: 162 @6300 has 1 MA's), (Start: 171 @6291 has 4 MA's), (Start: 193 @6249 has 3 MA's), (Start: 201 @6240 has 161 MA's), (Start: 288 @6084 has 4 MA's), (295, 6072), (320, 6012), (339, 5970), (343, 5964), (345, 5952), (362, 5913), (366, 5901), (384, 5838), (394, 5805), (412, 5772), (413, 5769), (417, 5757), (419, 5754), (443, 5721), (453, 5700),

Gene: Lonelysoil_52 Start: 41197, Stop: 40625, Start Num: 210

Candidate Starts for Lonelysoil_52:

(156, 41257), (Start: 210 @41197 has 44 MA's), (243, 41131), (312, 40993), (314, 40984), (320, 40966), (364, 40858), (370, 40843), (372, 40834), (384, 40789), (388, 40777), (422, 40702), (440, 40672), (454, 40648),

Gene: Longacauda_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Longacauda_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Lopsy_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Lopsy_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Losacky_38 Start: 22833, Stop: 23396, Start Num: 214

Candidate Starts for Losacky_38:

(125, 22662), (Start: 214 @22833 has 13 MA's), (222, 22845), (233, 22863), (287, 22968), (303, 23004), (306, 23007), (326, 23058), (334, 23073), (340, 23085), (355, 23124), (382, 23214), (384, 23220), (388, 23232), (413, 23286), (429, 23313),

Gene: LostAndPhound_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for LostAndPhound_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: LouisV14_53 Start: 39179, Stop: 39769, Start Num: 237

Candidate Starts for LouisV14_53:

(17, 38507), (18, 38510), (61, 38801), (99, 38930), (129, 39002), (202, 39125), (218, 39146), (222, 39152), (Start: 237 @39179 has 69 MA's), (262, 39227), (300, 39323), (308, 39350), (319, 39371), (321, 39377), (329, 39401), (366, 39488), (376, 39518), (384, 39551), (387, 39560), (399, 39599), (410, 39638), (417, 39665), (450, 39734),

Gene: Love_73 Start: 52438, Stop: 53076, Start Num: 197

Candidate Starts for Love_73:

(Start: 197 @52438 has 49 MA's), (284, 52588), (324, 52678), (342, 52717), (345, 52732), (365, 52780), (368, 52786), (384, 52846), (394, 52879), (424, 52960), (453, 53017),

Gene: LuckyMarjie_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for LuckyMarjie_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's),
(Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: Luke_71 Start: 48119, Stop: 48811, Start Num: 163

Candidate Starts for Luke_71:

(67, 47882), (Start: 163 @48119 has 10 MA's), (172, 48128), (Start: 197 @48170 has 49 MA's), (Start: 215 @48200 has 51 MA's), (264, 48281), (297, 48365), (305, 48389), (307, 48398), (321, 48428), (334, 48461), (362, 48527), (375, 48563), (386, 48617), (392, 48641), (394, 48644), (406, 48659), (412, 48686), (417, 48701), (421, 48710), (431, 48728), (437, 48743),

Gene: Lulumae_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Lulumae_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's),
(323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Lulwa_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Lulwa_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's),
(Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Lumine_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Lumine_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's),
(Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: Luna22_67 Start: 48148, Stop: 48840, Start Num: 163

Candidate Starts for Luna22_67:

(67, 47911), (Start: 163 @48148 has 10 MA's), (172, 48157), (Start: 197 @48199 has 49 MA's), (Start: 215 @48229 has 51 MA's), (264, 48310), (297, 48394), (305, 48418), (307, 48427), (321, 48457), (334, 48490), (362, 48556), (375, 48592), (386, 48646), (392, 48670), (394, 48673), (406, 48688), (412, 48715), (417, 48730), (421, 48739), (431, 48757), (437, 48772),

Gene: Lysidious_76 Start: 47074, Stop: 47670, Start Num: 213

Candidate Starts for Lysidious_76:

(130, 46966), (144, 46984), (167, 47026), (Start: 213 @47074 has 3 MA's), (325, 47299), (329, 47311),
(332, 47317), (366, 47398), (368, 47401), (379, 47443), (417, 47569),

Gene: MOOREtheMARYer_53 Start: 38622, Stop: 39209, Start Num: 209

Candidate Starts for MOOREtheMARYer_53:

(35, 38118), (110, 38466), (129, 38505), (Start: 209 @38622 has 2 MA's), (262, 38670), (303, 38775),
(320, 38817), (321, 38820), (384, 38994), (385, 38997), (387, 39003), (410, 39078), (417, 39105),
(425, 39120),

Gene: MRabcd_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for MRabcd_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's),
(323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Mag7_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Mag7_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's),
(Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Magic8_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Magic8_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's),
(323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Magpie_7 Start: 6237, Stop: 5677, Start Num: 201

Candidate Starts for Magpie_7:

(125, 6369), (Start: 136 @6351 has 1 MA's), (Start: 162 @6297 has 1 MA's), (168, 6291), (184, 6261),
(Start: 201 @6237 has 161 MA's), (Start: 288 @6081 has 4 MA's), (295, 6069), (320, 6012), (339,
5970), (343, 5964), (345, 5952), (350, 5940), (362, 5913), (394, 5805), (412, 5772), (413, 5769), (417,
5757), (419, 5754), (435, 5727), (443, 5721), (453, 5700),

Gene: Maih_59 Start: 48773, Stop: 49363, Start Num: 235

Candidate Starts for Maih_59:

(165, 48650), (Start: 235 @48773 has 11 MA's), (272, 48824), (280, 48848), (290, 48875), (298,
48899), (308, 48932), (320, 48959), (321, 48962), (332, 48992), (350, 49031), (357, 49046), (366,
49073), (368, 49076), (392, 49166), (402, 49181), (405, 49187), (417, 49235), (432, 49265), (448,
49301),

Gene: MakoManhole_8 Start: 6372, Stop: 5821, Start Num: 201

Candidate Starts for MakoManhole_8:

(154, 6432), (Start: 163 @6417 has 10 MA's), (169, 6411), (Start: 201 @6372 has 161 MA's), (Start:
227 @6327 has 4 MA's), (229, 6321), (Start: 288 @6234 has 4 MA's), (299, 6216), (310, 6192), (320,
6165), (321, 6162), (323, 6159), (364, 6060), (388, 5979), (417, 5907), (431, 5886), (456, 5832),

Gene: Malachai_73 Start: 48471, Stop: 49061, Start Num: 215

Candidate Starts for Malachai_73:

(77, 48171), (86, 48192), (Start: 215 @48471 has 51 MA's), (325, 48693), (329, 48705), (332, 48711),
(353, 48756), (361, 48774), (366, 48792), (368, 48795), (378, 48834), (379, 48837), (417, 48963),

Gene: Maliketh_49 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Maliketh_49:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222,
36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106),
(321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334),
(410, 37373), (417, 37400), (450, 37469),

Gene: Mana_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Mana_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's),
(323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Manad_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Manad_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's),
(323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Marcie_66 Start: 43018, Stop: 42455, Start Num: 210

Candidate Starts for Marcie_66:

(Start: 210 @43018 has 44 MA's), (287, 42874), (385, 42619), (388, 42610), (417, 42541), (454, 42478),

Gene: Mariel_40 Start: 23134, Stop: 23700, Start Num: 214

Candidate Starts for Mariel_40:

(102, 22897), (125, 22972), (Start: 214 @23134 has 13 MA's), (233, 23161), (300, 23299), (310, 23320), (312, 23326), (334, 23377), (340, 23389), (356, 23431), (382, 23518), (384, 23524), (388, 23536), (413, 23590), (432, 23626),

Gene: Mariokart_6 Start: 4909, Stop: 4358, Start Num: 201

Candidate Starts for Mariokart_6:

(Start: 201 @4909 has 161 MA's), (Start: 256 @4828 has 1 MA's), (259, 4822), (269, 4804), (275, 4795), (320, 4693), (357, 4609), (372, 4564), (375, 4558), (384, 4519), (388, 4507), (389, 4504), (397, 4480), (412, 4453), (413, 4450), (454, 4378),

Gene: Marley1013_8 Start: 6203, Stop: 5625, Start Num: 201

Candidate Starts for Marley1013_8:

(Start: 155 @6275 has 7 MA's), (Start: 201 @6203 has 161 MA's), (Start: 256 @6095 has 1 MA's), (272, 6068), (Start: 288 @6029 has 4 MA's), (306, 5996), (311, 5984), (374, 5831), (384, 5789), (394, 5756), (412, 5723), (439, 5672), (454, 5645),

Gene: Marlia_8 Start: 5408, Stop: 4863, Start Num: 201

Candidate Starts for Marlia_8:

(Start: 155 @5480 has 7 MA's), (Start: 201 @5408 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: Marmie_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Marmie_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Maru_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Maru_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Mashley_52 Start: 41380, Stop: 40808, Start Num: 210

Candidate Starts for Mashley_52:

(72, 41674), (75, 41665), (101, 41578), (112, 41530), (156, 41440), (Start: 210 @41380 has 44 MA's), (243, 41314), (312, 41176), (314, 41167), (320, 41149), (364, 41041), (370, 41026), (372, 41017), (384, 40972), (388, 40960), (422, 40885), (440, 40855), (454, 40831),

Gene: Maskar_6 Start: 3765, Stop: 3361, Start Num: 288

Candidate Starts for Maskar_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: MasterPo_9 Start: 6474, Stop: 7049, Start Num: 201

Candidate Starts for MasterPo_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (137, 6360), (147, 6378), (148, 6381), (Start: 201 @6474 has 161 MA's), (233, 6531), (238, 6543), (Start: 246 @6561 has 1 MA's), (295, 6654), (300, 6663), (339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888), (388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: Matalotodo_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Matalotodo_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: McCrothy_67 Start: 52527, Stop: 53165, Start Num: 197

Candidate Starts for McCrothy_67:

(Start: 197 @52527 has 49 MA's), (284, 52677), (324, 52767), (342, 52806), (345, 52821), (365, 52869), (368, 52875), (394, 52968), (424, 53049), (453, 53106),

Gene: McKinley_69 Start: 51576, Stop: 52214, Start Num: 197

Candidate Starts for McKinley_69:

(40, 51108), (54, 51195), (59, 51231), (Start: 136 @51474 has 1 MA's), (Start: 158 @51522 has 1 MA's), (Start: 177 @51543 has 3 MA's), (Start: 197 @51576 has 49 MA's), (284, 51726), (324, 51816), (342, 51855), (345, 51870), (365, 51918), (368, 51924), (394, 52017), (424, 52098), (453, 52155),

Gene: Mcshane_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Mcshane_6:

(Start: 195 @3919 has 270 MA's), (Start: 216 @3889 has 6 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Mecca_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Mecca_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Megamind20_7 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Megamind20_7:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Megatron_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Megatron_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: MelBins_67 Start: 50181, Stop: 50828, Start Num: 199

Candidate Starts for MelBins_67:

(Start: 199 @50181 has 21 MA's), (242, 50259), (269, 50307), (277, 50322), (297, 50379), (301, 50391), (342, 50502), (366, 50568), (368, 50571), (386, 50637), (388, 50643), (417, 50715), (443, 50757), (453, 50778),

Gene: Melba_74 Start: 45340, Stop: 45930, Start Num: 215

Candidate Starts for Melba_74:

(77, 45037), (86, 45058), (Start: 215 @45340 has 51 MA's), (325, 45562), (329, 45574), (332, 45580), (366, 45661), (368, 45664), (379, 45706), (417, 45832),

Gene: Melc17_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Melc17_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Mellie_72 Start: 45623, Stop: 46213, Start Num: 215

Candidate Starts for Mellie_72:

(42, 45134), (53, 45209), (71, 45299), (Start: 215 @45623 has 51 MA's), (264, 45698), (325, 45845), (329, 45857), (332, 45863), (366, 45944), (379, 45989), (417, 46115), (451, 46187),

Gene: MelsMeow_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for MelsMeow_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: MenE_38 Start: 22713, Stop: 23276, Start Num: 214

Candidate Starts for MenE_38:

(Start: 214 @22713 has 13 MA's), (222, 22725), (233, 22743), (262, 22806), (287, 22848), (303, 22884), (306, 22887), (326, 22938), (334, 22953), (340, 22965), (351, 22998), (355, 23004), (382, 23094), (384, 23100), (388, 23112), (413, 23166),

Gene: Mentos_58 Start: 42766, Stop: 42194, Start Num: 210

Candidate Starts for Mentos_58:

(150, 42853), (Start: 210 @42766 has 44 MA's), (243, 42700), (312, 42562), (314, 42553), (320, 42535), (364, 42427), (370, 42412), (372, 42403), (384, 42358), (388, 42346), (422, 42271), (440, 42241), (454, 42217),

Gene: Mercurio_53 Start: 39622, Stop: 40209, Start Num: 237

Candidate Starts for Mercurio_53:

(51, 39133), (225, 39583), (234, 39598), (Start: 237 @39622 has 69 MA's), (262, 39670), (265, 39676), (300, 39766), (321, 39820), (330, 39841), (366, 39928), (384, 39991), (387, 40000), (417, 40105), (450, 40174), (463, 40201),

Gene: Mesh1_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Mesh1_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Mesmerelda_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Mesmerelda_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: MichaelPhcott_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for MichaelPhcott_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Mikota_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Mikota_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Mila11_56 Start: 42848, Stop: 42276, Start Num: 210

Candidate Starts for Mila11_56:

(37, 43334), (66, 43163), (156, 42908), (Start: 210 @42848 has 44 MA's), (243, 42782), (312, 42644), (314, 42635), (320, 42617), (364, 42509), (370, 42494), (372, 42485), (384, 42440), (388, 42428), (422, 42353), (440, 42323), (454, 42299),

Gene: MiniBoss_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for MiniBoss_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: MintFen_75 Start: 45842, Stop: 46432, Start Num: 215

Candidate Starts for MintFen_75:

(77, 45569), (86, 45590), (Start: 215 @45842 has 51 MA's), (320, 46049), (325, 46064), (329, 46076), (332, 46082), (353, 46127), (361, 46145), (366, 46163), (368, 46166), (378, 46205), (379, 46208), (417, 46334), (451, 46406),

Gene: Mischief19_67 Start: 58954, Stop: 59559, Start Num: 235

Candidate Starts for Mischief19_67:

(186, 58867), (Start: 235 @58954 has 11 MA's), (241, 58978), (243, 58987), (281, 59062), (304, 59128), (323, 59176), (350, 59242), (351, 59245), (357, 59257), (375, 59308), (384, 59347), (405, 59398), (410, 59419), (417, 59446),

Gene: MissRona_80 Start: 50047, Stop: 50631, Start Num: 215

Candidate Starts for MissRona_80:

(1, 48946), (2, 48967), (14, 49162), (19, 49204), (21, 49222), (28, 49342), (50, 49609), (65, 49705), (Start: 215 @50047 has 51 MA's), (267, 50128), (270, 50131), (298, 50200), (320, 50251), (321, 50254), (323, 50257), (342, 50296), (349, 50317), (378, 50404), (387, 50443), (390, 50455), (400, 50464), (417, 50524), (431, 50551),

Gene: MitKao_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for MitKao_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Mithril_7 Start: 6294, Stop: 5680, Start Num: 171

Candidate Starts for Mithril_7:

(Start: 162 @6303 has 1 MA's), (Start: 171 @6294 has 4 MA's), (Start: 193 @6252 has 3 MA's), (Start: 201 @6243 has 161 MA's), (Start: 288 @6087 has 4 MA's), (295, 6075), (320, 6015), (339, 5973), (343, 5967), (345, 5955), (350, 5943), (366, 5904), (384, 5841), (394, 5808), (412, 5775), (413, 5772), (417, 5760), (419, 5757), (443, 5724), (453, 5703),

Gene: MmasiCarm_8 Start: 5414, Stop: 4863, Start Num: 201

Candidate Starts for MmasiCarm_8:

(Start: 153 @5489 has 4 MA's), (164, 5471), (Start: 201 @5414 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: MoontowerMania_68 Start: 52546, Stop: 53184, Start Num: 197

Candidate Starts for MoontowerMania_68:

(Start: 197 @52546 has 49 MA's), (284, 52696), (324, 52786), (342, 52825), (345, 52840), (365, 52888), (368, 52894), (384, 52954), (394, 52987), (424, 53068), (453, 53125),

Gene: Morgushi_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Morgushi_6:

(Start: 195 @3916 has 270 MA's), (Start: 216 @3886 has 6 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: MorillMayhem_54 Start: 41725, Stop: 41153, Start Num: 210

Candidate Starts for MorillMayhem_54:

(37, 42211), (66, 42040), (156, 41785), (Start: 210 @41725 has 44 MA's), (243, 41659), (312, 41521), (314, 41512), (320, 41494), (364, 41386), (370, 41371), (372, 41362), (384, 41317), (388, 41305), (422, 41230), (440, 41200), (454, 41176),

Gene: Mortcellus_7 Start: 6051, Stop: 5473, Start Num: 201

Candidate Starts for Mortcellus_7:

(Start: 155 @6123 has 7 MA's), (Start: 201 @6051 has 161 MA's), (Start: 256 @5943 has 1 MA's), (272, 5916), (Start: 288 @5877 has 4 MA's), (306, 5844), (311, 5832), (374, 5679), (384, 5637), (394, 5604), (412, 5571), (439, 5520), (454, 5493),

Gene: Morty_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Morty_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Morty007_8 Start: 6203, Stop: 5625, Start Num: 201

Candidate Starts for Morty007_8:

(Start: 155 @6275 has 7 MA's), (Start: 201 @6203 has 161 MA's), (Start: 256 @6095 has 1 MA's), (272, 6068), (Start: 288 @6029 has 4 MA's), (306, 5996), (311, 5984), (374, 5831), (384, 5789), (394, 5756), (412, 5723), (439, 5672), (454, 5645),

Gene: Mosaic_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Mosaic_6:

(Start: 195 @3919 has 270 MA's), (Start: 216 @3889 has 6 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: MossRose_8 Start: 6372, Stop: 5821, Start Num: 201

Candidate Starts for MossRose_8:

(154, 6432), (Start: 163 @6417 has 10 MA's), (169, 6411), (Start: 201 @6372 has 161 MA's), (Start: 227 @6327 has 4 MA's), (229, 6321), (Start: 288 @6234 has 4 MA's), (299, 6216), (310, 6192), (320, 6165), (321, 6162), (323, 6159), (364, 6060), (388, 5979), (417, 5907), (431, 5886), (456, 5832),

Gene: Mowgli_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Mowgli_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: MrPhizzler_6 Start: 3860, Stop: 3360, Start Num: 231

Candidate Starts for MrPhizzler_6:

(Start: 195 @3914 has 270 MA's), (Start: 227 @3869 has 4 MA's), (Start: 231 @3860 has 7 MA's), (Start: 288 @3764 has 4 MA's), (323, 3689), (339, 3653), (343, 3647), (385, 3518), (388, 3509), (445, 3398),

Gene: Mudslide_7 Start: 6237, Stop: 5677, Start Num: 201

Candidate Starts for Mudslide_7:

(132, 6357), (135, 6354), (Start: 201 @6237 has 161 MA's), (Start: 288 @6081 has 4 MA's), (295, 6069), (300, 6060), (320, 6012), (343, 5964), (345, 5952), (350, 5940), (362, 5913), (366, 5901), (394, 5805), (412, 5772), (417, 5757), (419, 5754), (443, 5721), (453, 5700),

Gene: Mulan_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Mulan_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Mulaychimus_8 Start: 5414, Stop: 4863, Start Num: 201

Candidate Starts for Mulaychimus_8:

(Start: 155 @5486 has 7 MA's), (Start: 201 @5414 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: Murdoc_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Murdoc_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Murp_73 Start: 48722, Stop: 49312, Start Num: 215

Candidate Starts for Murp_73:

(42, 48254), (71, 48419), (Start: 215 @48722 has 51 MA's), (325, 48944), (329, 48956), (332, 48962), (353, 49007), (361, 49025), (366, 49043), (368, 49046), (379, 49088), (417, 49214),

Gene: Mutante_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Mutante_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Mutzi_62 Start: 48367, Stop: 48966, Start Num: 201

Candidate Starts for Mutzi_62:

(Start: 201 @48367 has 161 MA's), (368, 48682), (372, 48697), (384, 48742), (411, 48799), (421, 48832), (427, 48841), (437, 48871), (443, 48883), (459, 48919), (468, 48949),

Gene: Mysterious_8 Start: 6489, Stop: 5926, Start Num: 201

Candidate Starts for Mysterious_8:

(Start: 201 @6489 has 161 MA's), (Start: 235 @6432 has 11 MA's), (Start: 288 @6333 has 4 MA's), (323, 6255), (343, 6213), (350, 6189), (362, 6162), (366, 6150), (384, 6087), (388, 6075), (407, 6048), (435, 5976), (443, 5970), (453, 5949),

Gene: NCRodriguez_38 Start: 22872, Stop: 23453, Start Num: 214

Candidate Starts for NCRodriguez_38:

(Start: 214 @22872 has 13 MA's), (233, 22902), (287, 23025), (300, 23052), (310, 23073), (326, 23115), (334, 23130), (340, 23142), (356, 23184), (382, 23271), (384, 23277), (388, 23289), (413, 23343),

Gene: NHagos_6 Start: 4853, Stop: 4311, Start Num: 201

Candidate Starts for NHagos_6:

(Start: 201 @4853 has 161 MA's), (229, 4802), (273, 4754), (323, 4643), (360, 4559), (362, 4550), (364, 4544), (372, 4520), (384, 4475), (389, 4460), (417, 4391),

Gene: Nacho_006 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Nacho_006:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Namago_54 Start: 41139, Stop: 40564, Start Num: 200

Candidate Starts for Namago_54:

(Start: 200 @41139 has 5 MA's), (243, 41070), (312, 40932), (314, 40923), (320, 40905), (364, 40797), (370, 40782), (372, 40773), (384, 40728), (388, 40716), (422, 40641), (440, 40611), (454, 40587),

Gene: Nanao_6 Start: 5152, Stop: 4583, Start Num: 193

Candidate Starts for Nanao_6:

(Start: 193 @5152 has 3 MA's), (Start: 201 @5143 has 161 MA's), (Start: 288 @4987 has 4 MA's), (295, 4975), (320, 4918), (339, 4876), (343, 4870), (345, 4858), (362, 4819), (384, 4744), (394, 4711), (412, 4678), (413, 4675), (417, 4663), (419, 4660), (453, 4606),

Gene: Nangang_8 Start: 6203, Stop: 5640, Start Num: 201

Candidate Starts for Nangang_8:

(Start: 201 @6203 has 161 MA's), (Start: 235 @6146 has 11 MA's), (Start: 288 @6047 has 4 MA's), (323, 5969), (343, 5927), (350, 5903), (366, 5864), (384, 5801), (385, 5798), (388, 5789), (407, 5762), (435, 5690), (443, 5684), (453, 5663), (456, 5651),

Gene: Nathan_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Nathan_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Natkenzie_66 Start: 50003, Stop: 50650, Start Num: 199

Candidate Starts for Natkenzie_66:

(113, 49841), (116, 49847), (122, 49865), (170, 49952), (Start: 199 @50003 has 21 MA's), (242, 50081), (265, 50123), (269, 50129), (301, 50195), (310, 50213), (342, 50297), (345, 50312), (370, 50372), (372, 50381), (388, 50447), (390, 50456), (428, 50534), (443, 50561), (471, 50639),

Gene: Nehemiah_7 Start: 6489, Stop: 5926, Start Num: 201

Candidate Starts for Nehemiah_7:

(Start: 201 @6489 has 161 MA's), (Start: 235 @6432 has 11 MA's), (Start: 288 @6333 has 4 MA's), (323, 6255), (343, 6213), (350, 6189), (362, 6162), (366, 6150), (384, 6087), (388, 6075), (407, 6048), (435, 5976), (443, 5970), (453, 5949),

Gene: Neoh_50 Start: 37352, Stop: 37942, Start Num: 237

Candidate Starts for Neoh_50:

(17, 36680), (18, 36683), (61, 36974), (99, 37103), (129, 37175), (202, 37298), (218, 37319), (222, 37325), (Start: 237 @37352 has 69 MA's), (262, 37400), (300, 37496), (308, 37523), (319, 37544), (321, 37550), (329, 37574), (366, 37661), (376, 37691), (384, 37724), (387, 37733), (399, 37772), (410, 37811), (417, 37838), (450, 37907),

Gene: Neos5_8 Start: 6203, Stop: 5625, Start Num: 201

Candidate Starts for Neos5_8:

(Start: 155 @6275 has 7 MA's), (Start: 201 @6203 has 161 MA's), (Start: 256 @6095 has 1 MA's), (272, 6068), (Start: 288 @6029 has 4 MA's), (306, 5996), (311, 5984), (374, 5831), (384, 5789), (394, 5756), (412, 5723), (439, 5672), (454, 5645),

Gene: Newman_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Newman_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Nicole21_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Nicole21_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Nigel_5 Start: 4707, Stop: 4126, Start Num: 201

Candidate Starts for Nigel_5:

(196, 4710), (Start: 201 @4707 has 161 MA's), (Start: 252 @4602 has 1 MA's), (254, 4599), (269, 4575), (Start: 288 @4533 has 4 MA's), (295, 4521), (323, 4455), (343, 4413), (345, 4401), (384, 4287), (417, 4206), (419, 4203), (443, 4170), (453, 4149),

Gene: Nike_54 Start: 41918, Stop: 41343, Start Num: 210

Candidate Starts for Nike_54:

(150, 42005), (Start: 210 @41918 has 44 MA's), (243, 41852), (312, 41711), (314, 41702), (320, 41684), (364, 41576), (370, 41561), (372, 41552), (384, 41507), (388, 41495), (422, 41420), (440, 41390), (454, 41366),

Gene: Nordenberg_67 Start: 50558, Stop: 51196, Start Num: 197

Candidate Starts for Nordenberg_67:

(Start: 197 @50558 has 49 MA's), (284, 50708), (324, 50798), (342, 50837), (345, 50852), (365, 50900), (368, 50906), (394, 50999), (424, 51080), (453, 51137),

Gene: NovoPizza_81 Start: 50384, Stop: 51010, Start Num: 207

Candidate Starts for NovoPizza_81:

(23, 49607), (55, 49991), (58, 50015), (72, 50075), (79, 50096), (119, 50231), (125, 50246), (145, 50273), (146, 50276), (207, 50384), (Start: 215 @50399 has 51 MA's), (249, 50453), (305, 50588), (311, 50606), (321, 50627), (334, 50660), (351, 50699), (362, 50726), (375, 50762), (376, 50768), (380, 50786), (390, 50831), (392, 50840), (394, 50843), (403, 50852), (417, 50900), (421, 50909), (429, 50921), (431, 50927),

Gene: Nozo_8 Start: 6176, Stop: 5625, Start Num: 201

Candidate Starts for Nozo_8:

(Start: 153 @6251 has 4 MA's), (164, 6233), (Start: 201 @6176 has 161 MA's), (Start: 256 @6095 has 1 MA's), (272, 6068), (Start: 288 @6029 has 4 MA's), (306, 5996), (311, 5984), (374, 5831), (384, 5789), (394, 5756), (412, 5723), (439, 5672), (454, 5645),

Gene: Nubi_63 Start: 46738, Stop: 47337, Start Num: 201

Candidate Starts for Nubi_63:

(Start: 201 @46738 has 161 MA's), (368, 47053), (372, 47068), (384, 47113), (411, 47170), (421, 47203), (427, 47212), (437, 47242), (443, 47254), (468, 47320),

Gene: Numberten_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Numberten_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Nyala_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Nyala_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: OBUpride_73 Start: 48289, Stop: 48900, Start Num: 215

Candidate Starts for OBUpride_73:

(67, 47971), (Start: 163 @48208 has 10 MA's), (172, 48217), (Start: 197 @48259 has 49 MA's), (Start: 215 @48289 has 51 MA's), (264, 48370), (297, 48454), (305, 48478), (307, 48487), (321, 48517), (334, 48550), (362, 48616), (375, 48652), (386, 48706), (392, 48730), (394, 48733), (406, 48748), (412, 48775), (417, 48790), (421, 48799), (431, 48817), (437, 48832),

Gene: OSmaximus_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for OSmaximus_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Obliviate_74 Start: 45891, Stop: 46481, Start Num: 215

Candidate Starts for Obliviate_74:

(Start: 215 @45891 has 51 MA's), (325, 46113), (329, 46125), (332, 46131), (366, 46212), (368, 46215), (379, 46257), (417, 46383),

Gene: Obutu_8 Start: 5414, Stop: 4863, Start Num: 201

Candidate Starts for Obutu_8:

(Start: 155 @5486 has 7 MA's), (Start: 201 @5414 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: OctaviousRex_50 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for OctaviousRex_50:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Olak_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Olak_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511),

Gene: Olga_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Olga_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Oline_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Oline_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Olive_6 Start: 3885, Stop: 3361, Start Num: 216

Candidate Starts for Olive_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: OliverWalter_6 Start: 3914, Stop: 3360, Start Num: 195

Candidate Starts for OliverWalter_6:

(Start: 195 @3914 has 270 MA's), (Start: 216 @3884 has 6 MA's), (Start: 227 @3869 has 4 MA's), (Start: 288 @3764 has 4 MA's), (323, 3689), (339, 3653), (343, 3647), (385, 3518), (388, 3509), (445, 3398),

Gene: Olivio_7 Start: 5262, Stop: 4711, Start Num: 201

Candidate Starts for Olivio_7:

(Start: 155 @5334 has 7 MA's), (Start: 201 @5262 has 161 MA's), (Start: 256 @5181 has 1 MA's), (272, 5154), (Start: 288 @5115 has 4 MA's), (306, 5082), (311, 5070), (374, 4917), (384, 4875), (394, 4842), (412, 4809), (439, 4758), (454, 4731),

Gene: Omniscient_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Omniscient_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: OneinaGillian_61 Start: 42021, Stop: 41458, Start Num: 210

Candidate Starts for OneinaGillian_61:

(Start: 210 @42021 has 44 MA's), (287, 41877), (385, 41622), (388, 41613), (417, 41544), (454, 41481),

Gene: Oosterbaan_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Oosterbaan_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Opia_9 Start: 6474, Stop: 7049, Start Num: 201

Candidate Starts for Opia_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (147, 6378), (148, 6381), (Start: 201 @6474 has 161 MA's), (233, 6531), (238, 6543), (Start: 246 @6561 has 1 MA's), (295, 6654), (300, 6663), (339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888), (388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: OrangeOswald_8 Start: 5489, Stop: 4863, Start Num: 153

Candidate Starts for OrangeOswald_8:

(Start: 153 @5489 has 4 MA's), (164, 5471), (Start: 201 @5414 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: Orfeu_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Orfeu_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Orion_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Orion_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Orwigg_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Orwigg_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: PCoral7_74 Start: 46525, Stop: 47115, Start Num: 215

Candidate Starts for PCoral7_74:

(Start: 215 @46525 has 51 MA's), (305, 46702), (321, 46735), (325, 46747), (329, 46759), (332, 46765), (353, 46810), (379, 46891), (417, 47017), (436, 47056),

Gene: PG1_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for PG1_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Pace1224_50 Start: 37494, Stop: 38078, Start Num: 237

Candidate Starts for Pace1224_50:

(Start: 237 @37494 has 69 MA's), (273, 37560), (310, 37668), (320, 37689), (321, 37692), (323, 37695), (329, 37716), (365, 37797), (376, 37830), (384, 37863), (387, 37872), (410, 37947), (417, 37974),

Gene: Pacifista_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Pacifista_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Paito_53 Start: 37596, Stop: 38186, Start Num: 237

Candidate Starts for Paito_53:

(49, 37146), (61, 37230), (129, 37431), (222, 37569), (Start: 237 @37596 has 69 MA's), (300, 37740), (319, 37788), (321, 37794), (357, 37878), (366, 37905), (384, 37968), (387, 37977), (410, 38055), (417, 38082), (450, 38151),

Gene: PallasAthena_7 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for PallasAthena_7:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's),
(323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514),

Gene: Paries_70 Start: 52128, Stop: 52766, Start Num: 197

Candidate Starts for Paries_70:

(Start: 197 @52128 has 49 MA's), (284, 52278), (324, 52368), (342, 52407), (345, 52422), (365,
52470), (368, 52476), (394, 52569), (424, 52650), (453, 52707),

Gene: Peeb_50 Start: 36905, Stop: 37495, Start Num: 237

Candidate Starts for Peeb_50:

(17, 36233), (18, 36236), (61, 36527), (99, 36656), (129, 36728), (202, 36851), (218, 36872), (222,
36878), (Start: 237 @36905 has 69 MA's), (262, 36953), (300, 37049), (308, 37076), (319, 37097),
(321, 37103), (329, 37127), (366, 37214), (376, 37244), (384, 37277), (387, 37286), (399, 37325),
(410, 37364), (417, 37391), (450, 37460),

Gene: PenguinLover67_10 Start: 7104, Stop: 6535, Start Num: 195

Candidate Starts for PenguinLover67_10:

(167, 7155), (190, 7113), (Start: 195 @7104 has 270 MA's), (285, 6942), (Start: 288 @6936 has 4
MA's), (320, 6870), (323, 6864), (343, 6822), (345, 6810), (350, 6798), (368, 6756), (384, 6696), (385,
6693), (412, 6630), (414, 6624), (417, 6615), (449, 6564), (456, 6546),

Gene: Pepe25_60 Start: 41552, Stop: 40989, Start Num: 210

Candidate Starts for Pepe25_60:

(Start: 210 @41552 has 44 MA's), (311, 41360), (364, 41225), (368, 41216), (384, 41156), (385,
41153), (388, 41144), (417, 41075), (454, 41012),

Gene: Periodt_51 Start: 37067, Stop: 37657, Start Num: 237

Candidate Starts for Periodt_51:

(Start: 237 @37067 has 69 MA's), (262, 37115), (300, 37211), (319, 37259), (321, 37265), (329,
37289), (366, 37376), (376, 37406), (384, 37439), (387, 37448), (399, 37487), (410, 37526), (417,
37553), (450, 37622),

Gene: Petra_80 Start: 48158, Stop: 48742, Start Num: 215

Candidate Starts for Petra_80:

(Start: 215 @48158 has 51 MA's), (259, 48224), (267, 48239), (298, 48311), (321, 48365), (323,
48368), (342, 48407), (349, 48428), (361, 48455), (378, 48515), (387, 48554), (390, 48566), (400,
48575), (417, 48635),

Gene: Phabia_53 Start: 41409, Stop: 40831, Start Num: 210

Candidate Starts for Phabia_53:

(88, 41652), (147, 41490), (Start: 210 @41409 has 44 MA's), (271, 41298), (314, 41193), (357, 41088),
(372, 41043), (375, 41037), (384, 40998), (389, 40983), (413, 40929), (454, 40854),

Gene: Phaedrus_7 Start: 5222, Stop: 4752, Start Num: 256

Candidate Starts for Phaedrus_7:

(Start: 155 @5402 has 7 MA's), (Start: 201 @5330 has 161 MA's), (Start: 256 @5222 has 1 MA's),
(272, 5195), (Start: 288 @5156 has 4 MA's), (306, 5123), (311, 5111), (374, 4958), (384, 4916), (394,
4883), (412, 4850), (439, 4799), (454, 4772),

Gene: Phamished_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Phamished_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's),
(Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445,

3399),

Gene: Phantasmagoria_9 Start: 6474, Stop: 7049, Start Num: 201

Candidate Starts for Phantasmagoria_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (147, 6378), (148, 6381), (Start: 201 @6474 has 161 MA's), (233, 6531), (238, 6543), (Start: 246 @6561 has 1 MA's), (295, 6654), (300, 6663), (339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888), (388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: Phareon_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Phareon_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: PhatCats2014_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for PhatCats2014_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: PhatLouie_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for PhatLouie_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Phauci_56 Start: 46468, Stop: 47115, Start Num: 197

Candidate Starts for Phauci_56:

(Start: 197 @46468 has 49 MA's), (269, 46594), (277, 46609), (297, 46666), (301, 46678), (305, 46690), (306, 46696), (320, 46738), (327, 46759), (342, 46789), (366, 46855), (368, 46858), (386, 46924), (388, 46930), (417, 47002), (443, 47044), (453, 47065),

Gene: Phayeta_8 Start: 5289, Stop: 4711, Start Num: 201

Candidate Starts for Phayeta_8:

(Start: 155 @5361 has 7 MA's), (Start: 201 @5289 has 161 MA's), (Start: 256 @5181 has 1 MA's), (272, 5154), (Start: 288 @5115 has 4 MA's), (306, 5082), (311, 5070), (374, 4917), (384, 4875), (394, 4842), (412, 4809), (439, 4758), (454, 4731),

Gene: Phelemich_8 Start: 6492, Stop: 5929, Start Num: 201

Candidate Starts for Phelemich_8:

(Start: 201 @6492 has 161 MA's), (Start: 231 @6441 has 7 MA's), (Start: 288 @6336 has 4 MA's), (323, 6258), (343, 6216), (350, 6192), (362, 6165), (366, 6153), (384, 6090), (388, 6078), (407, 6051), (431, 5988), (456, 5940),

Gene: PhenghisKhan_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for PhenghisKhan_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Pherdinand_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Pherdinand_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Phergie_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Phergie_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's),
(Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Philly_7 Start: 5375, Stop: 4752, Start Num: 155

Candidate Starts for Philly_7:

(Start: 155 @5375 has 7 MA's), (Start: 201 @5303 has 161 MA's), (Start: 256 @5222 has 1 MA's),
(272, 5195), (Start: 288 @5156 has 4 MA's), (306, 5123), (311, 5111), (374, 4958), (384, 4916), (394,
4883), (412, 4850), (439, 4799), (454, 4772),

Gene: PhillyJawn_38 Start: 22565, Stop: 23128, Start Num: 214

Candidate Starts for PhillyJawn_38:

(Start: 214 @22565 has 13 MA's), (222, 22577), (233, 22595), (262, 22658), (287, 22700), (303,
22736), (306, 22739), (326, 22790), (334, 22805), (340, 22817), (351, 22850), (355, 22856), (382,
22946), (384, 22952), (388, 22964), (413, 23018),

Gene: Phinally_64 Start: 49613, Stop: 50260, Start Num: 197

Candidate Starts for Phinally_64:

(Start: 197 @49613 has 49 MA's), (242, 49691), (269, 49739), (277, 49754), (297, 49811), (301,
49823), (306, 49841), (320, 49883), (342, 49934), (366, 50000), (368, 50003), (386, 50069), (388,
50075), (417, 50147), (443, 50189), (453, 50210),

Gene: Phingu_40 Start: 22763, Stop: 23344, Start Num: 214

Candidate Starts for Phingu_40:

(Start: 214 @22763 has 13 MA's), (233, 22793), (287, 22916), (300, 22943), (310, 22964), (326,
23006), (334, 23021), (340, 23033), (356, 23075), (382, 23162), (384, 23168), (388, 23180), (413,
23234),

Gene: Phinky_62 Start: 43645, Stop: 43067, Start Num: 210

Candidate Starts for Phinky_62:

(69, 43999), (73, 43981), (78, 43963), (85, 43945), (166, 43729), (Start: 210 @43645 has 44 MA's),
(221, 43630), (239, 43594), (300, 43486), (325, 43420), (339, 43393), (368, 43321), (385, 43255),
(417, 43177), (454, 43114), (456, 43105),

Gene: Phipps_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Phipps_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's),
(Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: Phish_50 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Phish_50:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222,
36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106),
(321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334),
(410, 37373), (417, 37400), (450, 37469),

Gene: Phleuron_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Phleuron_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's),
(Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Phloodle_49 Start: 36929, Stop: 37519, Start Num: 237

Candidate Starts for Phloodle_49:

(17, 36257), (18, 36260), (61, 36551), (99, 36680), (129, 36752), (202, 36875), (218, 36896), (222, 36902), (Start: 237 @36929 has 69 MA's), (262, 36977), (300, 37073), (308, 37100), (319, 37121), (321, 37127), (329, 37151), (366, 37238), (376, 37268), (384, 37301), (387, 37310), (399, 37349), (410, 37388), (417, 37415), (450, 37484),

Gene: Phlop_61 Start: 47095, Stop: 47694, Start Num: 201

Candidate Starts for Phlop_61:

(Start: 201 @47095 has 161 MA's), (368, 47410), (372, 47425), (384, 47470), (411, 47527), (421, 47560), (427, 47569), (437, 47599), (443, 47611), (459, 47647), (468, 47677),

Gene: Phlyer_8 Start: 6242, Stop: 5625, Start Num: 155

Candidate Starts for Phlyer_8:

(Start: 155 @6242 has 7 MA's), (Start: 201 @6170 has 161 MA's), (Start: 256 @6095 has 1 MA's), (272, 6068), (Start: 288 @6029 has 4 MA's), (306, 5996), (311, 5984), (374, 5831), (384, 5789), (394, 5756), (412, 5723), (439, 5672), (454, 5645),

Gene: Phonegingi_37 Start: 22596, Stop: 23168, Start Num: 214

Candidate Starts for Phonegingi_37:

(125, 22434), (Start: 214 @22596 has 13 MA's), (233, 22626), (287, 22740), (300, 22767), (310, 22788), (326, 22830), (334, 22845), (340, 22857), (356, 22899), (382, 22986), (384, 22992), (388, 23004), (413, 23058),

Gene: PhrankReynolds_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for PhrankReynolds_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Phreak_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Phreak_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: PhrodoBaggins_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for PhrodoBaggins_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: PhrostedPhlake_81 Start: 48308, Stop: 48892, Start Num: 215

Candidate Starts for PhrostedPhlake_81:

(47, 47840), (57, 47915), (80, 48005), (Start: 215 @48308 has 51 MA's), (267, 48389), (298, 48461), (304, 48479), (320, 48512), (321, 48515), (323, 48518), (342, 48557), (349, 48578), (378, 48665), (390, 48716), (400, 48725), (417, 48785),

Gene: Phunky_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Phunky_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: Pickles13_36 Start: 22875, Stop: 23438, Start Num: 214

Candidate Starts for Pickles13_36:

(125, 22707), (Start: 214 @22875 has 13 MA's), (222, 22887), (233, 22905), (262, 22968), (303, 23046), (306, 23049), (311, 23061), (334, 23115), (340, 23127), (351, 23160), (355, 23166), (382, 23256), (384, 23262), (388, 23274), (444, 23388),

Gene: Piglet_006 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Piglet_006:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Pine5_08 Start: 5560, Stop: 4889, Start Num: 179

Candidate Starts for Pine5_08:

(179, 5560), (286, 5353), (292, 5344), (299, 5323), (310, 5290), (322, 5263), (353, 5188), (395, 5059), (425, 4990), (435, 4969), (452, 4927),

Gene: PinheadLarry_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for PinheadLarry_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: PinkCoffee_65 Start: 47101, Stop: 47700, Start Num: 201

Candidate Starts for PinkCoffee_65:

(Start: 201 @47101 has 161 MA's), (368, 47416), (372, 47431), (384, 47476), (411, 47533), (421, 47566), (427, 47575), (437, 47605), (443, 47617), (459, 47653), (468, 47683),

Gene: PinkYoshi_51 Start: 36905, Stop: 37495, Start Num: 237

Candidate Starts for PinkYoshi_51:

(17, 36233), (18, 36236), (61, 36527), (99, 36656), (129, 36728), (202, 36851), (218, 36872), (222, 36878), (Start: 237 @36905 has 69 MA's), (262, 36953), (300, 37049), (308, 37076), (319, 37097), (321, 37103), (329, 37127), (366, 37214), (376, 37244), (384, 37277), (387, 37286), (399, 37325), (410, 37364), (417, 37391), (450, 37460),

Gene: Pinkman_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Pinkman_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Pinnie_50 Start: 38254, Stop: 38841, Start Num: 209

Candidate Starts for Pinnie_50:

(143, 38170), (173, 38215), (Start: 209 @38254 has 2 MA's), (262, 38302), (303, 38407), (320, 38449), (321, 38452), (384, 38626), (385, 38629), (387, 38635), (410, 38710), (417, 38737), (425, 38752),

Gene: Pipefish_8 Start: 6380, Stop: 5730, Start Num: 155

Candidate Starts for Pipefish_8:

(Start: 155 @6380 has 7 MA's), (Start: 201 @6308 has 161 MA's), (Start: 256 @6200 has 1 MA's), (272, 6173), (Start: 288 @6134 has 4 MA's), (306, 6101), (311, 6089), (374, 5936), (384, 5894), (394, 5861), (412, 5828), (439, 5777), (454, 5750),

Gene: Pipp_79 Start: 47870, Stop: 48448, Start Num: 211

Candidate Starts for Pipp_79:

(Start: 211 @47870 has 1 MA's), (212, 47873), (267, 47954), (298, 48026), (304, 48044), (320, 48077), (321, 48080), (323, 48083), (342, 48122), (349, 48143), (378, 48230), (390, 48281), (400, 48290), (417, 48350),

Gene: Pipsqueak_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Pipsqueak_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Placalicious_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Placalicious_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Plagueis_51 Start: 36734, Stop: 37324, Start Num: 237

Candidate Starts for Plagueis_51:

(17, 36062), (18, 36065), (61, 36356), (99, 36485), (129, 36557), (202, 36680), (218, 36701), (222, 36707), (Start: 237 @36734 has 69 MA's), (262, 36782), (300, 36878), (308, 36905), (319, 36926), (321, 36932), (329, 36956), (366, 37043), (376, 37073), (384, 37106), (387, 37115), (399, 37154), (410, 37193), (417, 37220), (450, 37289),

Gene: Plata_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Plata_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Plmatters_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Plmatters_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: Podrick_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Podrick_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Pops_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Pops_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Portcullis_65 Start: 47219, Stop: 47821, Start Num: 201

Candidate Starts for Portcullis_65:

(Start: 201 @47219 has 161 MA's), (335, 47459), (368, 47537), (372, 47552), (384, 47597), (390, 47618), (421, 47687), (423, 47690), (427, 47696), (437, 47726), (443, 47738), (459, 47774), (468, 47804),

Gene: Poster_6 Start: 5152, Stop: 4583, Start Num: 193

Candidate Starts for Poster_6:

(Start: 193 @5152 has 3 MA's), (Start: 201 @5143 has 161 MA's), (Start: 288 @4987 has 4 MA's), (295, 4975), (320, 4918), (339, 4876), (343, 4870), (345, 4858), (362, 4819), (384, 4744), (394, 4711), (412, 4678), (413, 4675), (417, 4663), (419, 4660), (453, 4606),

Gene: Potter_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Potter_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Prickles_6 Start: 3879, Stop: 3370, Start Num: 227

Candidate Starts for Prickles_6:

(Start: 195 @3924 has 270 MA's), (Start: 227 @3879 has 4 MA's), (Start: 288 @3774 has 4 MA's), (323, 3699), (339, 3663), (343, 3657), (385, 3528), (388, 3519), (445, 3408),

Gene: Prince_7 Start: 6243, Stop: 5680, Start Num: 201

Candidate Starts for Prince_7:

(Start: 162 @6303 has 1 MA's), (168, 6297), (184, 6267), (Start: 201 @6243 has 161 MA's), (Start: 288 @6087 has 4 MA's), (295, 6075), (320, 6015), (339, 5973), (343, 5967), (345, 5955), (362, 5916), (366, 5904), (394, 5808), (412, 5775), (413, 5772), (417, 5760), (419, 5757), (443, 5724), (453, 5703),

Gene: PrinceCharming_9 Start: 6591, Stop: 7166, Start Num: 201

Candidate Starts for PrinceCharming_9:

(124, 6456), (Start: 134 @6474 has 3 MA's), (137, 6477), (146, 6489), (147, 6495), (Start: 201 @6591 has 161 MA's), (240, 6663), (253, 6690), (295, 6771), (300, 6780), (339, 6870), (341, 6873), (343, 6876), (357, 6912), (370, 6948), (372, 6957), (384, 7002), (385, 7005), (388, 7014), (414, 7074), (416, 7080), (417, 7083), (443, 7119), (454, 7143), (456, 7152),

Gene: PrincePatrick_76 Start: 45859, Stop: 46449, Start Num: 215

Candidate Starts for PrincePatrick_76:

(Start: 215 @45859 has 51 MA's), (305, 46036), (321, 46069), (325, 46081), (329, 46093), (332, 46099), (353, 46144), (417, 46351), (436, 46390),

Gene: ProfessorX_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for ProfessorX_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Puhltonio_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Puhltonio_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: PullumCavea_62 Start: 47272, Stop: 47871, Start Num: 201

Candidate Starts for PullumCavea_62:

(3, 46330), (4, 46336), (5, 46342), (6, 46348), (7, 46354), (9, 46378), (22, 46501), (96, 47044), (Start: 201 @47272 has 161 MA's), (372, 47602), (384, 47647), (411, 47704), (421, 47737), (427, 47746), (437, 47776), (443, 47788), (468, 47854),

Gene: Pumpkiney_64 Start: 48159, Stop: 48824, Start Num: 199

Candidate Starts for Pumpkiney_64:

(Start: 199 @48159 has 21 MA's), (269, 48285), (277, 48300), (297, 48357), (320, 48429), (327, 48450), (342, 48480), (346, 48498), (388, 48621), (417, 48693), (443, 48735), (449, 48750), (453,

48756), (471, 48813),

Gene: Pupper_178 Start: 130307, Stop: 130879, Start Num: 199

Candidate Starts for Pupper_178:

(36, 129794), (117, 130151), (118, 130154), (Start: 199 @130307 has 21 MA's), (228, 130361), (234, 130364), (285, 130439), (295, 130457), (339, 130547), (368, 130619), (384, 130679), (462, 130844), (464, 130850),

Gene: Quammi_51 Start: 41109, Stop: 40531, Start Num: 210

Candidate Starts for Quammi_51:

(88, 41352), (147, 41190), (Start: 210 @41109 has 44 MA's), (271, 40998), (314, 40893), (357, 40788), (372, 40743), (375, 40737), (384, 40698), (389, 40683), (413, 40629), (454, 40554),

Gene: QueenBeane_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for QueenBeane_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: QueenPie_7 Start: 6040, Stop: 5471, Start Num: 193

Candidate Starts for QueenPie_7:

(Start: 193 @6040 has 3 MA's), (Start: 201 @6031 has 161 MA's), (Start: 288 @5875 has 4 MA's), (295, 5863), (339, 5764), (343, 5758), (345, 5746), (350, 5734), (362, 5707), (384, 5632), (394, 5599), (412, 5566), (413, 5563), (417, 5551), (419, 5548), (453, 5494),

Gene: Quesadilla_9 Start: 6920, Stop: 6357, Start Num: 195

Candidate Starts for Quesadilla_9:

(Start: 195 @6920 has 270 MA's), (Start: 256 @6821 has 1 MA's), (262, 6809), (Start: 288 @6758 has 4 MA's), (320, 6692), (323, 6686), (343, 6644), (345, 6632), (368, 6578), (384, 6518), (385, 6515), (412, 6452), (414, 6446), (453, 6380),

Gene: Quisquiliae_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Quisquiliae_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Qyrzula_9 Start: 6447, Stop: 7139, Start Num: 134

Candidate Starts for Qyrzula_9:

(124, 6429), (Start: 134 @6447 has 3 MA's), (137, 6450), (147, 6468), (148, 6471), (Start: 201 @6564 has 161 MA's), (233, 6621), (238, 6633), (Start: 246 @6651 has 1 MA's), (295, 6744), (300, 6753), (339, 6843), (341, 6846), (343, 6849), (357, 6885), (370, 6921), (372, 6930), (384, 6975), (385, 6978), (388, 6987), (414, 7047), (416, 7053), (417, 7056), (443, 7092), (454, 7116), (456, 7125),

Gene: Rabbs_53 Start: 37053, Stop: 37640, Start Num: 216

Candidate Starts for Rabbs_53:

(24, 36564), (27, 36606), (29, 36642), (129, 36975), (Start: 216 @37053 has 6 MA's), (300, 37197), (319, 37245), (321, 37251), (329, 37275), (366, 37362), (384, 37425), (387, 37434), (410, 37509), (417, 37536),

Gene: RagingRooster_8 Start: 5414, Stop: 4863, Start Num: 201

Candidate Starts for RagingRooster_8:

(Start: 155 @5486 has 7 MA's), (Start: 201 @5414 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: RainyPolka_58 Start: 48033, Stop: 48623, Start Num: 235

Candidate Starts for RainyPolka_58:

(Start: 235 @48033 has 11 MA's), (272, 48084), (280, 48108), (290, 48135), (298, 48159), (305, 48180), (308, 48192), (321, 48222), (332, 48252), (350, 48291), (357, 48306), (361, 48315), (368, 48336), (384, 48396), (402, 48441), (405, 48447), (417, 48495), (432, 48525), (448, 48561),

Gene: Rattrick_51 Start: 37067, Stop: 37657, Start Num: 237

Candidate Starts for Rattrick_51:

(Start: 237 @37067 has 69 MA's), (262, 37115), (300, 37211), (319, 37259), (321, 37265), (329, 37289), (366, 37376), (376, 37406), (384, 37439), (387, 37448), (399, 37487), (410, 37526), (417, 37553), (450, 37622),

Gene: RawrgerThat_7 Start: 6237, Stop: 5677, Start Num: 201

Candidate Starts for RawrgerThat_7:

(Start: 162 @6297 has 1 MA's), (Start: 171 @6288 has 4 MA's), (Start: 193 @6246 has 3 MA's), (Start: 201 @6237 has 161 MA's), (Start: 288 @6081 has 4 MA's), (295, 6069), (320, 6012), (339, 5970), (343, 5964), (345, 5952), (350, 5940), (362, 5913), (394, 5805), (412, 5772), (413, 5769), (417, 5757), (419, 5754), (435, 5727), (443, 5721), (453, 5700),

Gene: Reccee_8 Start: 6215, Stop: 5649, Start Num: 201

Candidate Starts for Reccee_8:

(30, 6851), (32, 6779), (38, 6713), (138, 6329), (Start: 163 @6275 has 10 MA's), (169, 6269), (184, 6239), (Start: 201 @6215 has 161 MA's), (Start: 235 @6158 has 11 MA's), (Start: 288 @6056 has 4 MA's), (323, 5978), (343, 5936), (350, 5912), (362, 5885), (368, 5870), (384, 5810), (385, 5807), (388, 5798), (407, 5771), (435, 5699), (443, 5693),

Gene: RedMaple_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for RedMaple_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: RedRaider89_7 Start: 4150, Stop: 3596, Start Num: 195

Candidate Starts for RedRaider89_7:

(Start: 195 @4150 has 270 MA's), (Start: 216 @4120 has 6 MA's), (Start: 227 @4105 has 4 MA's), (Start: 231 @4096 has 7 MA's), (Start: 288 @4000 has 4 MA's), (323, 3925), (339, 3889), (343, 3883), (385, 3754), (388, 3745), (445, 3634),

Gene: Rem711_70 Start: 43454, Stop: 44074, Start Num: 201

Candidate Starts for Rem711_70:

(Start: 201 @43454 has 161 MA's), (206, 43463), (208, 43466), (230, 43505), (247, 43544), (279, 43610), (283, 43628), (289, 43637), (310, 43679), (373, 43853), (391, 43922), (393, 43931), (418, 43985),

Gene: Remy19_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Remy19_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Renaissance_51 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Renaissance_51:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Renkei_6 Start: 5153, Stop: 4584, Start Num: 193

Candidate Starts for Renkei_6:

(Start: 193 @5153 has 3 MA's), (Start: 201 @5144 has 161 MA's), (Start: 288 @4988 has 4 MA's), (320, 4919), (339, 4877), (343, 4871), (345, 4859), (384, 4745), (394, 4712), (412, 4679), (413, 4676), (417, 4664), (419, 4661), (443, 4628), (453, 4607),

Gene: Reprobate_8 Start: 6489, Stop: 5926, Start Num: 201

Candidate Starts for Reprobate_8:

(Start: 201 @6489 has 161 MA's), (Start: 231 @6438 has 7 MA's), (Start: 288 @6333 has 4 MA's), (323, 6255), (343, 6213), (350, 6189), (362, 6162), (366, 6150), (384, 6087), (388, 6075), (407, 6048), (431, 5985), (456, 5937),

Gene: Rhinoforte_9 Start: 6591, Stop: 7166, Start Num: 201

Candidate Starts for Rhinoforte_9:

(124, 6456), (Start: 134 @6474 has 3 MA's), (137, 6477), (146, 6489), (147, 6495), (Start: 201 @6591 has 161 MA's), (233, 6648), (238, 6660), (Start: 246 @6678 has 1 MA's), (295, 6771), (300, 6780), (339, 6870), (341, 6873), (343, 6876), (357, 6912), (370, 6948), (372, 6957), (384, 7002), (385, 7005), (388, 7014), (413, 7071), (414, 7074), (416, 7080), (417, 7083), (443, 7119), (454, 7143), (456, 7152),

Gene: Ribeye_67 Start: 50020, Stop: 50655, Start Num: 197

Candidate Starts for Ribeye_67:

(Start: 197 @50020 has 49 MA's), (324, 50257), (342, 50296), (345, 50311), (360, 50341), (362, 50350), (365, 50359), (424, 50539), (433, 50557),

Gene: Rich_8 Start: 6218, Stop: 5652, Start Num: 201

Candidate Starts for Rich_8:

(Start: 201 @6218 has 161 MA's), (Start: 235 @6161 has 11 MA's), (Start: 288 @6059 has 4 MA's), (320, 5987), (323, 5981), (325, 5972), (343, 5939), (350, 5915), (366, 5876), (384, 5813), (388, 5801), (407, 5774), (435, 5702), (443, 5696),

Gene: Richarlison_49 Start: 36899, Stop: 37489, Start Num: 237

Candidate Starts for Richarlison_49:

(17, 36227), (18, 36230), (61, 36521), (99, 36650), (129, 36722), (202, 36845), (218, 36866), (222, 36872), (Start: 237 @36899 has 69 MA's), (262, 36947), (300, 37043), (308, 37070), (319, 37091), (321, 37097), (329, 37121), (366, 37208), (376, 37238), (384, 37271), (387, 37280), (399, 37319), (410, 37358), (417, 37385), (450, 37454),

Gene: Ricotta_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Ricotta_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Riggan_6 Start: 3922, Stop: 3368, Start Num: 195

Candidate Starts for Riggan_6:

(Start: 195 @3922 has 270 MA's), (Start: 216 @3892 has 6 MA's), (Start: 227 @3877 has 4 MA's), (Start: 288 @3772 has 4 MA's), (323, 3697), (339, 3661), (343, 3655), (385, 3526), (388, 3517), (445, 3406),

Gene: Rimu_6 Start: 3869, Stop: 3360, Start Num: 227

Candidate Starts for Rimu_6:

(Start: 195 @3914 has 270 MA's), (Start: 227 @3869 has 4 MA's), (Start: 231 @3860 has 7 MA's), (Start: 288 @3764 has 4 MA's), (323, 3689), (339, 3653), (343, 3647), (385, 3518), (388, 3509), (445, 3398),

Gene: Rinkes_11 Start: 8103, Stop: 7489, Start Num: 162

Candidate Starts for Rinkes_11:

(33, 8601), (45, 8505), (46, 8502), (48, 8490), (56, 8439), (75, 8346), (84, 8322), (93, 8274), (94, 8271), (98, 8265), (106, 8235), (126, 8175), (128, 8172), (131, 8163), (142, 8151), (Start: 162 @8103 has 1 MA's), (Start: 193 @8064 has 3 MA's), (Start: 201 @8055 has 161 MA's), (Start: 235 @7998 has 11 MA's), (262, 7950), (269, 7941), (Start: 288 @7899 has 4 MA's), (325, 7809), (343, 7776), (345, 7764), (384, 7650), (390, 7629), (419, 7566), (431, 7548), (443, 7533), (453, 7512), (454, 7509),

Gene: Rita130_8 Start: 6217, Stop: 5651, Start Num: 201

Candidate Starts for Rita130_8:

(Start: 201 @6217 has 161 MA's), (Start: 235 @6160 has 11 MA's), (Start: 288 @6058 has 4 MA's), (323, 5980), (343, 5938), (350, 5914), (362, 5887), (366, 5875), (388, 5800), (407, 5773), (435, 5701), (443, 5695),

Gene: Rita1961_8 Start: 5414, Stop: 4863, Start Num: 201

Candidate Starts for Rita1961_8:

(Start: 155 @5486 has 7 MA's), (Start: 201 @5414 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: RiverRaider_69 Start: 49606, Stop: 50229, Start Num: 197

Candidate Starts for RiverRaider_69:

(Start: 197 @49606 has 49 MA's), (206, 49615), (284, 49756), (321, 49837), (324, 49846), (342, 49885), (345, 49900), (413, 50092),

Gene: Riverton_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Riverton_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: RoadKill_59 Start: 45201, Stop: 45827, Start Num: 199

Candidate Starts for RoadKill_59:

(Start: 199 @45201 has 21 MA's), (277, 45342), (320, 45444), (361, 45543), (388, 45645), (413, 45705), (443, 45759), (449, 45774),

Gene: RobinRose_63 Start: 42533, Stop: 41970, Start Num: 210

Candidate Starts for RobinRose_63:

(Start: 210 @42533 has 44 MA's), (287, 42389), (345, 42251), (385, 42134), (388, 42125), (417, 42056), (454, 41993),

Gene: Robyn_6 Start: 3920, Stop: 3366, Start Num: 195

Candidate Starts for Robyn_6:

(Start: 195 @3920 has 270 MA's), (Start: 227 @3875 has 4 MA's), (Start: 231 @3866 has 7 MA's), (Start: 288 @3770 has 4 MA's), (323, 3695), (339, 3659), (343, 3653), (385, 3524), (388, 3515), (445, 3404),

Gene: Rofo_69 Start: 51570, Stop: 52208, Start Num: 197

Candidate Starts for Rofo_69:

(Start: 197 @51570 has 49 MA's), (284, 51720), (321, 51801), (324, 51810), (342, 51849), (345, 51864), (365, 51912), (394, 52011), (424, 52092), (453, 52149),

Gene: RogerDodger_66 Start: 47394, Stop: 47993, Start Num: 201

Candidate Starts for RogerDodger_66:

(3, 46452), (4, 46458), (5, 46464), (6, 46470), (7, 46476), (9, 46500), (22, 46623), (96, 47166), (Start: 201 @47394 has 161 MA's), (333, 47628), (372, 47724), (384, 47769), (411, 47826), (421, 47859), (427, 47868), (437, 47898), (443, 47910), (459, 47946), (468, 47976),

Gene: Roliet_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Roliet_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: RomaT_8 Start: 6248, Stop: 5625, Start Num: 155

Candidate Starts for RomaT_8:

(Start: 155 @6248 has 7 MA's), (Start: 201 @6176 has 161 MA's), (Start: 256 @6095 has 1 MA's), (272, 6068), (Start: 288 @6029 has 4 MA's), (306, 5996), (311, 5984), (374, 5831), (384, 5789), (394, 5756), (412, 5723), (439, 5672), (454, 5645),

Gene: Romm_63 Start: 42530, Stop: 41967, Start Num: 210

Candidate Starts for Romm_63:

(Start: 210 @42530 has 44 MA's), (287, 42386), (345, 42248), (385, 42131), (388, 42122), (417, 42053), (454, 41990),

Gene: Roscoe_7 Start: 4153, Stop: 3599, Start Num: 195

Candidate Starts for Roscoe_7:

(Start: 195 @4153 has 270 MA's), (Start: 227 @4108 has 4 MA's), (Start: 231 @4099 has 7 MA's), (Start: 288 @4003 has 4 MA's), (323, 3928), (339, 3892), (343, 3886), (385, 3757), (388, 3748),

Gene: Rosebush_9 Start: 6678, Stop: 7166, Start Num: 246

Candidate Starts for Rosebush_9:

(124, 6456), (Start: 134 @6474 has 3 MA's), (137, 6477), (147, 6495), (148, 6498), (Start: 201 @6591 has 161 MA's), (233, 6648), (238, 6660), (Start: 246 @6678 has 1 MA's), (295, 6771), (300, 6780), (339, 6870), (341, 6873), (343, 6876), (357, 6912), (370, 6948), (372, 6957), (384, 7002), (385, 7005), (388, 7014), (414, 7074), (416, 7080), (417, 7083), (443, 7119), (454, 7143), (456, 7152),

Gene: Rowlf_50 Start: 41057, Stop: 40485, Start Num: 210

Candidate Starts for Rowlf_50:

(82, 41321), (156, 41117), (Start: 210 @41057 has 44 MA's), (243, 40991), (312, 40853), (314, 40844), (320, 40826), (364, 40718), (370, 40703), (372, 40694), (384, 40649), (388, 40637), (422, 40562), (440, 40532), (454, 40508),

Gene: Roy17_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Roy17_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: RubyRalph_59 Start: 44213, Stop: 43635, Start Num: 210

Candidate Starts for RubyRalph_59:

(64, 44576), (Start: 210 @44213 has 44 MA's), (255, 44132), (268, 44108), (300, 44036), (314, 44000), (325, 43967), (365, 43871), (368, 43865), (372, 43850), (385, 43799), (454, 43658), (459, 43646),

Gene: Rudy_51 Start: 41145, Stop: 40567, Start Num: 210

Candidate Starts for Rudy_51:

(88, 41388), (147, 41226), (Start: 210 @41145 has 44 MA's), (271, 41034), (314, 40929), (357, 40824), (372, 40779), (375, 40773), (384, 40734), (389, 40719), (413, 40665), (454, 40590),

Gene: Ruriko_49 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Ruriko_49:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: SCentae_177 Start: 130499, Stop: 131071, Start Num: 199

Candidate Starts for SCentae_177:

(36, 129986), (117, 130343), (118, 130346), (Start: 199 @130499 has 21 MA's), (228, 130553), (234, 130556), (285, 130631), (295, 130649), (339, 130739), (368, 130811), (384, 130871), (462, 131036), (464, 131042),

Gene: SDcharge11_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for SDcharge11_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Sabella_9 Start: 6474, Stop: 7049, Start Num: 201

Candidate Starts for Sabella_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (147, 6378), (148, 6381), (Start: 201 @6474 has 161 MA's), (233, 6531), (238, 6543), (Start: 246 @6561 has 1 MA's), (295, 6654), (300, 6663), (339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888), (388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: SadLad_60 Start: 45067, Stop: 44489, Start Num: 210

Candidate Starts for SadLad_60:

(Start: 210 @45067 has 44 MA's), (255, 44986), (300, 44890), (314, 44854), (325, 44821), (365, 44725), (368, 44719), (372, 44704), (385, 44653), (454, 44512), (459, 44500),

Gene: Saguaro_9 Start: 7128, Stop: 6586, Start Num: 195

Candidate Starts for Saguaro_9:

(Start: 195 @7128 has 270 MA's), (Start: 288 @6987 has 4 MA's), (299, 6969), (301, 6963), (316, 6930), (320, 6921), (323, 6915), (343, 6873), (345, 6861), (350, 6849), (384, 6747), (385, 6744), (414, 6675), (416, 6669), (453, 6609),

Gene: Salete_60 Start: 48760, Stop: 49350, Start Num: 235

Candidate Starts for Salete_60:

(165, 48637), (Start: 235 @48760 has 11 MA's), (264, 48799), (272, 48811), (280, 48835), (290, 48862), (298, 48886), (308, 48919), (320, 48946), (321, 48949), (332, 48979), (350, 49018), (357, 49033), (366, 49060), (368, 49063), (392, 49153), (402, 49168), (405, 49174), (417, 49222), (432,

49252), (448, 49288),

Gene: SallyH_7 Start: 3871, Stop: 3362, Start Num: 227

Candidate Starts for SallyH_7:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: SallyK_55 Start: 42264, Stop: 41689, Start Num: 200

Candidate Starts for SallyK_55:

(Start: 200 @42264 has 5 MA's), (243, 42195), (312, 42057), (314, 42048), (320, 42030), (364, 41922), (370, 41907), (372, 41898), (384, 41853), (388, 41841), (422, 41766), (440, 41736), (454, 41712),

Gene: Salvador_62 Start: 46631, Stop: 47230, Start Num: 201

Candidate Starts for Salvador_62:

(Start: 201 @46631 has 161 MA's), (368, 46946), (372, 46961), (384, 47006), (411, 47063), (414, 47078), (421, 47096), (427, 47105), (431, 47114), (437, 47135), (443, 47147), (468, 47213),

Gene: Samaymay_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Samaymay_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Samba_75 Start: 48756, Stop: 49346, Start Num: 215

Candidate Starts for Samba_75:

(59, 48378), (86, 48474), (Start: 215 @48756 has 51 MA's), (325, 48978), (329, 48990), (332, 48996), (353, 49041), (361, 49059), (366, 49077), (368, 49080), (378, 49119), (379, 49122), (417, 49248),

Gene: Sampson_68 Start: 50154, Stop: 50801, Start Num: 199

Candidate Starts for Sampson_68:

(113, 49992), (116, 49998), (122, 50016), (170, 50103), (Start: 199 @50154 has 21 MA's), (242, 50232), (265, 50274), (269, 50280), (301, 50346), (310, 50364), (342, 50448), (345, 50463), (370, 50523), (372, 50532), (388, 50598), (390, 50607), (428, 50685), (443, 50712), (471, 50790),

Gene: Sanjuju_67 Start: 51907, Stop: 52545, Start Num: 197

Candidate Starts for Sanjuju_67:

(89, 51676), (97, 51700), (Start: 136 @51805 has 1 MA's), (Start: 158 @51853 has 1 MA's), (Start: 177 @51874 has 3 MA's), (Start: 197 @51907 has 49 MA's), (284, 52057), (324, 52147), (342, 52186), (345, 52201), (365, 52249), (368, 52255), (394, 52348), (424, 52429), (453, 52486),

Gene: Saronaya_68 Start: 50864, Stop: 51499, Start Num: 197

Candidate Starts for Saronaya_68:

(Start: 197 @50864 has 49 MA's), (324, 51101), (342, 51140), (345, 51155), (360, 51185), (362, 51194), (365, 51203), (394, 51302), (413, 51362), (433, 51401),

Gene: SassyCat97_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for SassyCat97_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Savbucketdawg_62 Start: 46938, Stop: 47537, Start Num: 201

Candidate Starts for Savbucketdawg_62:

(3, 45984), (4, 45990), (5, 45996), (6, 46002), (7, 46008), (9, 46032), (96, 46710), (Start: 201 @46938 has 161 MA's), (333, 47172), (372, 47268), (384, 47313), (411, 47370), (421, 47403), (427, 47412), (437, 47442), (443, 47454), (468, 47520),

Gene: Schadenfreude_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Schadenfreude_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Schiebel_51 Start: 36899, Stop: 37489, Start Num: 237

Candidate Starts for Schiebel_51:

(17, 36227), (18, 36230), (61, 36521), (99, 36650), (129, 36722), (202, 36845), (218, 36866), (222, 36872), (Start: 237 @36899 has 69 MA's), (262, 36947), (300, 37043), (308, 37070), (319, 37091), (321, 37097), (329, 37121), (366, 37208), (376, 37238), (384, 37271), (387, 37280), (399, 37319), (410, 37358), (417, 37385), (450, 37454),

Gene: SchottB_64 Start: 50477, Stop: 51112, Start Num: 201

Candidate Starts for SchottB_64:

(107, 50297), (152, 50399), (Start: 201 @50477 has 161 MA's), (284, 50624), (324, 50714), (342, 50753), (345, 50768), (364, 50813), (368, 50822), (384, 50882), (394, 50915), (433, 51014),

Gene: Schueller_6 Start: 3864, Stop: 3364, Start Num: 231

Candidate Starts for Schueller_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Scioto_66 Start: 50004, Stop: 50651, Start Num: 199

Candidate Starts for Scioto_66:

(113, 49842), (116, 49848), (122, 49866), (170, 49953), (Start: 199 @50004 has 21 MA's), (242, 50082), (265, 50124), (269, 50130), (301, 50196), (310, 50214), (342, 50298), (345, 50313), (370, 50373), (372, 50382), (388, 50448), (390, 50457), (428, 50535), (443, 50562), (471, 50640),

Gene: Scoot17C_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Scoot17C_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Scrick_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Scrick_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514),

Gene: Sedona_67 Start: 52480, Stop: 53118, Start Num: 197

Candidate Starts for Sedona_67:

(89, 52249), (97, 52273), (Start: 136 @52378 has 1 MA's), (Start: 158 @52426 has 1 MA's), (Start: 177 @52447 has 3 MA's), (Start: 197 @52480 has 49 MA's), (284, 52630), (324, 52720), (342, 52759), (345, 52774), (365, 52822), (368, 52828), (394, 52921), (424, 53002), (453, 53059),

Gene: Selr12_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Selr12_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's),
(Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: Serendipitous_8 Start: 6269, Stop: 5706, Start Num: 201

Candidate Starts for Serendipitous_8:

(Start: 201 @6269 has 161 MA's), (Start: 288 @6113 has 4 MA's), (323, 6035), (343, 5993), (350, 5969), (362, 5942), (366, 5930), (384, 5867), (388, 5855), (407, 5828), (435, 5756), (443, 5750),

Gene: Serendipity_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Serendipity_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's),
(Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Serpentine_006 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Serpentine_006:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's),
(323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: ShaboiShabazz_50 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for ShaboiShabazz_50:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887),
(Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112),
(329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373),
(417, 37400), (450, 37469),

Gene: ShadowBud_7 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for ShadowBud_7:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's),
(Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Shatter_6 Start: 4904, Stop: 4362, Start Num: 201

Candidate Starts for Shatter_6:

(39, 5378), (70, 5207), (Start: 201 @4904 has 161 MA's), (Start: 232 @4850 has 1 MA's), (269, 4811),
(320, 4697), (375, 4565), (384, 4526), (388, 4514), (389, 4511), (397, 4487), (412, 4460), (442, 4406),
(454, 4382),

Gene: Sheila_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Sheila_6:

(Start: 195 @3916 has 270 MA's), (Start: 216 @3886 has 6 MA's), (Start: 227 @3871 has 4 MA's),
(Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649),
(385, 3520), (388, 3511), (445, 3400),

Gene: Shenandoah_8 Start: 5414, Stop: 4863, Start Num: 201

Candidate Starts for Shenandoah_8:

(Start: 153 @5489 has 4 MA's), (164, 5471), (Start: 201 @5414 has 161 MA's), (Start: 256 @5333 has 1 MA's),
(272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027),
(394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: Shenyu_8 Start: 6203, Stop: 5640, Start Num: 201

Candidate Starts for Shenyu_8:

(Start: 201 @6203 has 161 MA's), (Start: 235 @6146 has 11 MA's), (Start: 288 @6047 has 4 MA's), (323, 5969), (343, 5927), (350, 5903), (366, 5864), (384, 5801), (385, 5798), (388, 5789), (407, 5762), (435, 5690), (443, 5684), (453, 5663), (456, 5651),

Gene: ShiVal_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for ShiVal_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Shinji_62 Start: 46801, Stop: 47400, Start Num: 201

Candidate Starts for Shinji_62:

(Start: 201 @46801 has 161 MA's), (368, 47116), (372, 47131), (384, 47176), (411, 47233), (421, 47266), (423, 47269), (427, 47275), (437, 47305), (443, 47317), (459, 47353), (468, 47383),

Gene: Shivanishola_68 Start: 50210, Stop: 50848, Start Num: 197

Candidate Starts for Shivanishola_68:

(Start: 197 @50210 has 49 MA's), (284, 50360), (324, 50450), (342, 50489), (345, 50504), (365, 50552), (368, 50558), (384, 50618), (394, 50651), (424, 50732), (453, 50789),

Gene: Sigman_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Sigman_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Sillytadpoles_54 Start: 40982, Stop: 40404, Start Num: 210

Candidate Starts for Sillytadpoles_54:

(88, 41225), (147, 41063), (Start: 210 @40982 has 44 MA's), (271, 40871), (314, 40766), (357, 40661), (372, 40616), (375, 40610), (384, 40571), (389, 40556), (413, 40502), (454, 40427),

Gene: SilverBell_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for SilverBell_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Simielle_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Simielle_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: SirBeauregard_6 Start: 3862, Stop: 3362, Start Num: 231

Candidate Starts for SirBeauregard_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511),

Gene: SirJeffery_8 Start: 6217, Stop: 5651, Start Num: 201

Candidate Starts for SirJeffery_8:

(Start: 201 @6217 has 161 MA's), (Start: 235 @6160 has 11 MA's), (Start: 288 @6058 has 4 MA's), (323, 5980), (343, 5938), (350, 5914), (362, 5887), (366, 5875), (388, 5800), (407, 5773), (435, 5701), (443, 5695),

Gene: Sisko_5 Start: 4711, Stop: 4184, Start Num: 201

Candidate Starts for Sisko_5:

(Start: 201 @4711 has 161 MA's), (260, 4636), (356, 4441), (357, 4438), (364, 4417), (372, 4393), (375, 4387), (384, 4348), (389, 4333), (394, 4315), (413, 4279), (417, 4267), (454, 4204),

Gene: Sitar_68 Start: 52372, Stop: 53043, Start Num: 177

Candidate Starts for Sitar_68:

(89, 52174), (97, 52198), (Start: 136 @52303 has 1 MA's), (Start: 158 @52351 has 1 MA's), (Start: 177 @52372 has 3 MA's), (Start: 197 @52405 has 49 MA's), (284, 52555), (324, 52645), (342, 52684), (345, 52699), (365, 52747), (368, 52753), (394, 52846), (424, 52927), (453, 52984),

Gene: Sizemore_51 Start: 36900, Stop: 37490, Start Num: 237

Candidate Starts for Sizemore_51:

(17, 36228), (18, 36231), (61, 36522), (99, 36651), (129, 36723), (202, 36846), (218, 36867), (222, 36873), (Start: 237 @36900 has 69 MA's), (262, 36948), (300, 37044), (308, 37071), (319, 37092), (321, 37098), (329, 37122), (366, 37209), (376, 37239), (384, 37272), (387, 37281), (399, 37320), (410, 37359), (417, 37386), (450, 37455),

Gene: Skippy_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Skippy_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Skog_10 Start: 6857, Stop: 7429, Start Num: 199

Candidate Starts for Skog_10:

(Start: 199 @6857 has 21 MA's), (257, 6938), (285, 6989), (317, 7049), (339, 7097), (368, 7169), (384, 7229), (385, 7232), (462, 7394),

Gene: Slatt_6 Start: 3920, Stop: 3366, Start Num: 195

Candidate Starts for Slatt_6:

(Start: 195 @3920 has 270 MA's), (Start: 216 @3890 has 6 MA's), (Start: 227 @3875 has 4 MA's), (Start: 288 @3770 has 4 MA's), (323, 3695), (339, 3659), (343, 3653), (385, 3524), (388, 3515), (445, 3404),

Gene: Sleepyhead_61 Start: 40018, Stop: 40581, Start Num: 214

Candidate Starts for Sleepyhead_61:

(34, 39454), (68, 39658), (83, 39706), (160, 39922), (205, 39991), (Start: 214 @40018 has 13 MA's), (258, 40105), (262, 40114), (293, 40168), (311, 40207), (347, 40303), (355, 40318), (357, 40324), (368, 40354), (370, 40360), (372, 40369), (384, 40414), (388, 40426), (424, 40507), (441, 40537),

Gene: SlippinJimmy_8 Start: 6176, Stop: 5625, Start Num: 201

Candidate Starts for SlippinJimmy_8:

(Start: 153 @6251 has 4 MA's), (164, 6233), (Start: 201 @6176 has 161 MA's), (Start: 256 @6095 has 1 MA's), (272, 6068), (Start: 288 @6029 has 4 MA's), (306, 5996), (311, 5984), (374, 5831), (384, 5789), (394, 5756), (412, 5723), (439, 5672), (454, 5645),

Gene: SlySloth_56 Start: 41701, Stop: 41129, Start Num: 210

Candidate Starts for SlySloth_56:

(92, 41926), (156, 41761), (Start: 210 @41701 has 44 MA's), (243, 41635), (312, 41497), (314, 41488), (320, 41470), (364, 41362), (370, 41347), (372, 41338), (384, 41293), (388, 41281), (422, 41206), (440, 41176), (454, 41152),

Gene: SmokingBunny_63 Start: 47232, Stop: 47831, Start Num: 201

Candidate Starts for SmokingBunny_63:

(12, 46362), (13, 46368), (14, 46374), (15, 46380), (16, 46386), (96, 47004), (Start: 201 @47232 has 161 MA's), (333, 47466), (372, 47562), (384, 47607), (411, 47664), (421, 47697), (427, 47706), (437, 47736), (443, 47748), (459, 47784), (468, 47814),

Gene: Sneeze_52 Start: 37052, Stop: 37639, Start Num: 216

Candidate Starts for Sneeze_52:

(24, 36563), (27, 36605), (29, 36641), (129, 36974), (Start: 216 @37052 has 6 MA's), (300, 37196), (319, 37244), (321, 37250), (329, 37274), (366, 37361), (384, 37424), (387, 37433), (410, 37508), (417, 37535),

Gene: Soile_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Soile_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Solosis_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Solosis_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Sophia_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Sophia_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Soto_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Soto_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Sour_9 Start: 6563, Stop: 6030, Start Num: 201

Candidate Starts for Sour_9:

(Start: 201 @6563 has 161 MA's), (320, 6371), (321, 6368), (372, 6242), (375, 6236), (383, 6200), (384, 6197), (388, 6185), (412, 6131), (413, 6128),

Gene: Spartan300_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Spartan300_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Squash_56 Start: 41774, Stop: 41202, Start Num: 210

Candidate Starts for Squash_56:

(66, 42089), (101, 41972), (156, 41834), (Start: 210 @41774 has 44 MA's), (243, 41708), (312, 41570), (314, 41561), (320, 41543), (364, 41435), (370, 41420), (372, 41411), (384, 41366), (388, 41354), (422, 41279), (440, 41249), (454, 41225),

Gene: Squid_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Squid_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Squiggle_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Squiggle_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: StAugustine_12 Start: 8920, Stop: 8363, Start Num: 188

Candidate Starts for StAugustine_12:

(Start: 188 @8920 has 2 MA's), (Start: 227 @8866 has 4 MA's), (Start: 235 @8851 has 11 MA's), (Start: 288 @8764 has 4 MA's), (306, 8731), (325, 8686), (333, 8671), (374, 8569), (384, 8527), (453, 8386), (454, 8383),

Gene: Stargaze_52 Start: 38445, Stop: 39032, Start Num: 237

Candidate Starts for Stargaze_52:

(110, 38190), (225, 38406), (Start: 237 @38445 has 69 MA's), (262, 38493), (303, 38598), (320, 38640), (321, 38643), (365, 38751), (384, 38817), (385, 38820), (387, 38826), (410, 38901), (417, 38928),

Gene: Statler_55 Start: 41776, Stop: 41204, Start Num: 210

Candidate Starts for Statler_55:

(92, 42001), (156, 41836), (Start: 210 @41776 has 44 MA's), (243, 41710), (312, 41572), (314, 41563), (320, 41545), (364, 41437), (370, 41422), (372, 41413), (384, 41368), (388, 41356), (422, 41281), (440, 41251), (454, 41227),

Gene: Stinger_5 Start: 4681, Stop: 4121, Start Num: 201

Candidate Starts for Stinger_5:

(Start: 201 @4681 has 161 MA's), (Start: 288 @4525 has 4 MA's), (295, 4513), (306, 4492), (320, 4456), (339, 4414), (343, 4408), (362, 4357), (364, 4351), (384, 4282), (412, 4216), (413, 4213), (417, 4201), (419, 4198), (453, 4144),

Gene: StinkyVeggy_8 Start: 6203, Stop: 5637, Start Num: 201

Candidate Starts for StinkyVeggy_8:

(30, 6839), (32, 6767), (38, 6701), (138, 6317), (Start: 163 @6263 has 10 MA's), (169, 6257), (184, 6227), (Start: 201 @6203 has 161 MA's), (Start: 288 @6044 has 4 MA's), (323, 5966), (343, 5924), (350, 5900), (362, 5873), (384, 5798), (385, 5795), (435, 5687), (443, 5681), (453, 5660), (456, 5648),

Gene: StorminNorm_67 Start: 50648, Stop: 51283, Start Num: 197

Candidate Starts for StorminNorm_67:

(Start: 197 @50648 has 49 MA's), (324, 50885), (342, 50924), (345, 50939), (360, 50969), (362, 50978), (365, 50987), (394, 51086), (413, 51146), (433, 51185),

Gene: StrawberryJamm_57 Start: 41442, Stop: 40867, Start Num: 200

Candidate Starts for StrawberryJamm_57:

(Start: 200 @41442 has 5 MA's), (243, 41373), (312, 41235), (314, 41226), (320, 41208), (364, 41100), (370, 41085), (372, 41076), (384, 41031), (388, 41019), (422, 40944), (440, 40914), (454, 40890),

Gene: Struggle_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Struggle_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Stultus_64 Start: 50652, Stop: 51290, Start Num: 197

Candidate Starts for Stultus_64:

(89, 50421), (97, 50445), (Start: 136 @50550 has 1 MA's), (Start: 158 @50598 has 1 MA's), (Start: 177 @50619 has 3 MA's), (Start: 197 @50652 has 49 MA's), (251, 50736), (284, 50802), (324, 50892), (342, 50931), (345, 50946), (365, 50994), (368, 51000), (394, 51093), (424, 51174), (453, 51231),

Gene: Suffolk_6 Start: 3917, Stop: 3363, Start Num: 195

Candidate Starts for Suffolk_6:

(Start: 195 @3917 has 270 MA's), (Start: 216 @3887 has 6 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Suigeneris_8 Start: 6217, Stop: 5651, Start Num: 201

Candidate Starts for Suigeneris_8:

(Start: 201 @6217 has 161 MA's), (Start: 235 @6160 has 11 MA's), (Start: 288 @6058 has 4 MA's), (323, 5980), (343, 5938), (350, 5914), (362, 5887), (366, 5875), (388, 5800), (407, 5773), (435, 5701), (443, 5695),

Gene: Sunfish_68 Start: 44153, Stop: 43554, Start Num: 226

Candidate Starts for Sunfish_68:

(Start: 226 @44153 has 1 MA's), (274, 44057), (283, 44021), (306, 43964), (310, 43955), (314, 43940), (332, 43898), (354, 43844), (358, 43835), (367, 43808), (384, 43748), (387, 43739), (392, 43718), (410, 43685), (413, 43670), (425, 43643), (435, 43631),

Gene: Surely_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Surely_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: SwainyDoc_8 Start: 5411, Stop: 4860, Start Num: 201

Candidate Starts for SwainyDoc_8:

(Start: 155 @5483 has 7 MA's), (Start: 201 @5411 has 161 MA's), (Start: 256 @5330 has 1 MA's), (272, 5303), (Start: 288 @5264 has 4 MA's), (306, 5231), (311, 5219), (374, 5066), (384, 5024), (394, 4991), (412, 4958), (439, 4907), (454, 4880),

Gene: Sweets_50 Start: 36909, Stop: 37499, Start Num: 237

Candidate Starts for Sweets_50:

(17, 36237), (18, 36240), (61, 36531), (99, 36660), (129, 36732), (202, 36855), (218, 36876), (222, 36882), (Start: 237 @36909 has 69 MA's), (262, 36957), (300, 37053), (308, 37080), (319, 37101), (321, 37107), (329, 37131), (366, 37218), (376, 37248), (384, 37281), (387, 37290), (399, 37329), (410, 37368), (417, 37395), (450, 37464),

Gene: Swiphy_6 Start: 3864, Stop: 3364, Start Num: 231

Candidate Starts for Swiphy_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Swish_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Swish_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: SynergyX_8 Start: 5414, Stop: 4863, Start Num: 201

Candidate Starts for SynergyX_8:

(Start: 155 @5486 has 7 MA's), (Start: 201 @5414 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: TA17A_9 Start: 6357, Stop: 7049, Start Num: 134

Candidate Starts for TA17A_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (147, 6378), (148, 6381), (Start: 201 @6474 has 161 MA's), (233, 6531), (238, 6543), (Start: 246 @6561 has 1 MA's), (295, 6654), (300, 6663), (339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888), (388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: TP1604_60 Start: 48765, Stop: 49355, Start Num: 235

Candidate Starts for TP1604_60:

(Start: 235 @48765 has 11 MA's), (272, 48816), (280, 48840), (290, 48867), (298, 48891), (308, 48924), (320, 48951), (321, 48954), (332, 48984), (350, 49023), (357, 49038), (366, 49065), (368, 49068), (392, 49158), (402, 49173), (405, 49179), (417, 49227), (432, 49257), (448, 49293),

Gene: TPA2_15 Start: 7500, Stop: 6925, Start Num: 180

Candidate Starts for TPA2_15:

(Start: 180 @7500 has 1 MA's), (189, 7488), (Start: 213 @7449 has 3 MA's), (220, 7440), (234, 7422), (275, 7380), (311, 7302), (319, 7287), (321, 7281), (323, 7278), (385, 7107), (409, 7056), (412, 7044), (454, 6972), (466, 6948), (467, 6936),

Gene: Taheera_49 Start: 36701, Stop: 37288, Start Num: 216

Candidate Starts for Taheera_49:

(Start: 216 @36701 has 6 MA's), (300, 36845), (319, 36893), (321, 36899), (329, 36923), (366, 37010), (384, 37073), (387, 37082), (410, 37157), (417, 37184),

Gene: TallGrassMM_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for TallGrassMM_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Tangent_71 Start: 51275, Stop: 51913, Start Num: 197

Candidate Starts for Tangent_71:

(Start: 197 @51275 has 49 MA's), (284, 51425), (321, 51506), (324, 51515), (342, 51554), (345, 51569), (365, 51617), (394, 51716), (424, 51797), (453, 51854),

Gene: Tangerine_67 Start: 50157, Stop: 50792, Start Num: 197

Candidate Starts for Tangerine_67:

(Start: 197 @50157 has 49 MA's), (324, 50394), (342, 50433), (345, 50448), (360, 50478), (362, 50487), (365, 50496), (394, 50595), (433, 50694),

Gene: Tardus_66 Start: 50008, Stop: 50655, Start Num: 199

Candidate Starts for Tardus_66:

(Start: 199 @50008 has 21 MA's), (242, 50086), (265, 50128), (269, 50134), (301, 50200), (342, 50302), (345, 50317), (351, 50332), (370, 50377), (372, 50386), (388, 50452), (390, 50461), (428,

50539), (471, 50644),

Gene: Teehee_54 Start: 42215, Stop: 41637, Start Num: 210

Candidate Starts for Teehee_54:

(88, 42458), (147, 42296), (Start: 210 @42215 has 44 MA's), (271, 42104), (314, 41999), (357, 41894), (372, 41849), (375, 41843), (384, 41804), (389, 41789), (413, 41735), (454, 41660),

Gene: Telesworld_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Telesworld_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Tempo_61 Start: 42398, Stop: 41835, Start Num: 210

Candidate Starts for Tempo_61:

(Start: 210 @42398 has 44 MA's), (287, 42254), (385, 41999), (388, 41990), (417, 41921), (454, 41858),

Gene: Terror_49 Start: 36701, Stop: 37288, Start Num: 216

Candidate Starts for Terror_49:

(Start: 216 @36701 has 6 MA's), (300, 36845), (319, 36893), (321, 36899), (329, 36923), (366, 37010), (384, 37073), (387, 37082), (410, 37157), (417, 37184),

Gene: Thing3_67 Start: 51068, Stop: 51706, Start Num: 197

Candidate Starts for Thing3_67:

(Start: 197 @51068 has 49 MA's), (284, 51218), (321, 51299), (324, 51308), (342, 51347), (345, 51362), (365, 51410), (394, 51509), (424, 51590), (453, 51647),

Gene: Thonko_3 Start: 2519, Stop: 1968, Start Num: 195

Candidate Starts for Thonko_3:

(Start: 195 @2519 has 270 MA's), (Start: 288 @2369 has 4 MA's), (344, 2252), (384, 2129), (385, 2126), (453, 1991),

Gene: Thora_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Thora_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: ThreeOh3D2_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for ThreeOh3D2_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Thunderbird_6 Start: 3863, Stop: 3363, Start Num: 231

Candidate Starts for Thunderbird_6:

(Start: 195 @3917 has 270 MA's), (Start: 227 @3872 has 4 MA's), (Start: 231 @3863 has 7 MA's), (Start: 288 @3767 has 4 MA's), (323, 3692), (339, 3656), (343, 3650), (385, 3521), (388, 3512), (445, 3401),

Gene: Tiamoceli_62 Start: 46644, Stop: 47270, Start Num: 199

Candidate Starts for Tiamoceli_62:

(Start: 199 @46644 has 21 MA's), (Start: 231 @46701 has 7 MA's), (277, 46785), (311, 46857), (320, 46887), (361, 46986), (388, 47088), (413, 47148), (443, 47202), (449, 47217),

Gene: TillyBobJoe_63 Start: 47091, Stop: 47690, Start Num: 201

Candidate Starts for TillyBobJoe_63:

(3, 46149), (4, 46155), (5, 46161), (6, 46167), (7, 46173), (9, 46197), (22, 46320), (44, 46635), (96, 46863), (Start: 201 @47091 has 161 MA's), (368, 47406), (372, 47421), (384, 47466), (411, 47523), (421, 47556), (427, 47565), (437, 47595), (443, 47607), (459, 47643), (468, 47673),

Gene: Timmi_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Timmi_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: TinaBug_51 Start: 36909, Stop: 37499, Start Num: 237

Candidate Starts for TinaBug_51:

(17, 36237), (18, 36240), (61, 36531), (99, 36660), (129, 36732), (202, 36855), (218, 36876), (222, 36882), (Start: 237 @36909 has 69 MA's), (262, 36957), (300, 37053), (308, 37080), (319, 37101), (321, 37107), (329, 37131), (366, 37218), (376, 37248), (384, 37281), (387, 37290), (399, 37329), (410, 37368), (417, 37395), (450, 37464),

Gene: Tinciduntolum_10 Start: 6590, Stop: 7165, Start Num: 201

Candidate Starts for Tinciduntolum_10:

(124, 6455), (Start: 134 @6473 has 3 MA's), (147, 6494), (148, 6497), (Start: 201 @6590 has 161 MA's), (233, 6647), (238, 6659), (Start: 246 @6677 has 1 MA's), (295, 6770), (300, 6779), (339, 6869), (341, 6872), (343, 6875), (357, 6911), (370, 6947), (372, 6956), (384, 7001), (385, 7004), (388, 7013), (414, 7073), (416, 7079), (417, 7082), (443, 7118), (454, 7142), (456, 7151),

Gene: TinyTerror_8 Start: 5417, Stop: 4866, Start Num: 201

Candidate Starts for TinyTerror_8:

(Start: 153 @5492 has 4 MA's), (164, 5474), (Start: 201 @5417 has 161 MA's), (Start: 256 @5336 has 1 MA's), (272, 5309), (Start: 288 @5270 has 4 MA's), (306, 5237), (311, 5225), (374, 5072), (384, 5030), (394, 4997), (412, 4964), (439, 4913), (454, 4886),

Gene: Tissue_55 Start: 41854, Stop: 41282, Start Num: 210

Candidate Starts for Tissue_55:

(150, 41941), (Start: 210 @41854 has 44 MA's), (243, 41788), (312, 41650), (314, 41641), (320, 41623), (364, 41515), (370, 41500), (372, 41491), (384, 41446), (388, 41434), (422, 41359), (440, 41329), (454, 41305),

Gene: Toast_74 Start: 46525, Stop: 47115, Start Num: 215

Candidate Starts for Toast_74:

(Start: 215 @46525 has 51 MA's), (305, 46702), (321, 46735), (325, 46747), (329, 46759), (332, 46765), (353, 46810), (379, 46891), (417, 47017), (436, 47056),

Gene: Togo_62 Start: 47232, Stop: 47831, Start Num: 201

Candidate Starts for Togo_62:

(12, 46362), (13, 46368), (14, 46374), (15, 46380), (16, 46386), (96, 47004), (Start: 201 @47232 has 161 MA's), (333, 47466), (372, 47562), (384, 47607), (411, 47664), (421, 47697), (427, 47706), (437, 47736), (443, 47748), (459, 47784), (468, 47814),

Gene: TomBombadil_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for TomBombadil_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: TomBrady_51 Start: 36915, Stop: 37505, Start Num: 237

Candidate Starts for TomBrady_51:

(17, 36243), (18, 36246), (61, 36537), (99, 36666), (129, 36738), (202, 36861), (218, 36882), (222, 36888), (Start: 237 @36915 has 69 MA's), (262, 36963), (300, 37059), (308, 37086), (319, 37107), (321, 37113), (329, 37137), (366, 37224), (376, 37254), (384, 37287), (387, 37296), (399, 37335), (410, 37374), (417, 37401), (450, 37470),

Gene: Tomlarah_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Tomlarah_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513),

Gene: Toni_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Toni_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 231 @3865 has 7 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: TooFast2Furius_8 Start: 4153, Stop: 3599, Start Num: 195

Candidate Starts for TooFast2Furius_8:

(Start: 195 @4153 has 270 MA's), (Start: 227 @4108 has 4 MA's), (Start: 231 @4099 has 7 MA's), (Start: 288 @4003 has 4 MA's), (323, 3928), (339, 3892), (343, 3886), (385, 3757), (388, 3748), (445, 3637),

Gene: Tooj_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Tooj_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: TraderJ_8 Start: 6369, Stop: 5818, Start Num: 201

Candidate Starts for TraderJ_8:

(154, 6429), (Start: 163 @6414 has 10 MA's), (169, 6408), (Start: 201 @6369 has 161 MA's), (Start: 227 @6324 has 4 MA's), (229, 6318), (Start: 288 @6231 has 4 MA's), (299, 6213), (310, 6189), (320, 6162), (321, 6159), (323, 6156), (364, 6057), (388, 5976), (417, 5904), (431, 5883), (456, 5829),

Gene: Tres_9 Start: 6474, Stop: 7049, Start Num: 201

Candidate Starts for Tres_9:

(124, 6339), (Start: 134 @6357 has 3 MA's), (137, 6360), (146, 6372), (147, 6378), (Start: 201 @6474 has 161 MA's), (240, 6546), (253, 6573), (295, 6654), (300, 6663), (339, 6753), (341, 6756), (343, 6759), (357, 6795), (370, 6831), (372, 6840), (384, 6885), (385, 6888), (388, 6897), (414, 6957), (416, 6963), (417, 6966), (443, 7002), (454, 7026), (456, 7035),

Gene: Triad_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Triad_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: True_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for True_6:

(Start: 195 @3916 has 270 MA's), (Start: 216 @3886 has 6 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Trypo_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Trypo_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's),
(Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Twister6_65 Start: 46992, Stop: 47591, Start Num: 201

Candidate Starts for Twister6_65:

(8, 46068), (10, 46077), (20, 46158), (96, 46764), (Start: 201 @46992 has 161 MA's), (333, 47226),
(372, 47322), (384, 47367), (411, 47424), (421, 47457), (427, 47466), (437, 47496), (443, 47508),
(459, 47544), (468, 47574),

Gene: Twonlo_60 Start: 45734, Stop: 46360, Start Num: 199

Candidate Starts for Twonlo_60:

(Start: 199 @45734 has 21 MA's), (Start: 231 @45791 has 7 MA's), (277, 45875), (311, 45947), (320,
45977), (361, 46076), (388, 46178), (413, 46238), (443, 46292), (449, 46307),

Gene: Tycho_65 Start: 49973, Stop: 50608, Start Num: 197

Candidate Starts for Tycho_65:

(Start: 197 @49973 has 49 MA's), (324, 50210), (342, 50249), (345, 50264), (360, 50294), (362,
50303), (365, 50312), (413, 50471), (433, 50510),

Gene: Tydolla_8 Start: 6251, Stop: 5625, Start Num: 153

Candidate Starts for Tydolla_8:

(Start: 153 @6251 has 4 MA's), (164, 6233), (Start: 201 @6176 has 161 MA's), (Start: 216 @6146 has
6 MA's), (Start: 256 @6095 has 1 MA's), (272, 6068), (Start: 288 @6029 has 4 MA's), (306, 5996),
(311, 5984), (374, 5831), (384, 5789), (394, 5756), (412, 5723), (439, 5672), (454, 5645),

Gene: Typha_83 Start: 54897, Stop: 55466, Start Num: 237

Candidate Starts for Typha_83:

(Start: 171 @54768 has 4 MA's), (173, 54771), (191, 54807), (Start: 237 @54897 has 69 MA's), (273,
54963), (304, 55053), (305, 55056), (320, 55086), (321, 55089), (345, 55146), (357, 55170), (362,
55185), (365, 55194), (366, 55197), (368, 55200), (371, 55212), (387, 55260), (401, 55281), (420,
55347), (431, 55368), (445, 55401), (455, 55422), (461, 55434),

Gene: TyrionL_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for TyrionL_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's),
(Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: UAch1_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for UAch1_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's),
(323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Ubuntu_74 Start: 48245, Stop: 48856, Start Num: 215

Candidate Starts for Ubuntu_74:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start:
215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334,
48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412,
48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: UmaThurman_76 Start: 46447, Stop: 47037, Start Num: 215

Candidate Starts for UmaThurman_76:

(Start: 215 @46447 has 51 MA's), (325, 46669), (329, 46681), (332, 46687), (353, 46732), (361, 46750), (366, 46768), (368, 46771), (378, 46810), (379, 46813), (417, 46939), (451, 47011),

Gene: UncleHowie_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for UncleHowie_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Usavi_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Usavi_6:

(Start: 195 @3915 has 270 MA's), (Start: 216 @3885 has 6 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Utz_66 Start: 46364, Stop: 46954, Start Num: 215

Candidate Starts for Utz_66:

(Start: 215 @46364 has 51 MA's), (325, 46586), (329, 46598), (332, 46604), (353, 46649), (361, 46667), (368, 46688), (379, 46730), (417, 46856), (451, 46928),

Gene: Vaishali24_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Vaishali24_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Valary_64 Start: 47836, Stop: 48438, Start Num: 201

Candidate Starts for Valary_64:

(Start: 201 @47836 has 161 MA's), (335, 48076), (368, 48154), (372, 48169), (384, 48214), (390, 48235), (421, 48304), (423, 48307), (427, 48313), (437, 48343), (443, 48355), (468, 48421),

Gene: ValentiniPuff_108 Start: 60343, Stop: 60918, Start Num: 244

Candidate Starts for ValentiniPuff_108:

(Start: 244 @60343 has 1 MA's), (272, 60385), (287, 60430), (301, 60463), (304, 60472), (311, 60493), (323, 60520), (372, 60643), (376, 60655), (384, 60688), (385, 60691), (388, 60700), (404, 60721), (417, 60772), (430, 60796), (436, 60811),

Gene: Valjean_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Valjean_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: VanDeWege_65 Start: 47176, Stop: 47778, Start Num: 201

Candidate Starts for VanDeWege_65:

(Start: 201 @47176 has 161 MA's), (335, 47416), (368, 47494), (372, 47509), (384, 47554), (390, 47575), (421, 47644), (423, 47647), (427, 47653), (437, 47683), (443, 47695), (468, 47761),

Gene: Vaticameos_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Vaticameos_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: Veritas_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Veritas_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Verity_65 Start: 50949, Stop: 51596, Start Num: 199

Candidate Starts for Verity_65:

(113, 50787), (116, 50793), (122, 50811), (170, 50898), (Start: 199 @50949 has 21 MA's), (242, 51027), (265, 51069), (269, 51075), (277, 51090), (301, 51141), (320, 51192), (345, 51258), (388, 51393), (390, 51402), (428, 51480), (443, 51507), (471, 51585),

Gene: ViaConlectus_65 Start: 48514, Stop: 49161, Start Num: 198

Candidate Starts for ViaConlectus_65:

(Start: 198 @48514 has 2 MA's), (242, 48592), (265, 48634), (269, 48640), (301, 48706), (342, 48808), (345, 48823), (370, 48883), (372, 48892), (388, 48958), (390, 48967), (428, 49045), (443, 49072), (471, 49150),

Gene: Vic9_00009 Start: 6917, Stop: 7492, Start Num: 201

Candidate Starts for Vic9_00009:

(124, 6782), (Start: 134 @6800 has 3 MA's), (137, 6803), (146, 6815), (147, 6821), (Start: 201 @6917 has 161 MA's), (240, 6989), (253, 7016), (295, 7097), (300, 7106), (339, 7196), (341, 7199), (343, 7202), (357, 7238), (370, 7274), (372, 7283), (384, 7328), (385, 7331), (388, 7340), (413, 7397), (414, 7400), (416, 7406), (417, 7409), (443, 7445), (454, 7469), (456, 7478),

Gene: Viceroy_52 Start: 41115, Stop: 40537, Start Num: 210

Candidate Starts for Viceroy_52:

(88, 41358), (147, 41196), (Start: 210 @41115 has 44 MA's), (271, 41004), (314, 40899), (357, 40794), (372, 40749), (375, 40743), (384, 40704), (389, 40689), (413, 40635), (454, 40560),

Gene: Vincenzo_8 Start: 6947, Stop: 6363, Start Num: 201

Candidate Starts for Vincenzo_8:

(Start: 201 @6947 has 161 MA's), (Start: 252 @6842 has 1 MA's), (Start: 288 @6773 has 4 MA's), (323, 6695), (343, 6653), (345, 6641), (350, 6629), (362, 6602), (368, 6587), (384, 6527), (394, 6494), (414, 6452), (429, 6428),

Gene: VioletZ_7 Start: 6243, Stop: 5680, Start Num: 201

Candidate Starts for VioletZ_7:

(Start: 162 @6303 has 1 MA's), (Start: 171 @6294 has 4 MA's), (Start: 193 @6252 has 3 MA's), (Start: 201 @6243 has 161 MA's), (Start: 288 @6087 has 4 MA's), (295, 6075), (320, 6015), (339, 5973), (343, 5967), (345, 5955), (366, 5904), (412, 5775), (413, 5772), (417, 5760), (419, 5757), (443, 5724), (453, 5703),

Gene: Violeta_39 Start: 22660, Stop: 23223, Start Num: 214

Candidate Starts for Violeta_39:

(Start: 214 @22660 has 13 MA's), (222, 22672), (233, 22690), (262, 22753), (287, 22795), (303, 22831), (306, 22834), (326, 22885), (334, 22900), (340, 22912), (351, 22945), (355, 22951), (382, 23041), (384, 23047), (388, 23059), (413, 23113),

Gene: Virapocalypse_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Virapocalypse_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Virgeve_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Virgeve_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Vista_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Vista_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 231 @3864 has 7 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Vivaldi_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Vivaldi_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: Vivi2_73 Start: 52330, Stop: 52968, Start Num: 197

Candidate Starts for Vivi2_73:

(Start: 197 @52330 has 49 MA's), (284, 52480), (324, 52570), (342, 52609), (345, 52624), (365, 52672), (368, 52678), (394, 52771), (424, 52852), (453, 52909),

Gene: Vortex_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Vortex_6:

(Start: 195 @3919 has 270 MA's), (Start: 216 @3889 has 6 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's), (323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Waleliano_7 Start: 6243, Stop: 5680, Start Num: 201

Candidate Starts for Waleliano_7:

(Start: 162 @6303 has 1 MA's), (Start: 171 @6294 has 4 MA's), (Start: 193 @6252 has 3 MA's), (Start: 201 @6243 has 161 MA's), (Start: 288 @6087 has 4 MA's), (295, 6075), (320, 6015), (339, 5973), (343, 5967), (345, 5955), (356, 5934), (366, 5904), (394, 5808), (412, 5775), (413, 5772), (417, 5760), (419, 5757), (443, 5724), (453, 5703),

Gene: Wallhey_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Wallhey_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Walrus_73 Start: 47019, Stop: 47603, Start Num: 215

Candidate Starts for Walrus_73:

(206, 47004), (Start: 215 @47019 has 51 MA's), (259, 47085), (267, 47100), (298, 47172), (320, 47223), (321, 47226), (323, 47229), (342, 47268), (349, 47289), (378, 47376), (390, 47427), (400, 47436), (417, 47496),

Gene: Warren_37 Start: 22612, Stop: 23184, Start Num: 214

Candidate Starts for Warren_37:

(Start: 214 @22612 has 13 MA's), (233, 22642), (287, 22756), (300, 22783), (310, 22804), (326, 22846), (334, 22861), (340, 22873), (356, 22915), (382, 23002), (384, 23008), (388, 23020), (413, 23074),

Gene: Waterdiva_6 Start: 3919, Stop: 3365, Start Num: 195

Candidate Starts for Waterdiva_6:

(Start: 195 @3919 has 270 MA's), (Start: 227 @3874 has 4 MA's), (Start: 288 @3769 has 4 MA's),
(323, 3694), (339, 3658), (343, 3652), (385, 3523), (388, 3514), (445, 3403),

Gene: Wayne3_55 Start: 41978, Stop: 41400, Start Num: 210

Candidate Starts for Wayne3_55:

(88, 42221), (147, 42059), (Start: 210 @41978 has 44 MA's), (271, 41867), (314, 41762), (357, 41657),
(372, 41612), (375, 41606), (384, 41567), (389, 41552), (413, 41498), (454, 41423),

Gene: Webster2_74 Start: 48245, Stop: 48856, Start Num: 215

Candidate Starts for Webster2_74:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start:
215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334,
48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412,
48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: Weher20_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for Weher20_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 288 @3765 has 4 MA's),
(323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510),

Gene: Weirido19_69 Start: 44467, Stop: 45291, Start Num: 119

Candidate Starts for Weirido19_69:

(62, 44290), (119, 44467), (190, 44593), (224, 44650), (276, 44746), (298, 44812), (305, 44833), (321,
44884), (334, 44917), (351, 44956), (366, 44995), (381, 45046), (398, 45130), (408, 45154), (417,
45193), (420, 45199), (458, 45280),

Gene: Wendigo_49 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Wendigo_49:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222,
36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106),
(321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334),
(410, 37373), (417, 37400), (450, 37469),

Gene: West99_9 Start: 6591, Stop: 7166, Start Num: 201

Candidate Starts for West99_9:

(124, 6456), (Start: 134 @6474 has 3 MA's), (147, 6495), (148, 6498), (Start: 201 @6591 has 161
MA's), (233, 6648), (238, 6660), (Start: 246 @6678 has 1 MA's), (295, 6771), (300, 6780), (339, 6870),
(341, 6873), (343, 6876), (357, 6912), (370, 6948), (372, 6957), (384, 7002), (385, 7005), (388, 7014),
(414, 7074), (416, 7080), (417, 7083), (443, 7119), (454, 7143), (456, 7152),

Gene: Whack_67 Start: 43772, Stop: 44335, Start Num: 214

Candidate Starts for Whack_67:

(160, 43679), (175, 43697), (Start: 200 @43742 has 5 MA's), (205, 43751), (Start: 214 @43772 has 13
MA's), (258, 43859), (262, 43868), (303, 43946), (311, 43961), (316, 43973), (337, 44024), (352,
44069), (368, 44108), (388, 44180), (417, 44249), (438, 44285), (458, 44324),

Gene: WheelerS25_60 Start: 42747, Stop: 42172, Start Num: 200

Candidate Starts for WheelerS25_60:

(Start: 200 @42747 has 5 MA's), (243, 42678), (312, 42540), (314, 42531), (320, 42513), (364, 42405),
(370, 42390), (372, 42381), (384, 42336), (388, 42324), (422, 42249), (440, 42219), (454, 42195),

Gene: Wheelie_53 Start: 41299, Stop: 40721, Start Num: 210

Candidate Starts for Wheelie_53:

(88, 41542), (147, 41380), (Start: 210 @41299 has 44 MA's), (271, 41188), (314, 41083), (357, 40978), (372, 40933), (375, 40927), (384, 40888), (389, 40873), (413, 40819), (454, 40744),

Gene: Wilca_61 Start: 42242, Stop: 41679, Start Num: 210

Candidate Starts for Wilca_61:

(Start: 163 @42308 has 10 MA's), (172, 42299), (Start: 210 @42242 has 44 MA's), (320, 42020), (384, 41846), (385, 41843), (388, 41834), (417, 41765), (454, 41702),

Gene: William_77 Start: 47824, Stop: 48414, Start Num: 215

Candidate Starts for William_77:

(31, 47206), (71, 47485), (92, 47560), (Start: 215 @47824 has 51 MA's), (325, 48046), (329, 48058), (332, 48064), (353, 48109), (366, 48145), (368, 48148), (379, 48190), (417, 48316),

Gene: Winchester007_53 Start: 28680, Stop: 29243, Start Num: 214

Candidate Starts for Winchester007_53:

(Start: 214 @28680 has 13 MA's), (222, 28692), (233, 28710), (262, 28773), (287, 28815), (303, 28851), (306, 28854), (326, 28905), (334, 28920), (340, 28932), (351, 28965), (355, 28971), (382, 29061), (384, 29067), (388, 29079), (413, 29133), (429, 29160),

Gene: Windsor_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Windsor_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 231 @3862 has 7 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511),

Gene: Wishmaker_67 Start: 48164, Stop: 48856, Start Num: 163

Candidate Starts for Wishmaker_67:

(67, 47927), (Start: 163 @48164 has 10 MA's), (172, 48173), (Start: 197 @48215 has 49 MA's), (Start: 215 @48245 has 51 MA's), (264, 48326), (297, 48410), (305, 48434), (307, 48443), (321, 48473), (334, 48506), (362, 48572), (375, 48608), (386, 48662), (392, 48686), (394, 48689), (406, 48704), (412, 48731), (417, 48746), (421, 48755), (431, 48773), (437, 48788),

Gene: Wisp_73 Start: 46479, Stop: 47069, Start Num: 215

Candidate Starts for Wisp_73:

(Start: 215 @46479 has 51 MA's), (325, 46701), (329, 46713), (332, 46719), (361, 46782), (366, 46800), (368, 46803), (378, 46842), (379, 46845), (417, 46971), (451, 47043),

Gene: Wizard_61 Start: 47082, Stop: 47684, Start Num: 201

Candidate Starts for Wizard_61:

(Start: 201 @47082 has 161 MA's), (335, 47322), (368, 47400), (372, 47415), (384, 47460), (390, 47481), (421, 47550), (423, 47553), (427, 47559), (437, 47589), (443, 47601), (468, 47667),

Gene: Wocket_74 Start: 46904, Stop: 47488, Start Num: 215

Candidate Starts for Wocket_74:

(Start: 215 @46904 has 51 MA's), (267, 46985), (298, 47057), (321, 47111), (323, 47114), (342, 47153), (349, 47174), (387, 47300), (390, 47312), (400, 47321), (417, 47381),

Gene: Wooper_8 Start: 6372, Stop: 5821, Start Num: 201

Candidate Starts for Wooper_8:

(154, 6432), (Start: 163 @6417 has 10 MA's), (169, 6411), (Start: 201 @6372 has 161 MA's), (Start: 227 @6327 has 4 MA's), (229, 6321), (Start: 288 @6234 has 4 MA's), (299, 6216), (310, 6192), (320, 6165), (321, 6162), (323, 6159), (364, 6060), (388, 5979), (417, 5907), (431, 5886), (456, 5832),

Gene: Xavier_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Xavier_6:

(Start: 195 @3918 has 270 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Xincheng_7 Start: 5906, Stop: 5340, Start Num: 201

Candidate Starts for Xincheng_7:

(125, 6038), (Start: 136 @6020 has 1 MA's), (Start: 162 @5966 has 1 MA's), (168, 5960), (184, 5930), (Start: 201 @5906 has 161 MA's), (236, 5846), (269, 5792), (Start: 288 @5750 has 4 MA's), (323, 5669), (343, 5627), (350, 5603), (359, 5588), (366, 5564), (368, 5561), (384, 5501), (412, 5435), (413, 5432), (417, 5420), (419, 5417), (453, 5363),

Gene: Xkcd426_61 Start: 53906, Stop: 54505, Start Num: 235

Candidate Starts for Xkcd426_61:

(120, 53699), (Start: 235 @53906 has 11 MA's), (238, 53921), (272, 53981), (298, 54056), (302, 54068), (366, 54233), (384, 54296), (404, 54344), (405, 54347), (410, 54368), (417, 54395), (425, 54410), (451, 54467),

Gene: YDN12_59 Start: 47595, Stop: 48179, Start Num: 235

Candidate Starts for YDN12_59:

(165, 47472), (Start: 235 @47595 has 11 MA's), (272, 47646), (280, 47670), (290, 47697), (298, 47721), (305, 47742), (320, 47781), (332, 47814), (350, 47853), (357, 47868), (368, 47898), (384, 47958), (385, 47961), (392, 47988), (404, 48006), (405, 48009), (410, 48030), (417, 48057), (448, 48123),

Gene: Yago84_5 Start: 4720, Stop: 4193, Start Num: 201

Candidate Starts for Yago84_5:

(Start: 201 @4720 has 161 MA's), (260, 4645), (356, 4450), (357, 4447), (364, 4426), (372, 4402), (375, 4396), (384, 4357), (389, 4342), (394, 4324), (413, 4288), (417, 4276), (454, 4213),

Gene: Yahalom_8 Start: 5486, Stop: 4863, Start Num: 155

Candidate Starts for Yahalom_8:

(Start: 155 @5486 has 7 MA's), (Start: 201 @5414 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: YangYin_52 Start: 38427, Stop: 39053, Start Num: 225

Candidate Starts for YangYin_52:

(110, 38211), (225, 38427), (Start: 237 @38466 has 69 MA's), (262, 38514), (303, 38619), (320, 38661), (321, 38664), (365, 38772), (384, 38838), (385, 38841), (387, 38847), (410, 38922), (417, 38949),

Gene: Yeshua_8 Start: 6376, Stop: 5825, Start Num: 201

Candidate Starts for Yeshua_8:

(121, 6502), (127, 6493), (140, 6472), (154, 6436), (Start: 163 @6421 has 10 MA's), (169, 6415), (Start: 201 @6376 has 161 MA's), (Start: 227 @6331 has 4 MA's), (229, 6325), (Start: 288 @6238 has 4 MA's), (299, 6220), (310, 6196), (320, 6169), (321, 6166), (323, 6163), (388, 5983), (417, 5911), (431, 5890), (456, 5836),

Gene: Yinz_8 Start: 5441, Stop: 4863, Start Num: 201

Candidate Starts for Yinz_8:

(Start: 153 @5516 has 4 MA's), (164, 5498), (Start: 201 @5441 has 161 MA's), (Start: 256 @5333 has 1 MA's), (272, 5306), (Start: 288 @5267 has 4 MA's), (306, 5234), (311, 5222), (374, 5069), (384, 5027), (394, 4994), (412, 4961), (439, 4910), (454, 4883),

Gene: YorkOnyx_68 Start: 50153, Stop: 50788, Start Num: 197

Candidate Starts for YorkOnyx_68:

(Start: 197 @50153 has 49 MA's), (284, 50300), (324, 50390), (342, 50429), (345, 50444), (364, 50489), (368, 50498), (384, 50558), (394, 50591), (433, 50690),

Gene: Yoshand_6 Start: 3916, Stop: 3362, Start Num: 195

Candidate Starts for Yoshand_6:

(Start: 195 @3916 has 270 MA's), (Start: 227 @3871 has 4 MA's), (Start: 288 @3766 has 4 MA's), (323, 3691), (339, 3655), (343, 3649), (385, 3520), (388, 3511), (445, 3400),

Gene: YouGoGlencoco_6 Start: 3915, Stop: 3361, Start Num: 195

Candidate Starts for YouGoGlencoco_6:

(Start: 195 @3915 has 270 MA's), (Start: 227 @3870 has 4 MA's), (Start: 231 @3861 has 7 MA's), (Start: 288 @3765 has 4 MA's), (323, 3690), (339, 3654), (343, 3648), (385, 3519), (388, 3510), (445, 3399),

Gene: YungMoney_63 Start: 49207, Stop: 49806, Start Num: 201

Candidate Starts for YungMoney_63:

(Start: 201 @49207 has 161 MA's), (372, 49537), (384, 49582), (411, 49639), (421, 49672), (427, 49681), (437, 49711), (443, 49723), (459, 49759), (468, 49789),

Gene: Zagie_54 Start: 41639, Stop: 41064, Start Num: 200

Candidate Starts for Zagie_54:

(Start: 200 @41639 has 5 MA's), (243, 41570), (312, 41432), (314, 41423), (320, 41405), (364, 41297), (370, 41282), (372, 41273), (384, 41228), (422, 41141), (440, 41111), (454, 41087),

Gene: Zaider_7 Start: 4148, Stop: 3594, Start Num: 195

Candidate Starts for Zaider_7:

(Start: 195 @4148 has 270 MA's), (Start: 216 @4118 has 6 MA's), (Start: 227 @4103 has 4 MA's), (Start: 288 @3998 has 4 MA's), (323, 3923), (339, 3887), (343, 3881), (385, 3752), (388, 3743), (445, 3632),

Gene: Zarbodnamra_79 Start: 46838, Stop: 47428, Start Num: 215

Candidate Starts for Zarbodnamra_79:

(77, 46565), (86, 46586), (Start: 215 @46838 has 51 MA's), (325, 47060), (329, 47072), (332, 47078), (353, 47123), (361, 47141), (368, 47162), (379, 47204), (417, 47330), (451, 47402),

Gene: Zelda_6 Start: 3918, Stop: 3364, Start Num: 195

Candidate Starts for Zelda_6:

(Start: 195 @3918 has 270 MA's), (Start: 216 @3888 has 6 MA's), (Start: 227 @3873 has 4 MA's), (Start: 288 @3768 has 4 MA's), (323, 3693), (339, 3657), (343, 3651), (385, 3522), (388, 3513), (445, 3402),

Gene: Zemanar_8 Start: 6294, Stop: 5680, Start Num: 171

Candidate Starts for Zemanar_8:

(Start: 162 @6303 has 1 MA's), (Start: 171 @6294 has 4 MA's), (Start: 193 @6252 has 3 MA's), (Start: 201 @6243 has 161 MA's), (Start: 288 @6087 has 4 MA's), (295, 6075), (320, 6015), (339, 5973), (343, 5967), (345, 5955), (362, 5916), (366, 5904), (384, 5841), (394, 5808), (412, 5775), (413, 5772), (417, 5760), (419, 5757), (443, 5724), (453, 5703),

Gene: Zenteno07_11 Start: 5106, Stop: 4525, Start Num: 195

Candidate Starts for Zenteno07_11:

(Start: 182 @5127 has 2 MA's), (190, 5115), (Start: 195 @5106 has 270 MA's), (261, 4998), (269, 4983), (Start: 288 @4941 has 4 MA's), (323, 4863), (343, 4821), (350, 4797), (384, 4686), (385, 4683), (443, 4569), (454, 4545),

Gene: Zhafia_56 Start: 41779, Stop: 41201, Start Num: 210

Candidate Starts for Zhafia_56:

(88, 42022), (147, 41860), (Start: 210 @41779 has 44 MA's), (271, 41668), (314, 41563), (357, 41458), (372, 41413), (375, 41407), (384, 41368), (389, 41353), (413, 41299), (454, 41224),

Gene: ZiggyZoo_76 Start: 48324, Stop: 48914, Start Num: 215

Candidate Starts for ZiggyZoo_76:

(Start: 215 @48324 has 51 MA's), (325, 48546), (329, 48558), (332, 48564), (353, 48609), (361, 48627), (366, 48645), (368, 48648), (378, 48687), (379, 48690), (417, 48816),

Gene: Zilla_73 Start: 45688, Stop: 46278, Start Num: 215

Candidate Starts for Zilla_73:

(77, 45415), (86, 45436), (Start: 215 @45688 has 51 MA's), (320, 45895), (325, 45910), (329, 45922), (332, 45928), (353, 45973), (368, 46012), (378, 46051), (379, 46054), (417, 46180), (451, 46252),

Gene: Zipp_67 Start: 51011, Stop: 51658, Start Num: 199

Candidate Starts for Zipp_67:

(113, 50849), (116, 50855), (122, 50873), (170, 50960), (Start: 199 @51011 has 21 MA's), (242, 51089), (265, 51131), (269, 51137), (277, 51152), (301, 51203), (342, 51305), (345, 51320), (370, 51380), (372, 51389), (388, 51455), (390, 51464), (428, 51542), (443, 51569), (471, 51647),

Gene: Zitch_68 Start: 49247, Stop: 49894, Start Num: 198

Candidate Starts for Zitch_68:

(Start: 198 @49247 has 2 MA's), (242, 49325), (265, 49367), (269, 49373), (301, 49439), (342, 49541), (345, 49556), (370, 49616), (372, 49625), (388, 49691), (390, 49700), (428, 49778), (443, 49805), (471, 49883),

Gene: ZoMa_49 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for ZoMa_49:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Zombie_50 Start: 36914, Stop: 37504, Start Num: 237

Candidate Starts for Zombie_50:

(17, 36242), (18, 36245), (61, 36536), (99, 36665), (129, 36737), (202, 36860), (218, 36881), (222, 36887), (Start: 237 @36914 has 69 MA's), (262, 36962), (300, 37058), (308, 37085), (319, 37106), (321, 37112), (329, 37136), (366, 37223), (376, 37253), (384, 37286), (387, 37295), (399, 37334), (410, 37373), (417, 37400), (450, 37469),

Gene: Zonia_6 Start: 3914, Stop: 3360, Start Num: 195

Candidate Starts for Zonia_6:

(Start: 195 @3914 has 270 MA's), (Start: 227 @3869 has 4 MA's), (Start: 231 @3860 has 7 MA's), (Start: 288 @3764 has 4 MA's), (323, 3689), (339, 3653), (343, 3647), (385, 3518), (388, 3509), (445, 3398),

Gene: pZL12_4c Start: 3305, Stop: 2700, Start Num: 178

Candidate Starts for pZL12_4c:

(178, 3305), (294, 3113), (415, 2810), (443, 2768),

Gene: phiAsp2_46 Start: 36920, Stop: 37414, Start Num: 258

Candidate Starts for phiAsp2_46:

(105, 36587), (135, 36665), (140, 36671), (169, 36728), (258, 36920), (262, 36929), (273, 36947),
(313, 37043), (315, 37052), (331, 37094), (338, 37109), (345, 37133), (383, 37250), (417, 37328),
(434, 37355), (453, 37385), (454, 37388), (461, 37403),